

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
 Data File : FE050958.D
 Signal(s) : FID1B.ch
 Acq On : 31 Oct 2024 23:06
 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 11/04/2024
 Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
 Quant Time: Nov 01 03:45:01 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)	11.852	2954655	18.741 ug/mlm
Spiked Amount 50.000		Recovery =	37.48%
12) S 1-chlorooctadecane (S...	13.286	2257703	19.086 ug/ml
Spiked Amount 50.000		Recovery =	38.17%
Target Compounds			
1) T n-Nonane (C9)	3.241	2581126	18.268 ug/ml
2) T n-Decane (C10)	4.492	2669090	18.603 ug/ml
3) T A~Naphthalene (C11.7)	6.204	2565172	17.939 ug/ml
4) T n-Dodecane (C12)	6.659	2690505	18.693 ug/ml
5) T A~2-methylnaphthalene...	7.300	2368135	17.875 ug/ml
6) T n-Tetradecane (C14)	8.485	2670952	18.669 ug/ml
7) T n-Hexadecane (C16)	10.091	2771114	18.829 ug/ml
8) T n-Octadecane (C18)	11.532	2815893	18.852 ug/ml
10) T n-Eicosane (C20)	12.840	2717036	18.947 ug/ml
11) T n-Heneicosane (C21)	13.451	2659499	18.938 ug/ml
13) T n-Docosane (C22)	14.036	2667978	19.017 ug/mlm
14) T n-Tetracosane (C24)	15.137	2695552	19.080 ug/mlm
15) T n-Hexacosane (C26)	16.156	2737567	19.454 ug/mlm
16) T n-Octacosane (C28)	17.106	2915087	19.921 ug/ml
17) T n-Tricontane (C30)	17.993	3343558	21.028 ug/ml
18) T n-Dotriacontane (C32)	18.825	3501970	21.602 ug/ml
19) T n-Tetratriacontane (C34)	19.607	3119785	21.239 ug/ml
20) T n-Hexatriacontane (C36)	20.346	2653226	20.922 ug/ml
21) T n-Octatriacontane (C38)	21.070	2309463	18.678 ug/ml
22) T n-Tetracontane (C40)	21.951	1977002	17.755 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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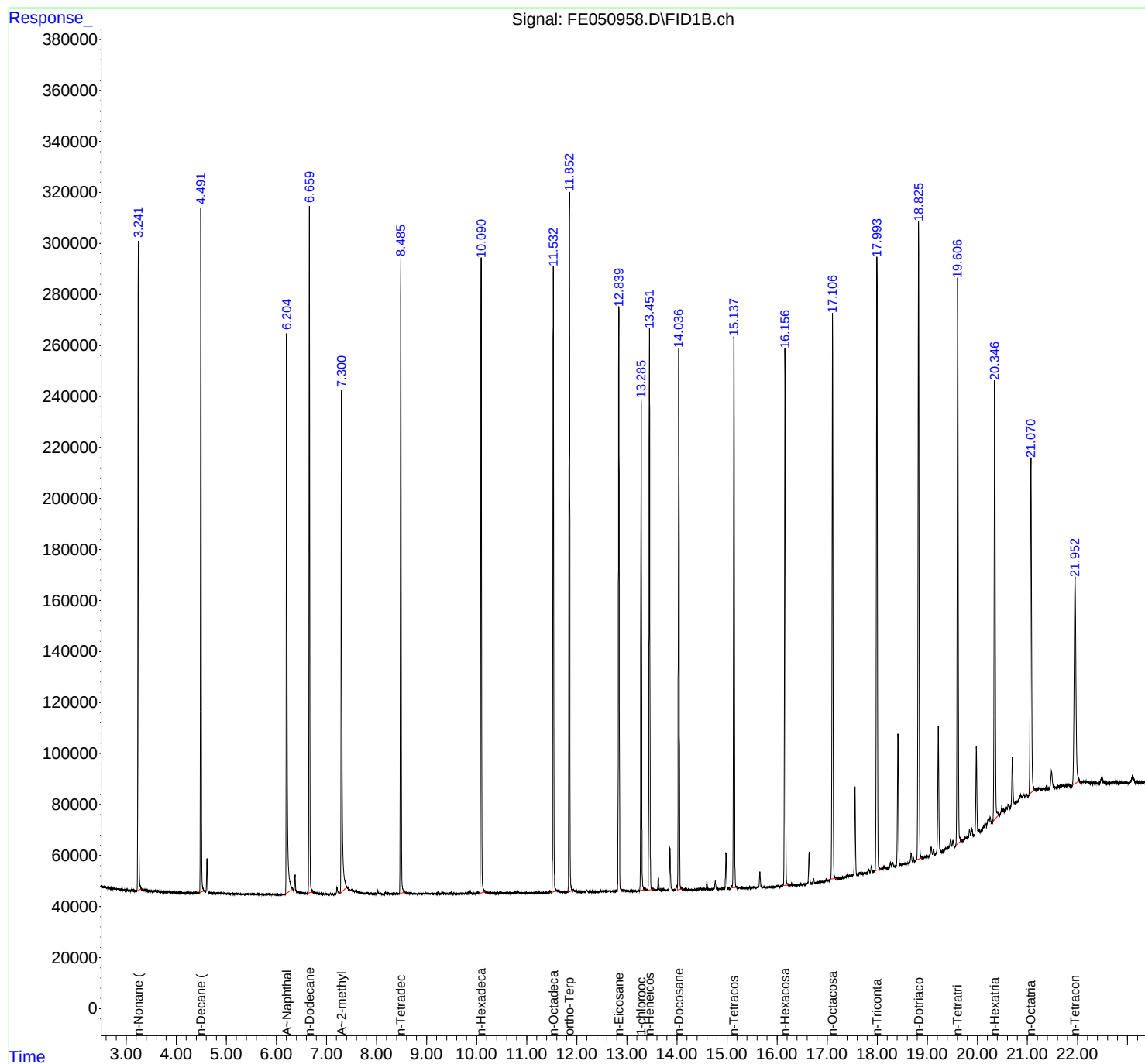
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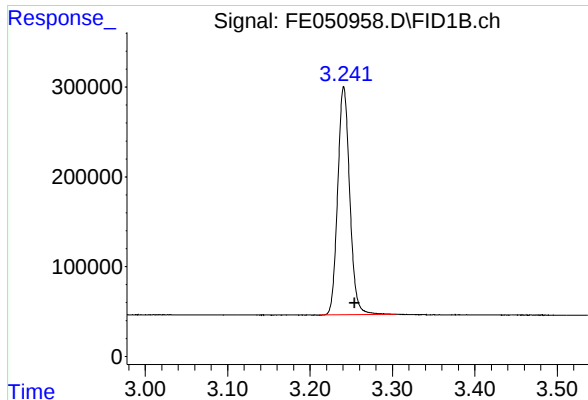
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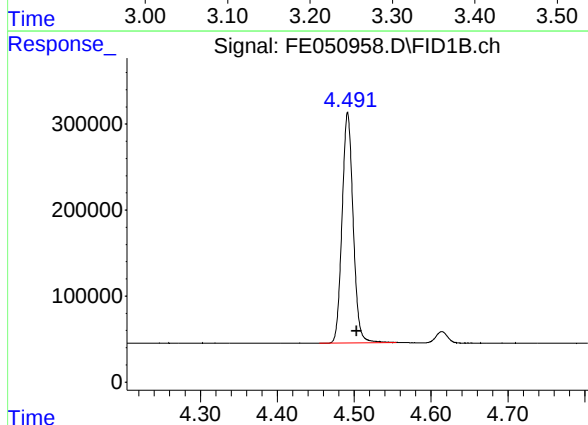
#1 n-Nonane (C9)

R.T.: 3.241 min
Delta R.T.: -0.013 min
Response: 2581126
Conc: 18.27 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

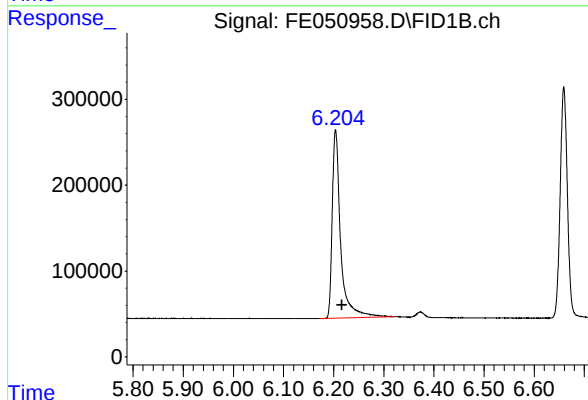
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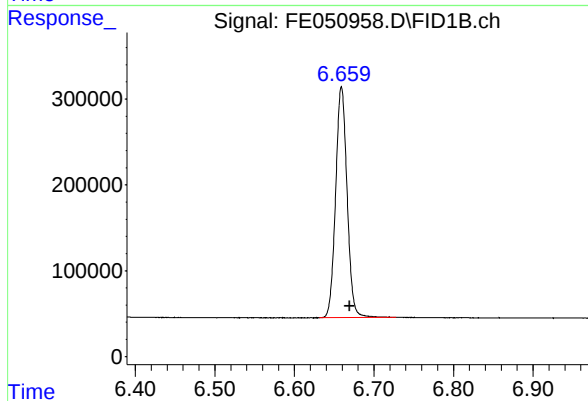
#2 n-Decane (C10)

R.T.: 4.492 min
Delta R.T.: -0.011 min
Response: 2669090
Conc: 18.60 ug/ml



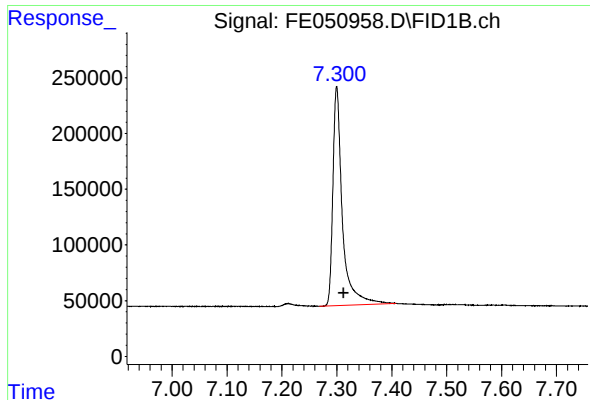
#3 A~Naphthalene (C11.7)

R.T.: 6.204 min
Delta R.T.: -0.012 min
Response: 2565172
Conc: 17.94 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.659 min
Delta R.T.: -0.011 min
Response: 2690505
Conc: 18.69 ug/ml



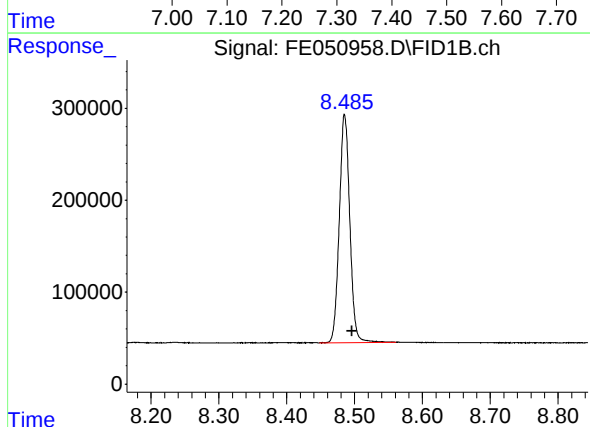
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.300 min
Delta R.T.: -0.013 min
Response: 2368135
Conc: 17.88 ug/ml

Instrument :
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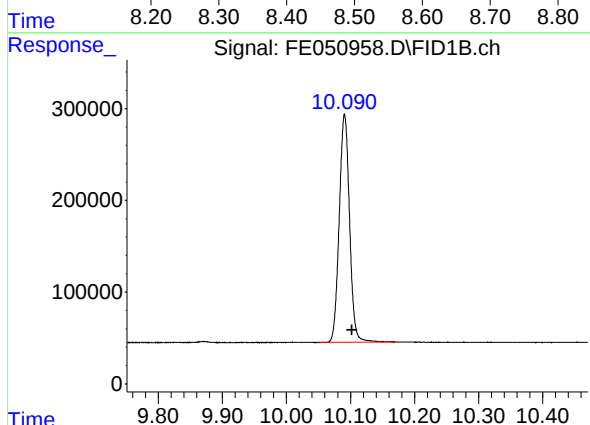
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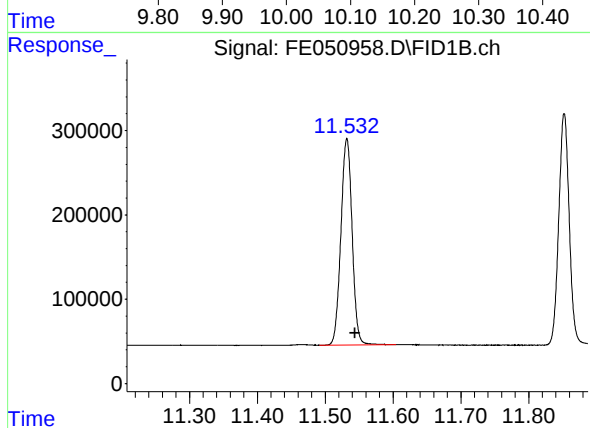
#6 n-Tetradecane (C14)

R.T.: 8.485 min
Delta R.T.: -0.011 min
Response: 2670952
Conc: 18.67 ug/ml



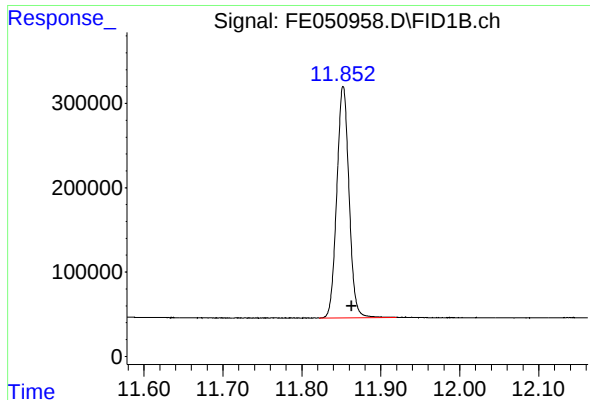
#7 n-Hexadecane (C16)

R.T.: 10.091 min
Delta R.T.: -0.011 min
Response: 2771114
Conc: 18.83 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.532 min
Delta R.T.: -0.012 min
Response: 2815893
Conc: 18.85 ug/ml



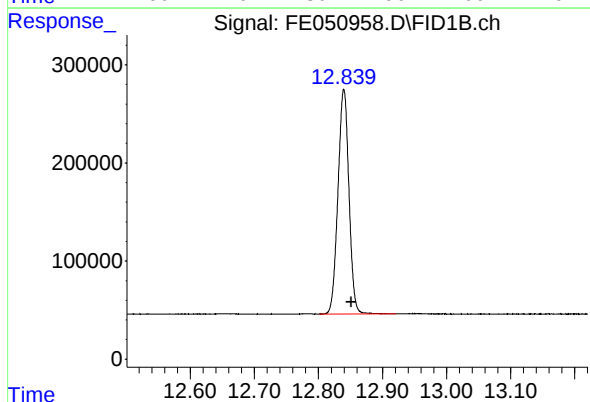
#9 ortho-Terphenyl (SURR)

R.T.: 11.852 min
Delta R.T.: -0.011 min
Response: 2954655
Conc: 18.74 ug/ml

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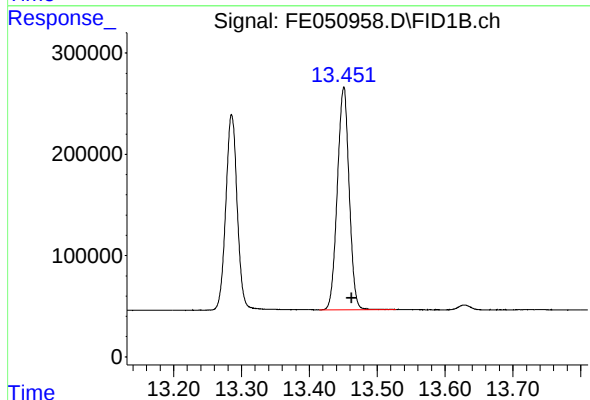
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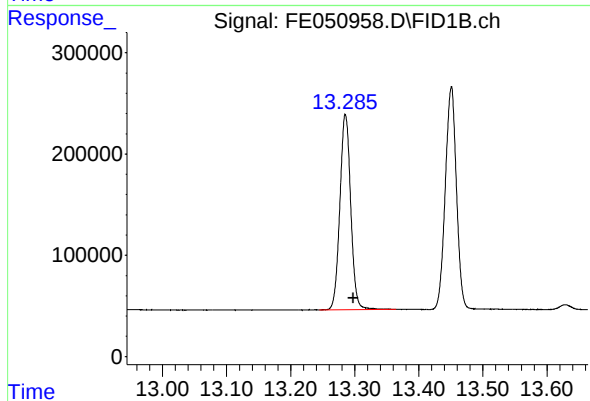
#10 n-Eicosane (C20)

R.T.: 12.840 min
Delta R.T.: -0.012 min
Response: 2717036
Conc: 18.95 ug/ml



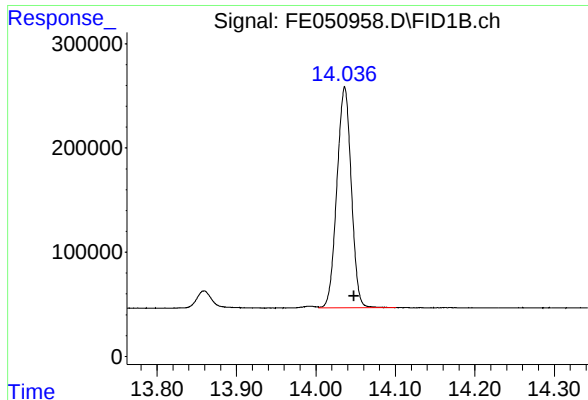
#11 n-Heneicosane (C21)

R.T.: 13.451 min
Delta R.T.: -0.012 min
Response: 2659499
Conc: 18.94 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.286 min
Delta R.T.: -0.012 min
Response: 2257703
Conc: 19.09 ug/ml



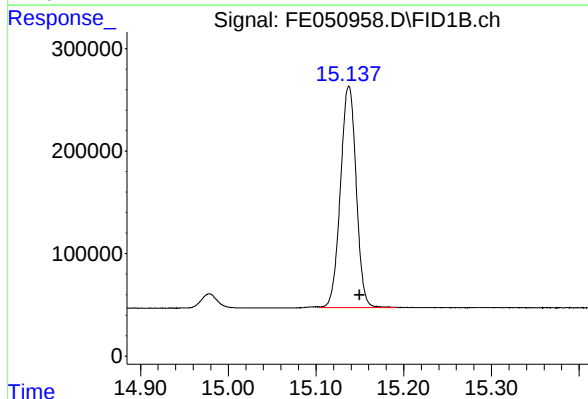
#13 n-Docosane (C22)

R.T.: 14.036 min
Delta R.T.: -0.012 min
Response: 2667978
Conc: 19.02 ug/ml

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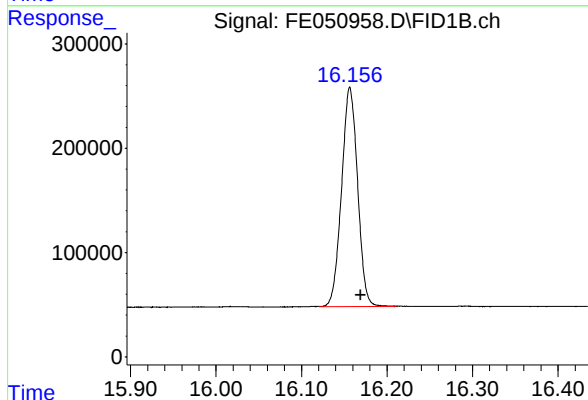
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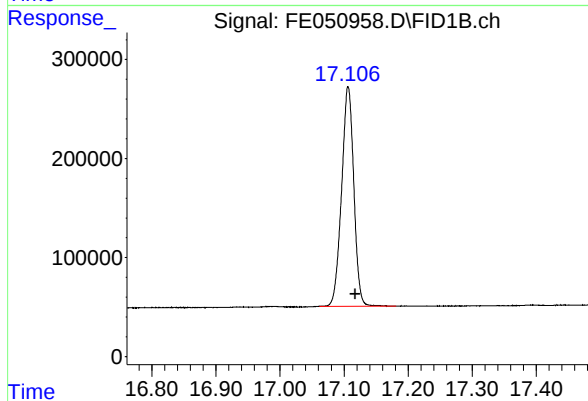
#14 n-Tetracosane (C24)

R.T.: 15.137 min
Delta R.T.: -0.013 min
Response: 2695552
Conc: 19.08 ug/ml m



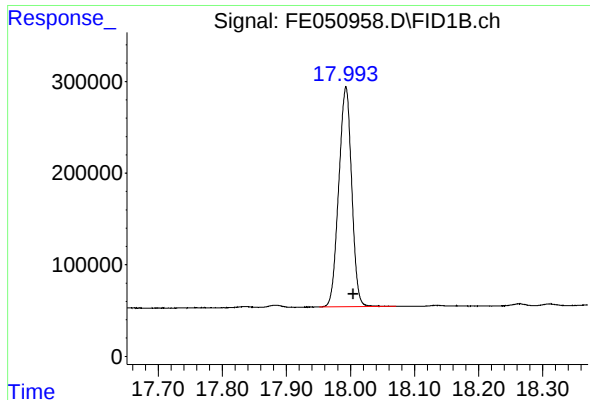
#15 n-Hexacosane (C26)

R.T.: 16.156 min
Delta R.T.: -0.013 min
Response: 2737567
Conc: 19.45 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.106 min
Delta R.T.: -0.011 min
Response: 2915087
Conc: 19.92 ug/ml



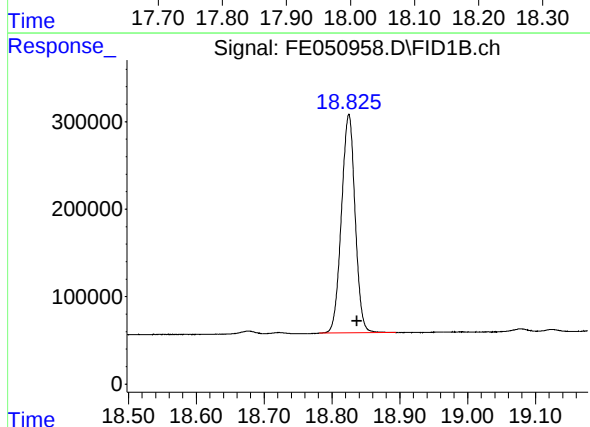
#17 n-Tricontane (C30)

R.T.: 17.993 min
Delta R.T.: -0.011 min
Response: 3343558
Conc: 21.03 ug/ml

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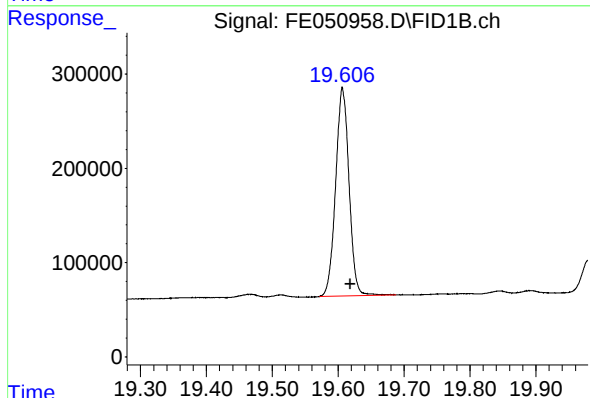
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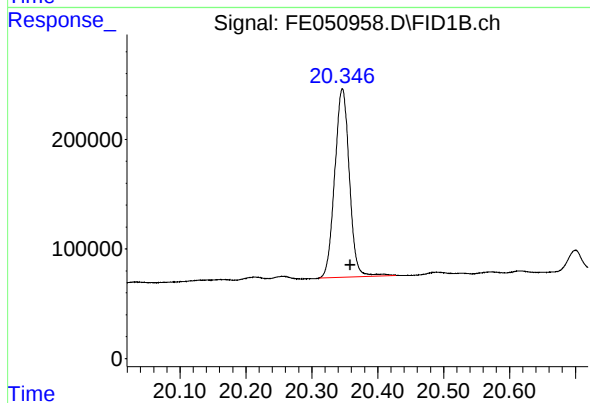
#18 n-Dotriacontane (C32)

R.T.: 18.825 min
Delta R.T.: -0.012 min
Response: 3501970
Conc: 21.60 ug/ml



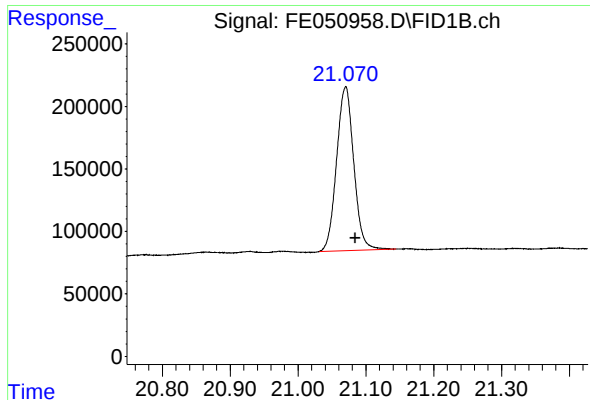
#19 n-Tetratriacontane (C34)

R.T.: 19.607 min
Delta R.T.: -0.012 min
Response: 3119785
Conc: 21.24 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.346 min
Delta R.T.: -0.012 min
Response: 2653226
Conc: 20.92 ug/ml



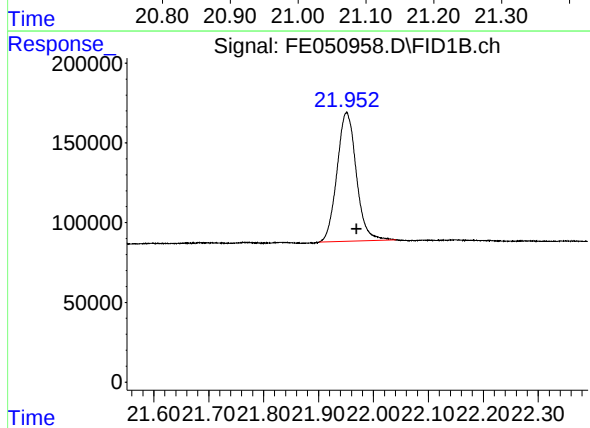
#21 n-Octatriacontane (C38)

R.T.: 21.070 min
Delta R.T.: -0.014 min
Response: 2309463
Conc: 18.68 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.951 min
Delta R.T.: -0.018 min
Response: 1977002
Conc: 17.75 ug/ml