

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101824AL\
 Data File : FE050734.D
 Signal(s) : FID1B.ch
 Acq On : 18 Oct 2024 13:14
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/18/2024
 Supervised By :Ankita Jodhani 10/18/2024

Integration File: autoint1.e
 Quant Time: Oct 18 14:34:24 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)	11.864	3388560	21.493 ug/ml
Spiked Amount 50.000		Recovery =	42.99%
12) S 1-chlorooctadecane (S...	13.298	2584490	21.848 ug/ml
Spiked Amount 50.000		Recovery =	43.70%
Target Compounds			
1) T n-Nonane (C9)	3.251	3105420	21.979 ug/ml
2) T n-Decane (C10)	4.502	3208408	22.362 ug/ml
3) T A~Naphthalene (C11.7)	6.214	3215814	22.490 ug/ml
4) T n-Dodecane (C12)	6.670	3217705	22.355 ug/ml
5) T A~2-methylnaphthalene...	7.310	2989309	22.564 ug/ml
6) T n-Tetradecane (C14)	8.496	3176491	22.203 ug/ml
7) T n-Hexadecane (C16)	10.102	3243538	22.039 ug/ml
8) T n-Octadecane (C18)	11.544	3240935	21.697 ug/ml
10) T n-Eicosane (C20)	12.851	3089088	21.542 ug/ml
11) T n-Heneicosane (C21)	13.463	3006720	21.410 ug/ml
13) T n-Docosane (C22)	14.048	3006566	21.430 ug/ml
14) T n-Tetracosane (C24)	15.150	3008728	21.297 ug/ml
15) T n-Hexacosane (C26)	16.170	3010817	21.396 ug/ml
16) T n-Octacosane (C28)	17.119	2987220	20.414 ug/ml
17) T n-Tricontane (C30)	18.006	3188463	20.053 ug/ml
18) T n-Dotriacontane (C32)	18.837	3246158	20.024 ug/ml
19) T n-Tetratriacontane (C34)	19.620	3005310	20.459 ug/ml
20) T n-Hexatriacontane (C36)	20.359	2622344	20.679 ug/ml
21) T n-Octatriacontane (C38)	21.085	2346249	18.975 ug/ml
22) T n-Tetracontane (C40)	21.973	2038171	18.304 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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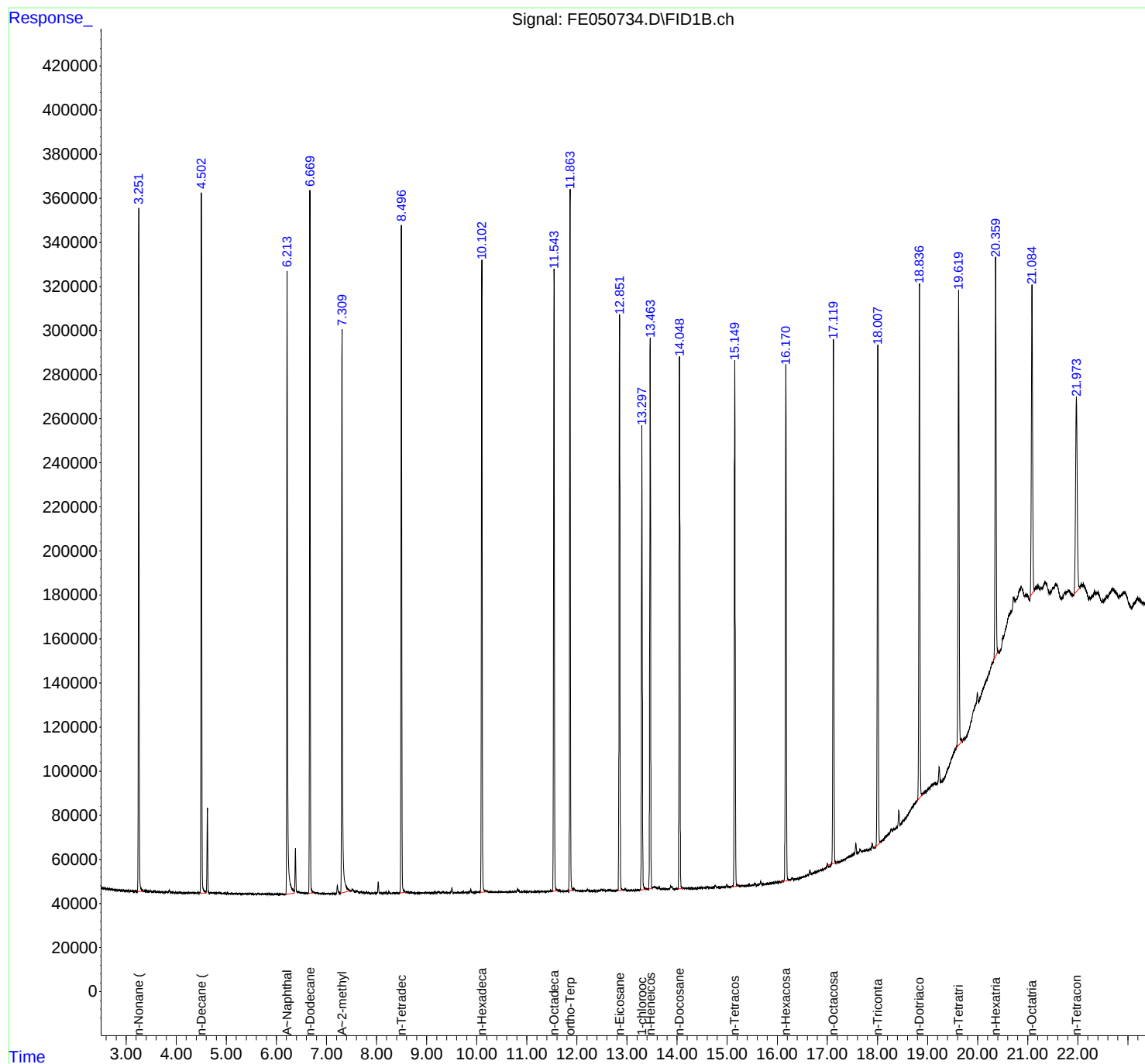
Instrument :
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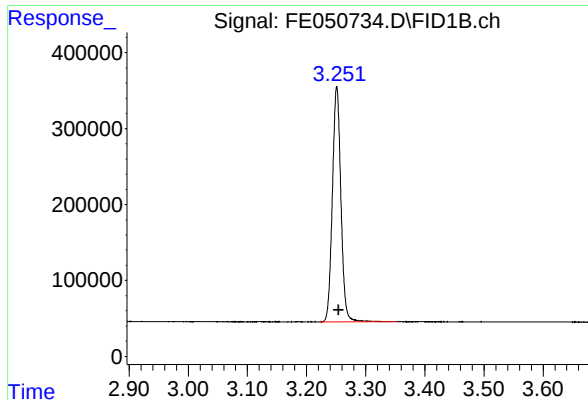
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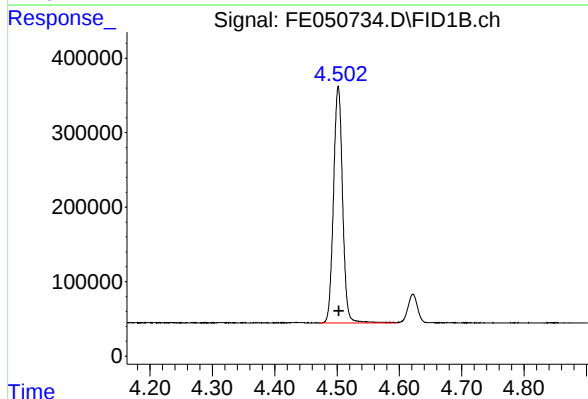
#1 n-Nonane (C9)

R.T.: 3.251 min
Delta R.T.: -0.003 min
Response: 3105420
Conc: 21.98 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

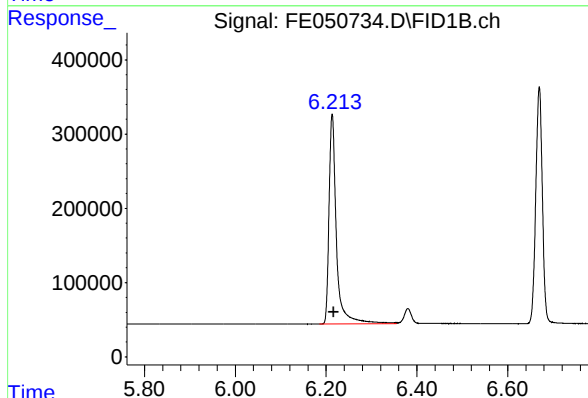
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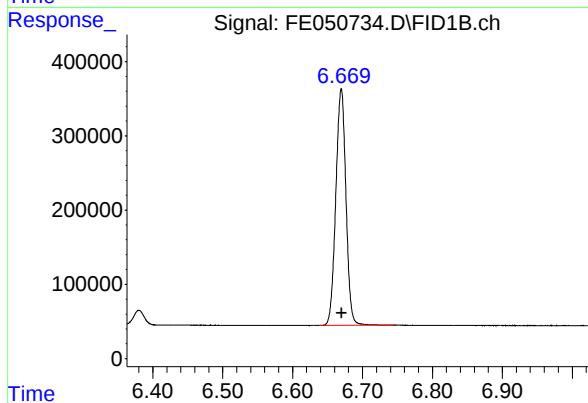
#2 n-Decane (C10)

R.T.: 4.502 min
Delta R.T.: -0.001 min
Response: 3208408
Conc: 22.36 ug/ml



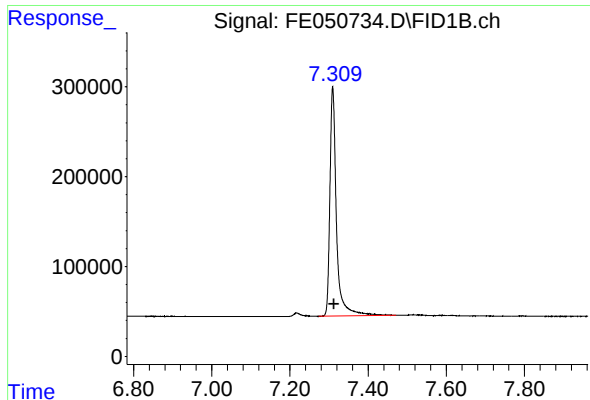
#3 A~Naphthalene (C11.7)

R.T.: 6.214 min
Delta R.T.: -0.003 min
Response: 3215814
Conc: 22.49 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.670 min
Delta R.T.: 0.000 min
Response: 3217705
Conc: 22.36 ug/ml



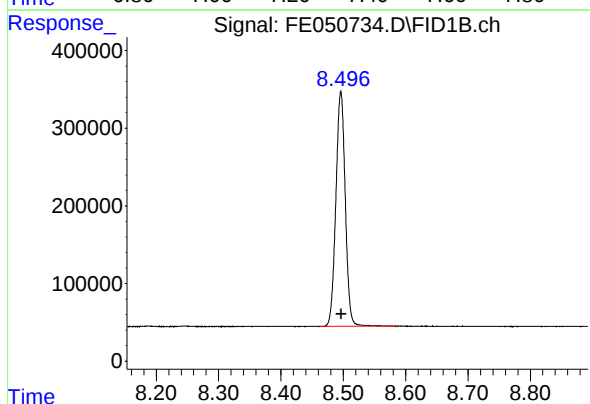
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.310 min
Delta R.T.: -0.003 min
Response: 2989309
Conc: 22.56 ug/ml

Instrument :
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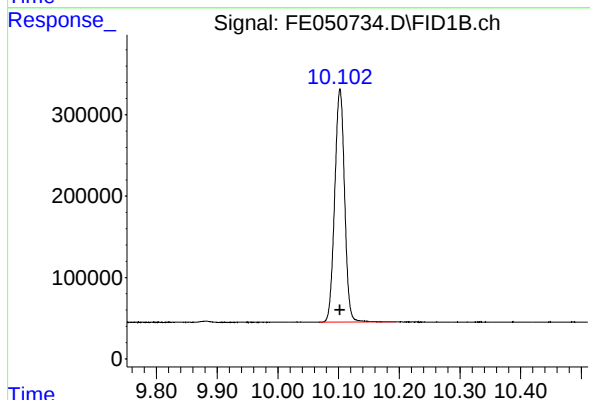
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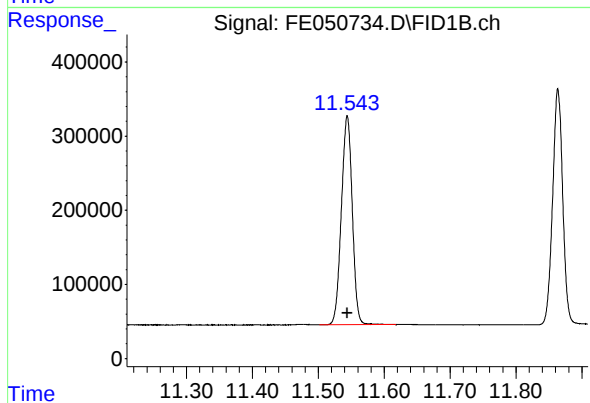
#6 n-Tetradecane (C14)

R.T.: 8.496 min
Delta R.T.: 0.000 min
Response: 3176491
Conc: 22.20 ug/ml



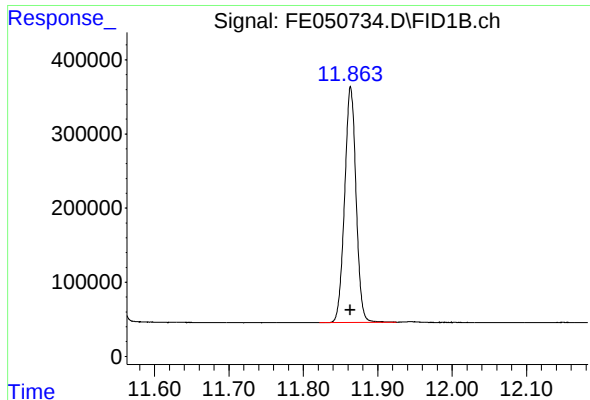
#7 n-Hexadecane (C16)

R.T.: 10.102 min
Delta R.T.: 0.000 min
Response: 3243538
Conc: 22.04 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.544 min
Delta R.T.: 0.000 min
Response: 3240935
Conc: 21.70 ug/ml



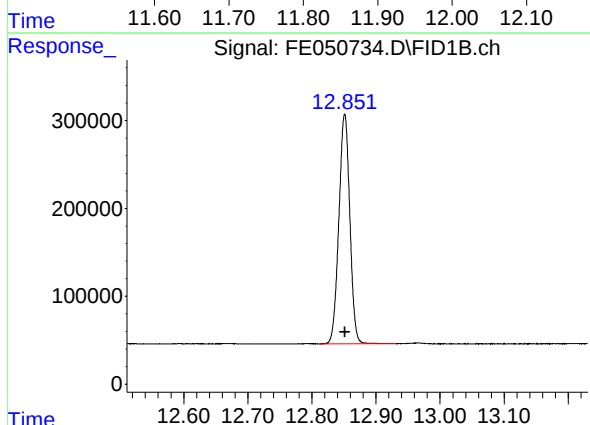
#9 ortho-Terphenyl (SURR)

R.T.: 11.864 min
Delta R.T.: 0.000 min
Response: 3388560
Conc: 21.49 ug/ml

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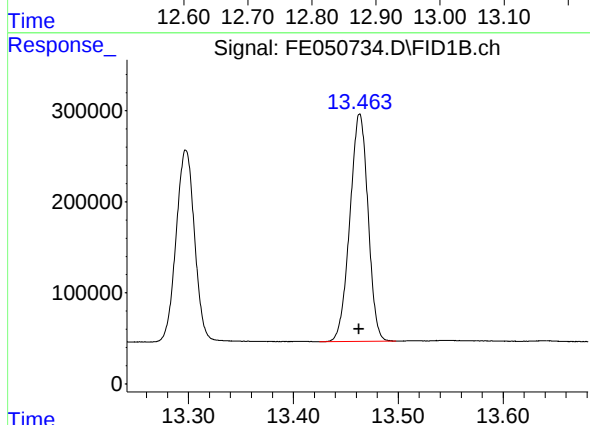
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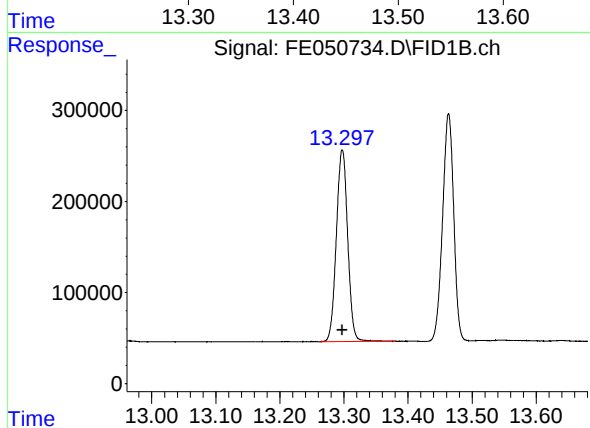
#10 n-Eicosane (C20)

R.T.: 12.851 min
Delta R.T.: 0.000 min
Response: 3089088
Conc: 21.54 ug/ml



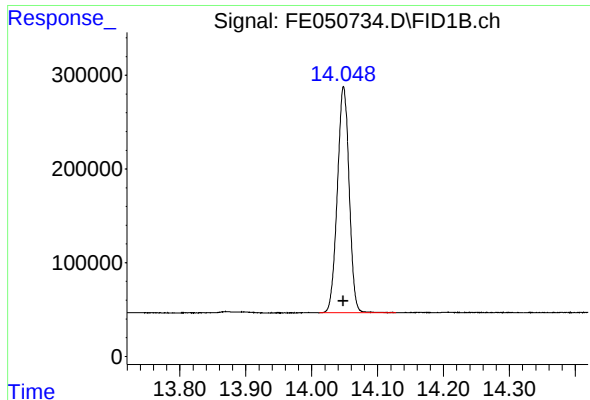
#11 n-Heneicosane (C21)

R.T.: 13.463 min
Delta R.T.: 0.000 min
Response: 3006720
Conc: 21.41 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.298 min
Delta R.T.: 0.000 min
Response: 2584490
Conc: 21.85 ug/ml



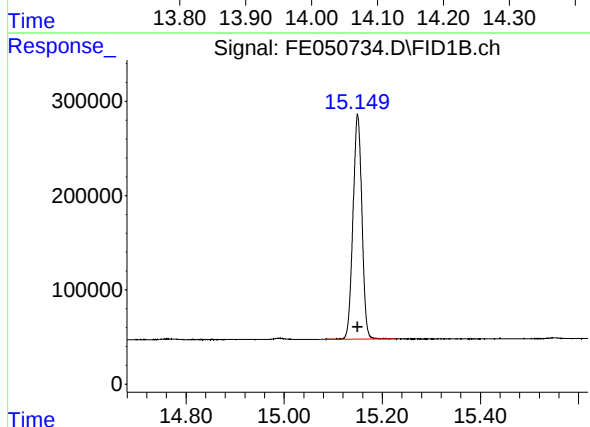
#13 n-Docosane (C22)

R.T.: 14.048 min
Delta R.T.: 0.000 min
Response: 3006566
Conc: 21.43 ug/ml

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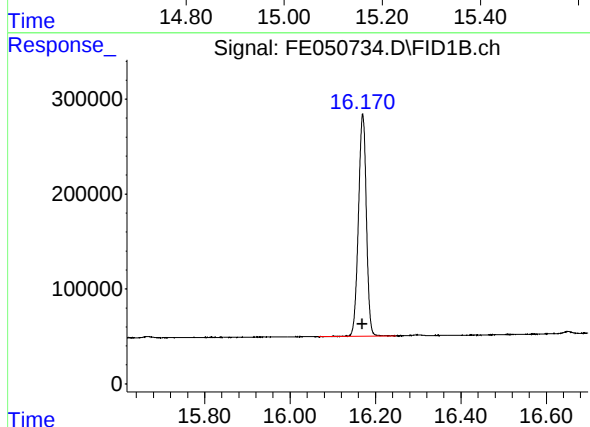
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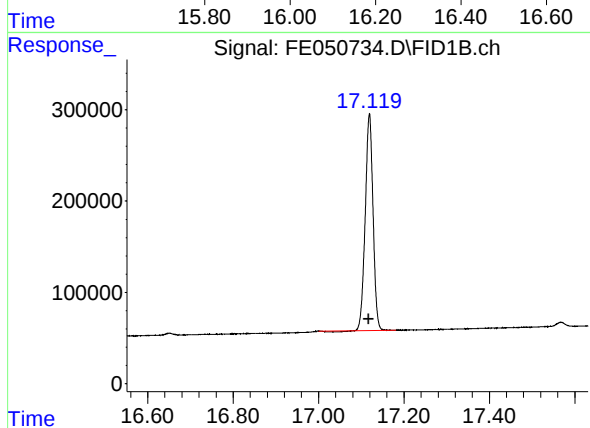
#14 n-Tetracosane (C24)

R.T.: 15.150 min
Delta R.T.: 0.000 min
Response: 3008728
Conc: 21.30 ug/ml



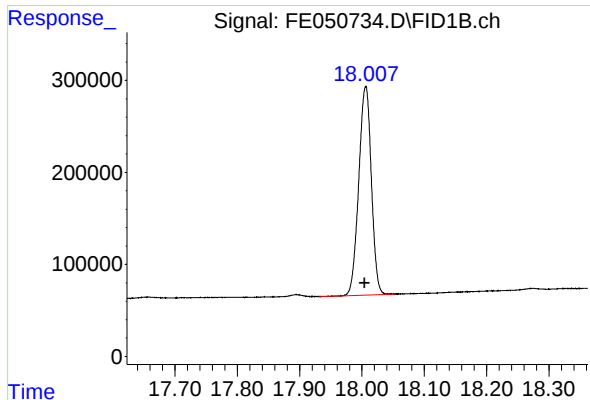
#15 n-Hexacosane (C26)

R.T.: 16.170 min
Delta R.T.: 0.000 min
Response: 3010817
Conc: 21.40 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.119 min
Delta R.T.: 0.002 min
Response: 2987220
Conc: 20.41 ug/ml



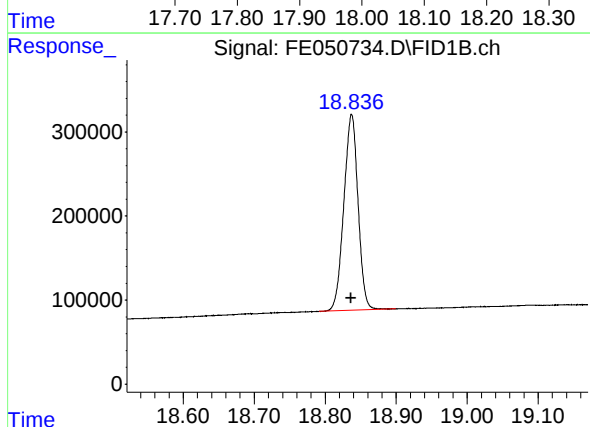
#17 n-Tricontane (C30)

R.T.: 18.006 min
Delta R.T.: 0.002 min
Response: 3188463
Conc: 20.05 ug/ml

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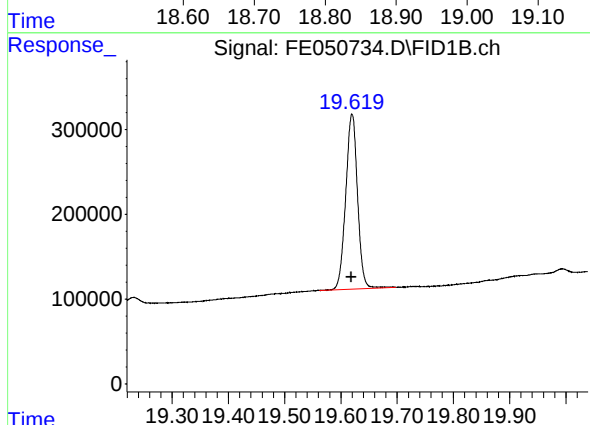
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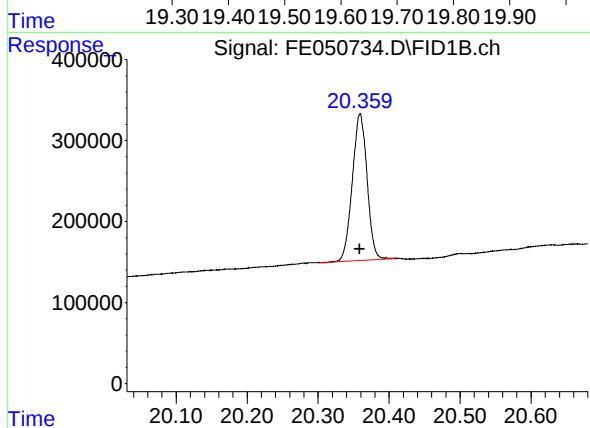
#18 n-Dotriacontane (C32)

R.T.: 18.837 min
Delta R.T.: 0.000 min
Response: 3246158
Conc: 20.02 ug/ml



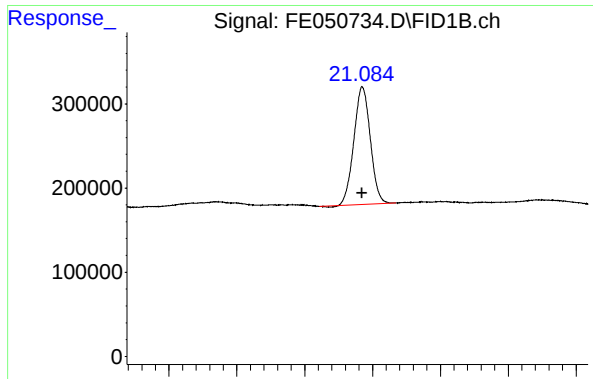
#19 n-Tetratriacontane (C34)

R.T.: 19.620 min
Delta R.T.: 0.001 min
Response: 3005310
Conc: 20.46 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.359 min
Delta R.T.: 0.000 min
Response: 2622344
Conc: 20.68 ug/ml



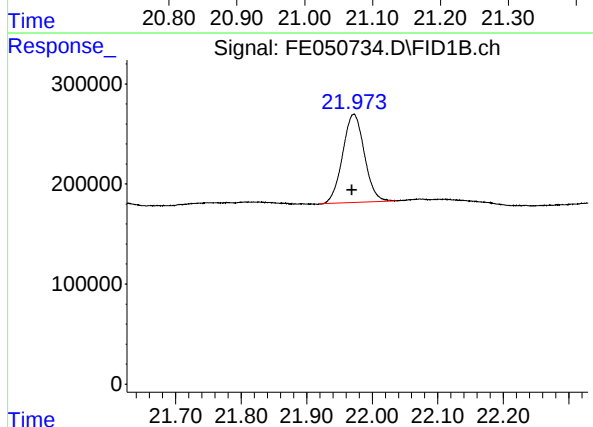
#21 n-Octatriacontane (C38)

R.T.: 21.085 min
Delta R.T.: 0.000 min
Response: 2346249
Conc: 18.98 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.973 min
Delta R.T.: 0.004 min
Response: 2038171
Conc: 18.30 ug/ml m