

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100124AL\
 Data File : FE050449.D
 Signal(s) : FID1B.ch
 Acq On : 01 Oct 2024 12:25
 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 10/02/2024
 Supervised By :Ankita Jodhani 10/02/2024

Integration File: sample.E
 Quant Time: Oct 02 01:06:46 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)	11.864	2442334	16.416 ug/ml
Spiked Amount 50.000		Recovery =	32.83%
12) S 1-chlorooctadecane (S...	13.298	1842676	16.405 ug/ml
Spiked Amount 50.000		Recovery =	32.81%
Target Compounds			
1) T n-Nonane (C9)	3.253	2138945	15.780 ug/ml
2) T n-Decane (C10)	4.503	2246850	16.280 ug/ml
3) T A~Naphthalene (C11.7)	6.214	2259127	16.140 ug/ml
4) T n-Dodecane (C12)	6.670	2256151	16.315 ug/mlm
5) T A~2-methylnaphthalene...	7.310	2108626	16.043 ug/ml
6) T n-Tetradecane (C14)	8.497	2240731	16.455 ug/ml
7) T n-Hexadecane (C16)	10.104	2328514	16.764 ug/ml
8) T n-Octadecane (C18)	11.545	2369197	16.911 ug/ml
10) T n-Eicosane (C20)	12.852	2263337	16.872 ug/mlm
11) T n-Heneicosane (C21)	13.463	2227050	16.949 ug/ml
13) T n-Docosane (C22)	14.048	2246604	17.253 ug/ml
14) T n-Tetracosane (C24)	15.150	2269265	17.377 ug/ml
15) T n-Hexacosane (C26)	16.171	2262912	17.687 ug/mlm
16) T n-Octacosane (C28)	17.119	2392437	18.574 ug/ml
17) T n-Tricontane (C30)	18.006	2660379	19.895 ug/ml
18) T n-Dotriacontane (C32)	18.837	2738684	20.552 ug/ml
19) T n-Tetratriacontane (C34)	19.619	2664603	21.565 ug/ml
20) T n-Hexatriacontane (C36)	20.358	2574364	23.203 ug/ml
21) T n-Octatriacontane (C38)	21.083	2454763	22.259 ug/mlm
22) T n-Tetracontane (C40)	21.969	2061086	18.941 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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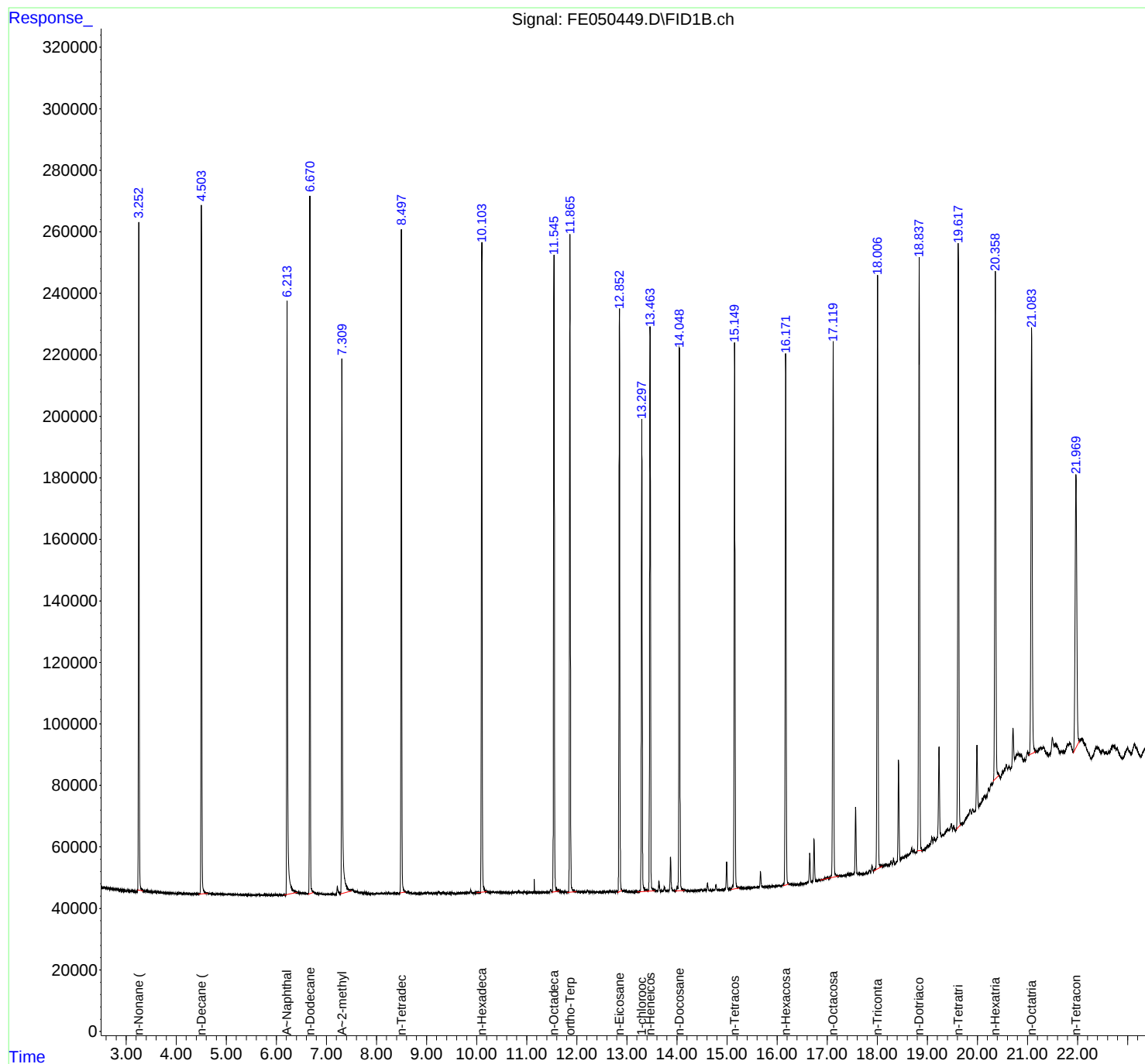
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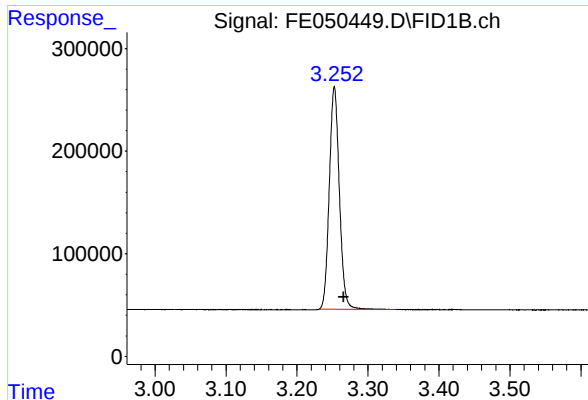
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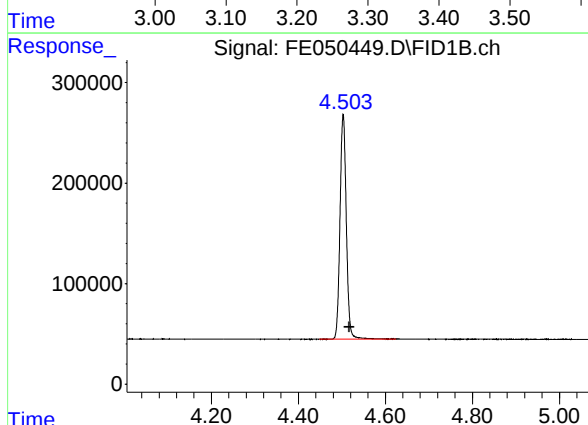
#1 n-Nonane (C9)

R.T.: 3.253 min
Delta R.T.: -0.013 min
Response: 2138945
Conc: 15.78 ug/ml

Instrument : FID_E
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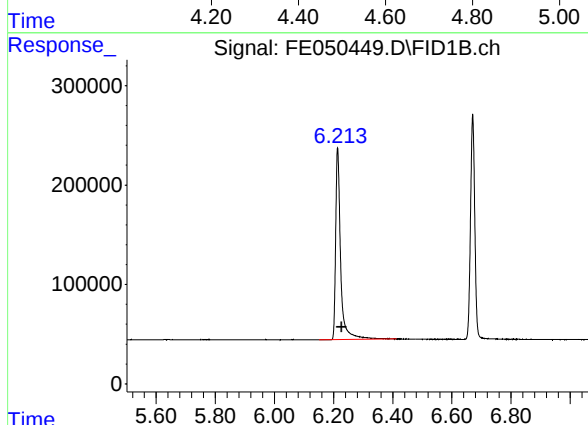
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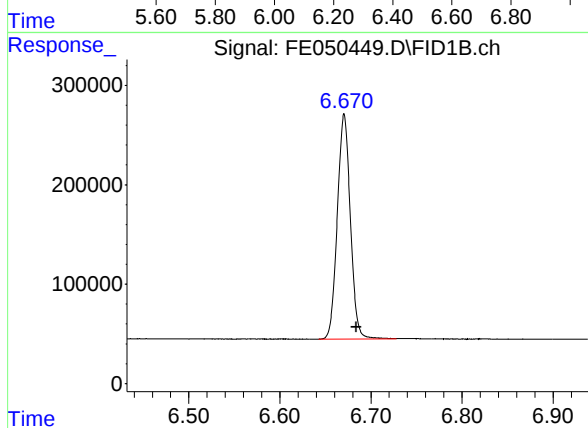
#2 n-Decane (C10)

R.T.: 4.503 min
Delta R.T.: -0.013 min
Response: 2246850
Conc: 16.28 ug/ml



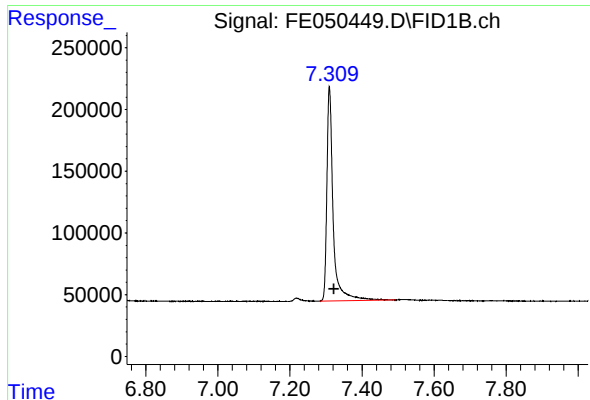
#3 A~Naphthalene (C11.7)

R.T.: 6.214 min
Delta R.T.: -0.013 min
Response: 2259127
Conc: 16.14 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.670 min
Delta R.T.: -0.014 min
Response: 2256151
Conc: 16.32 ug/ml m



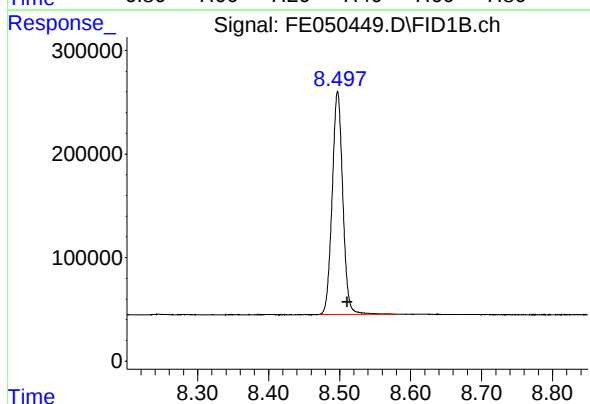
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.310 min
Delta R.T.: -0.013 min
Response: 2108626
Conc: 16.04 ug/ml

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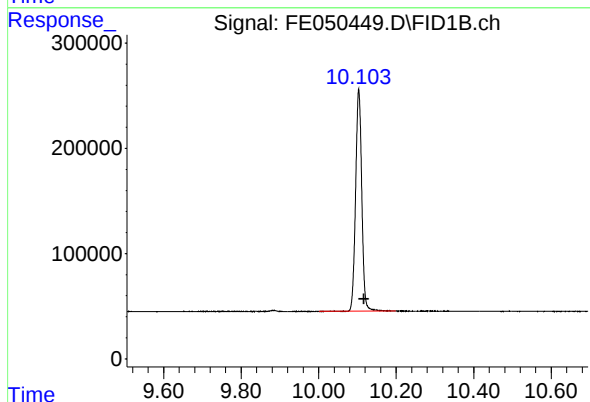
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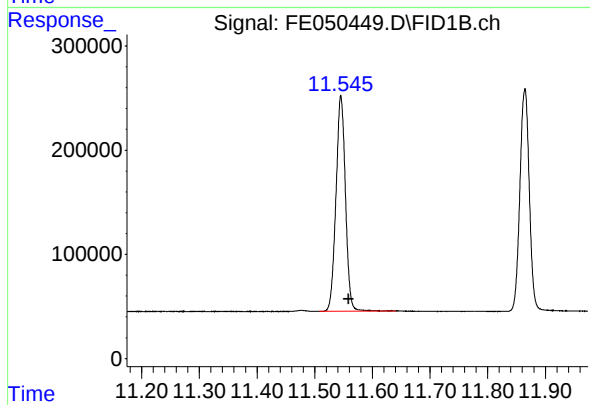
#6 n-Tetradecane (C14)

R.T.: 8.497 min
Delta R.T.: -0.013 min
Response: 2240731
Conc: 16.46 ug/ml



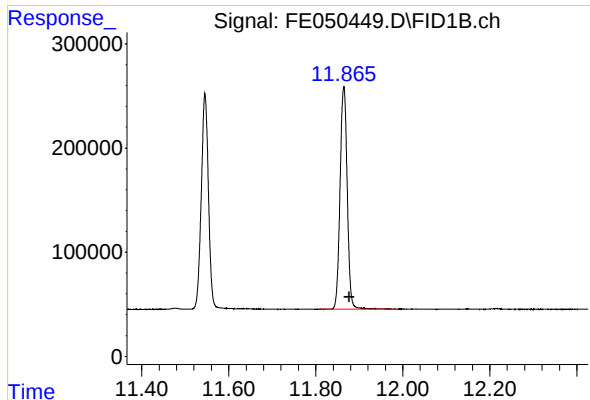
#7 n-Hexadecane (C16)

R.T.: 10.104 min
Delta R.T.: -0.013 min
Response: 2328514
Conc: 16.76 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.545 min
Delta R.T.: -0.013 min
Response: 2369197
Conc: 16.91 ug/ml



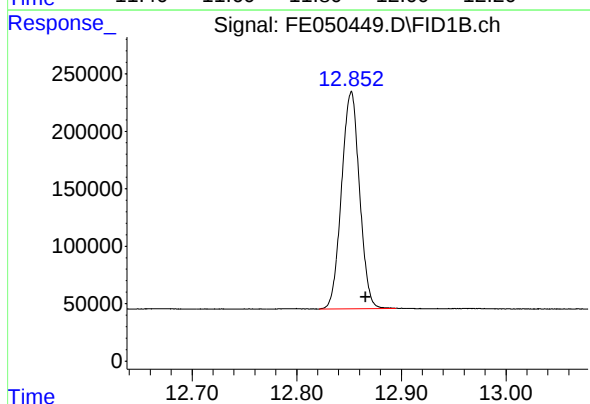
#9 ortho-Terphenyl (SURR)

R.T.: 11.864 min
Delta R.T.: -0.012 min
Response: 2442334
Conc: 16.42 ug/ml

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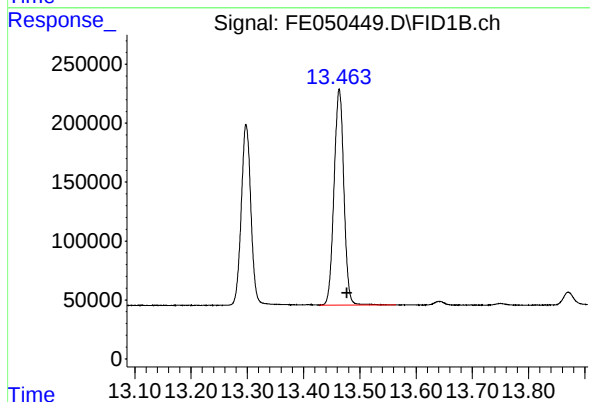
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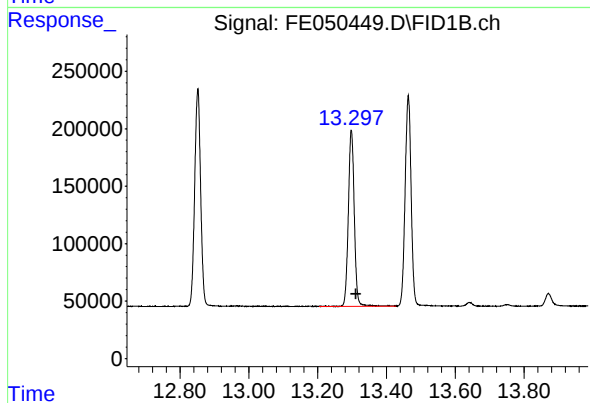
#10 n-Eicosane (C20)

R.T.: 12.852 min
Delta R.T.: -0.014 min
Response: 2263337
Conc: 16.87 ug/ml m



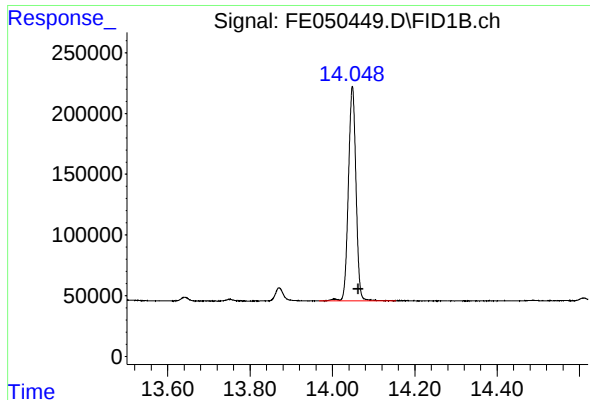
#11 n-Heneicosane (C21)

R.T.: 13.463 min
Delta R.T.: -0.014 min
Response: 2227050
Conc: 16.95 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.298 min
Delta R.T.: -0.013 min
Response: 1842676
Conc: 16.40 ug/ml



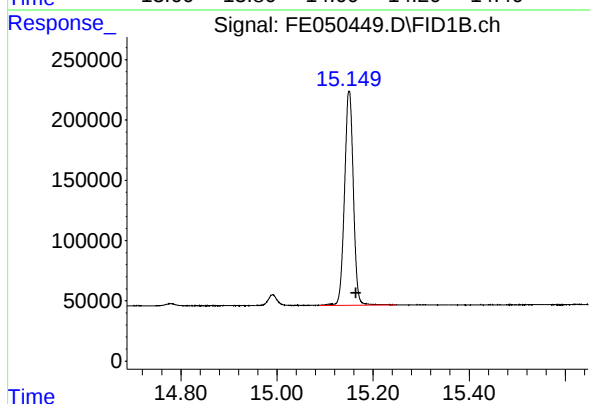
#13 n-Docosane (C22)

R.T.: 14.048 min
Delta R.T.: -0.015 min
Response: 2246604
Conc: 17.25 ug/ml

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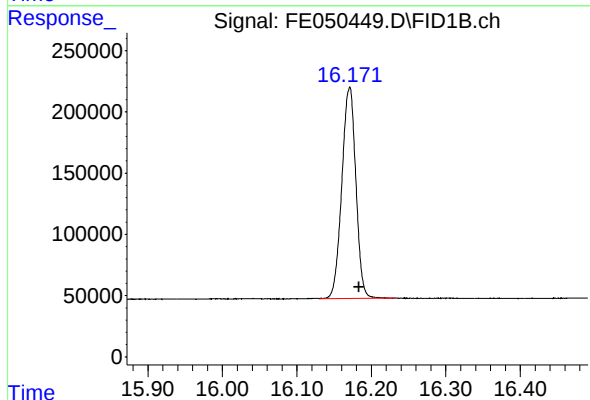
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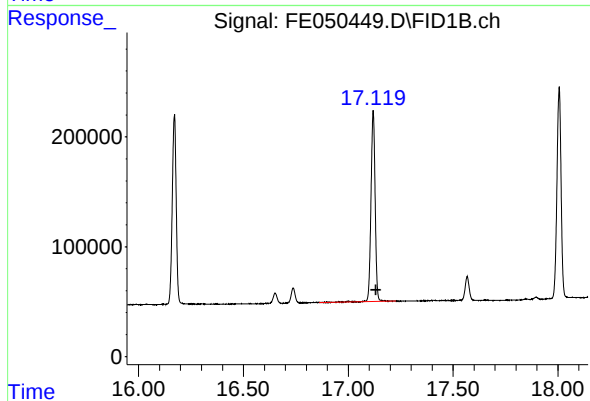
#14 n-Tetracosane (C24)

R.T.: 15.150 min
Delta R.T.: -0.014 min
Response: 2269265
Conc: 17.38 ug/ml



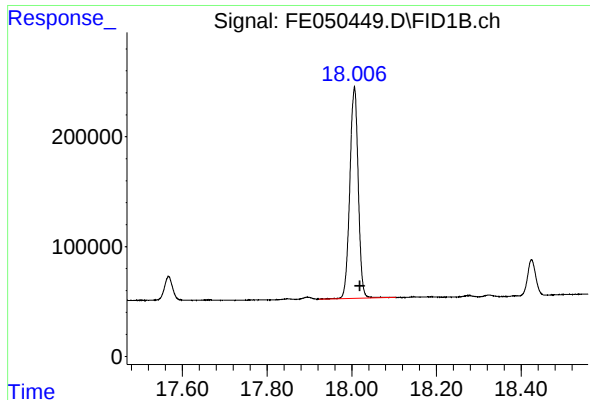
#15 n-Hexacosane (C26)

R.T.: 16.171 min
Delta R.T.: -0.013 min
Response: 2262912
Conc: 17.69 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.119 min
Delta R.T.: -0.014 min
Response: 2392437
Conc: 18.57 ug/ml



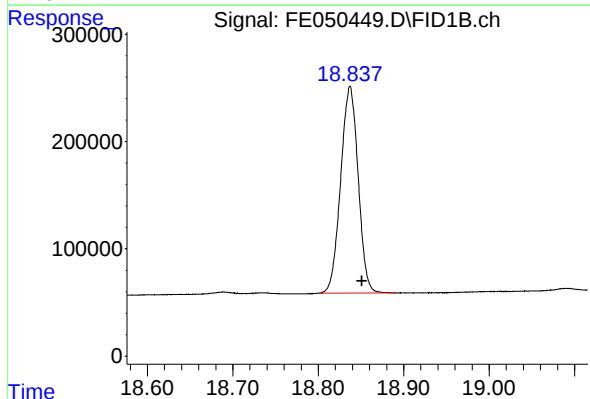
#17 n-Tricontane (C30)

R.T.: 18.006 min
Delta R.T.: -0.014 min
Response: 2660379
Conc: 19.89 ug/ml

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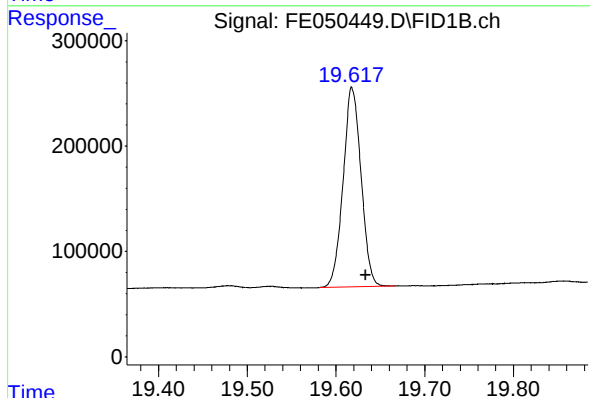
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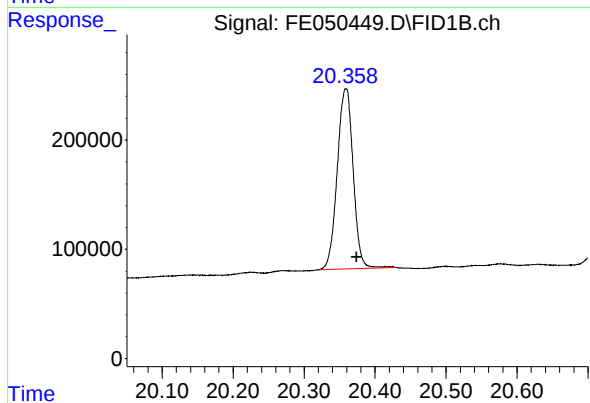
#18 n-Dotriacontane (C32)

R.T.: 18.837 min
Delta R.T.: -0.014 min
Response: 2738684
Conc: 20.55 ug/ml



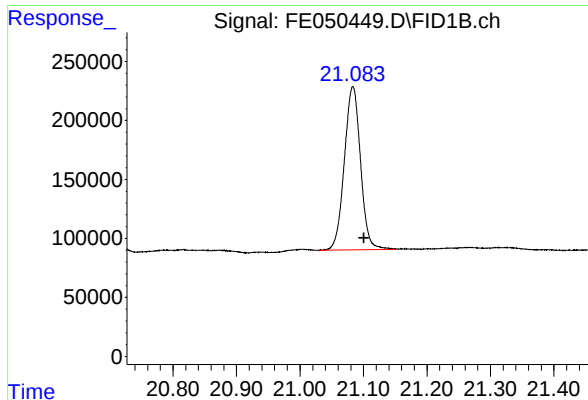
#19 n-Tetratriacontane (C34)

R.T.: 19.619 min
Delta R.T.: -0.015 min
Response: 2664603
Conc: 21.57 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.358 min
Delta R.T.: -0.015 min
Response: 2574364
Conc: 23.20 ug/ml



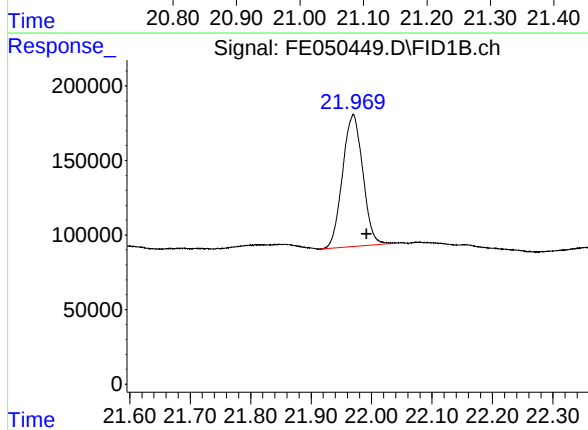
#21 n-Octatriacontane (C38)

R.T.: 21.083 min
Delta R.T.: -0.018 min
Response: 2454763
Conc: 22.26 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.969 min
Delta R.T.: -0.023 min
Response: 2061086
Conc: 18.94 ug/ml m