

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110124AL\
 Data File : FE050961.D
 Signal(s) : FID1B.ch
 Acq On : 01 Nov 2024 10:53
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 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: sample.E
 Quant Time: Nov 04 03:09:15 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	2861508	18.150 ug/ml
Spiked Amount 50.000		Recovery =	36.30%
12) S 1-chlorooctadecane (S...	13.287	2229352	18.846 ug/ml
Spiked Amount 50.000		Recovery =	37.69%
Target Compounds			
1) T n-Nonane (C9)	3.243	2524364	17.866 ug/ml
2) T n-Decane (C10)	4.493	2620069	18.261 ug/ml
3) T A~Naphthalene (C11.7)	6.205	2496970	17.462 ug/ml
4) T n-Dodecane (C12)	6.661	2653037	18.432 ug/ml
5) T A~2-methylnaphthalene...	7.301	2329709	17.585 ug/ml
6) T n-Tetradecane (C14)	8.487	2645376	18.490 ug/ml
7) T n-Hexadecane (C16)	10.093	2753458	18.709 ug/ml
8) T n-Octadecane (C18)	11.534	2804852	18.778 ug/ml
10) T n-Eicosane (C20)	12.841	2720066	18.968 ug/ml
11) T n-Heneicosane (C21)	13.452	2646619	18.846 ug/ml
13) T n-Docosane (C22)	14.038	2740858	19.536 ug/ml
14) T n-Tetracosane (C24)	15.140	2912508	20.616 ug/mlm
15) T n-Hexacosane (C26)	16.159	3057018	21.725 ug/mlm
16) T n-Octacosane (C28)	17.108	3322605	22.706 ug/ml
17) T n-Tricontane (C30)	17.995	3695477	23.242 ug/ml
18) T n-Dotriacontane (C32)	18.825	3753998	23.157 ug/ml
19) T n-Tetratriacontane (C34)	19.607	3254391	22.155 ug/ml
20) T n-Hexatriacontane (C36)	20.347	2731852	21.542 ug/ml
21) T n-Octatriacontane (C38)	21.069	2281180	18.449 ug/ml
22) T n-Tetracontane (C40)	21.951	1920853	17.251 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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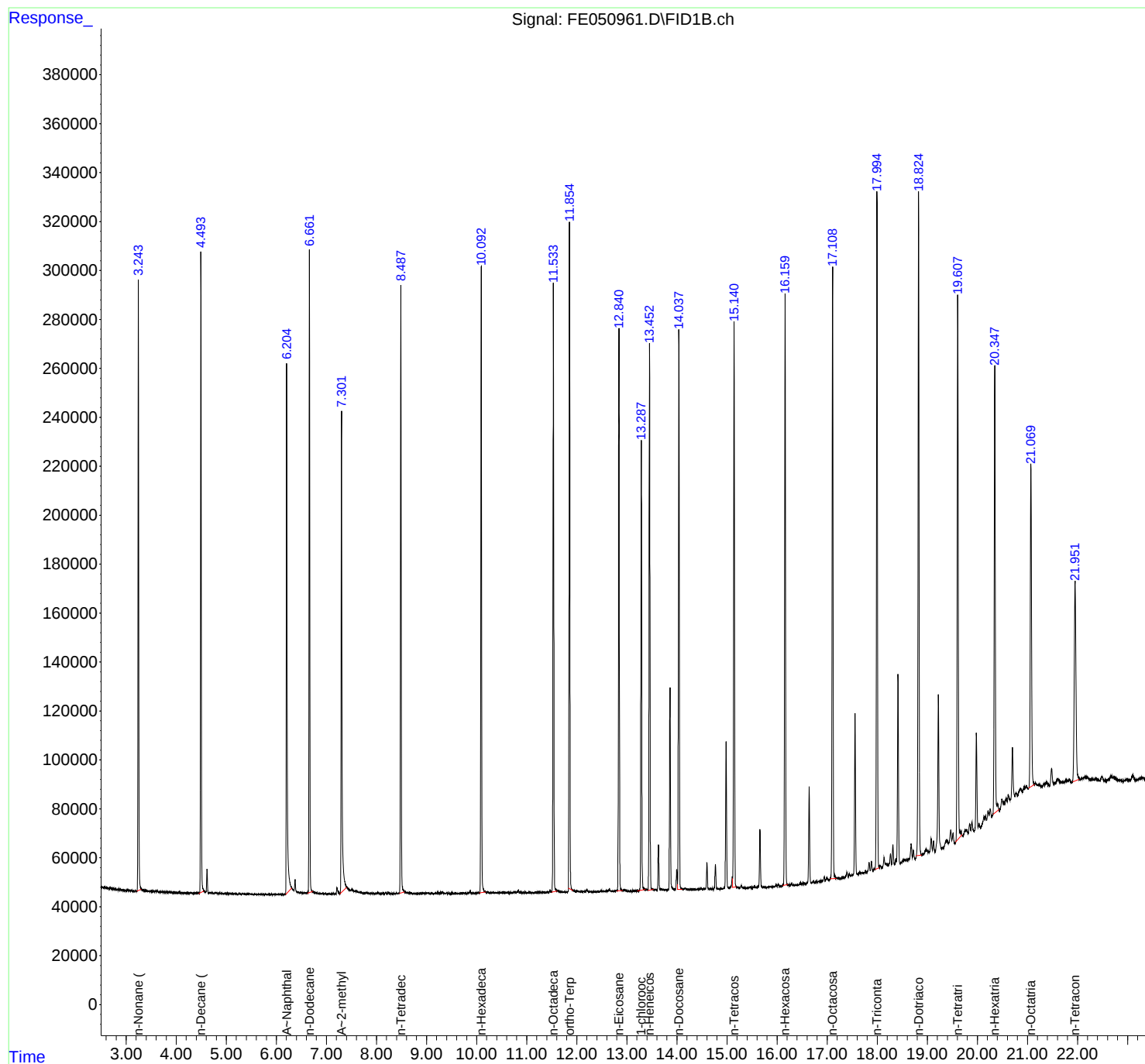
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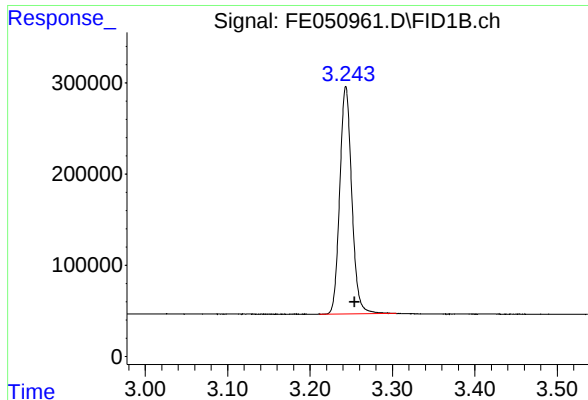
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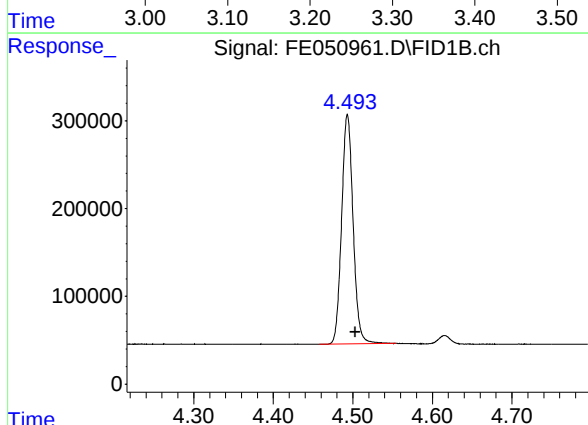
#1 n-Nonane (C9)

R.T.: 3.243 min
Delta R.T.: -0.011 min
Response: 2524364
Conc: 17.87 ug/ml

Instrument :
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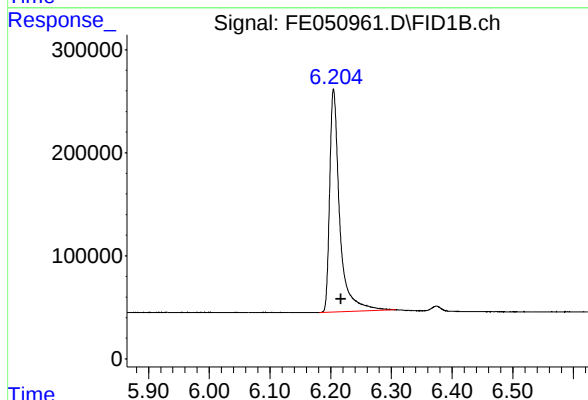
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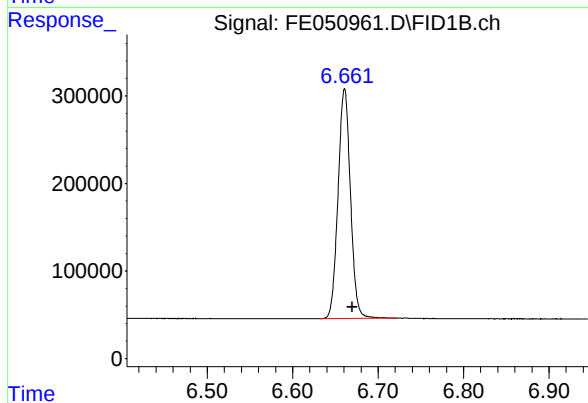
#2 n-Decane (C10)

R.T.: 4.493 min
Delta R.T.: -0.010 min
Response: 2620069
Conc: 18.26 ug/ml



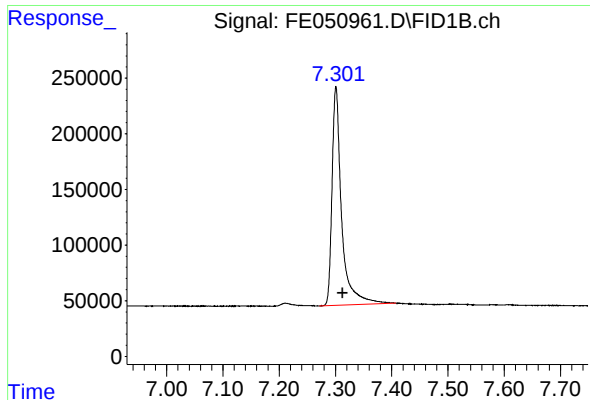
#3 A~Naphthalene (C11.7)

R.T.: 6.205 min
Delta R.T.: -0.011 min
Response: 2496970
Conc: 17.46 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.661 min
Delta R.T.: -0.009 min
Response: 2653037
Conc: 18.43 ug/ml



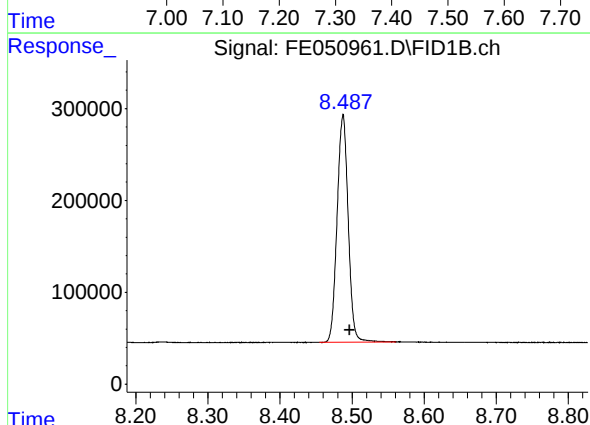
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.301 min
Delta R.T.: -0.012 min
Response: 2329709
Conc: 17.59 ug/ml

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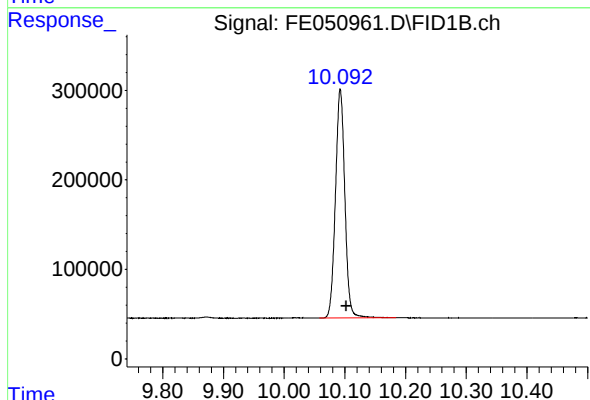
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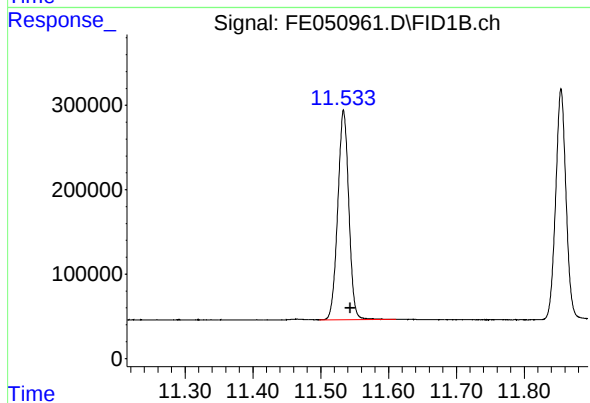
#6 n-Tetradecane (C14)

R.T.: 8.487 min
Delta R.T.: -0.009 min
Response: 2645376
Conc: 18.49 ug/ml



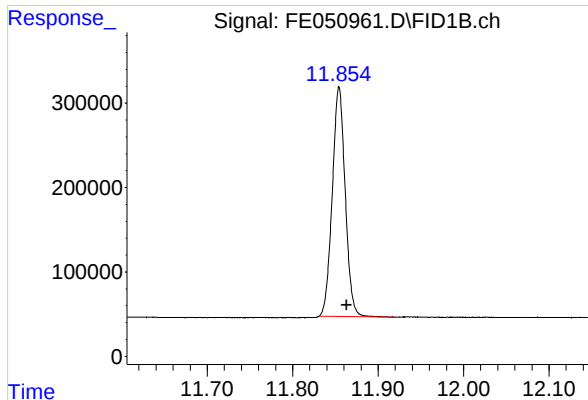
#7 n-Hexadecane (C16)

R.T.: 10.093 min
Delta R.T.: -0.010 min
Response: 2753458
Conc: 18.71 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.534 min
Delta R.T.: -0.010 min
Response: 2804852
Conc: 18.78 ug/ml



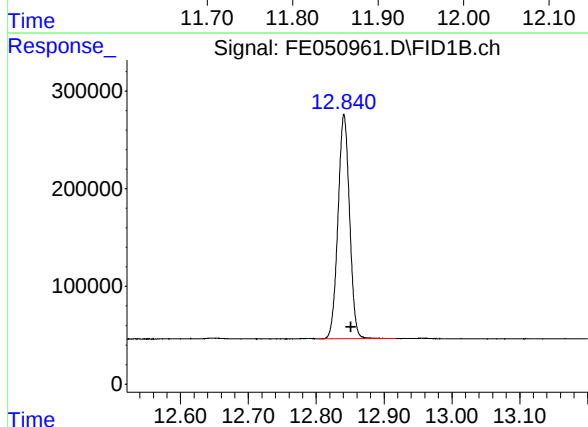
#9 ortho-Terphenyl (SURR)

R.T.: 11.854 min
Delta R.T.: -0.009 min
Response: 2861508
Conc: 18.15 ug/ml

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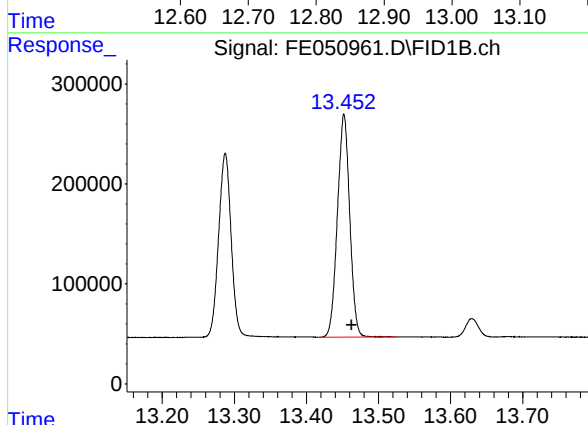
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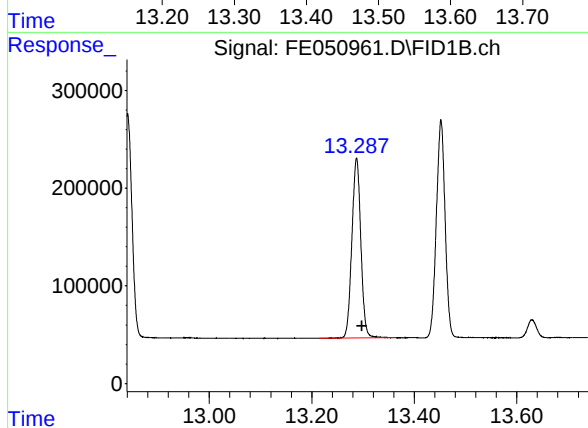
#10 n-Eicosane (C20)

R.T.: 12.841 min
Delta R.T.: -0.010 min
Response: 2720066
Conc: 18.97 ug/ml



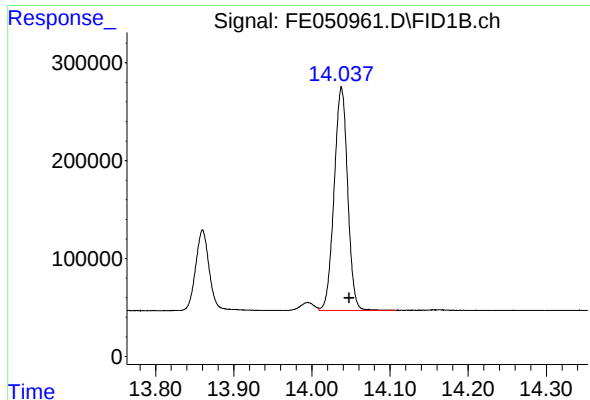
#11 n-Heneicosane (C21)

R.T.: 13.452 min
Delta R.T.: -0.011 min
Response: 2646619
Conc: 18.85 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.287 min
Delta R.T.: -0.010 min
Response: 2229352
Conc: 18.85 ug/ml



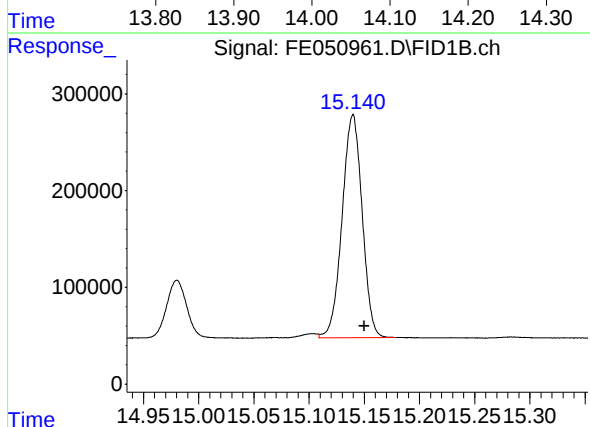
#13 n-Docosane (C22)

R.T.: 14.038 min
Delta R.T.: -0.010 min
Response: 2740858
Conc: 19.54 ug/ml

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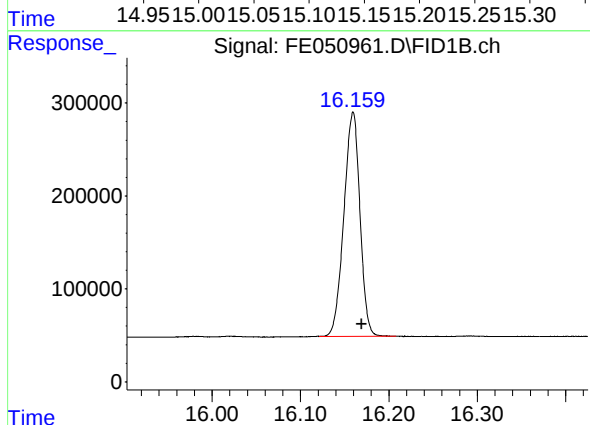
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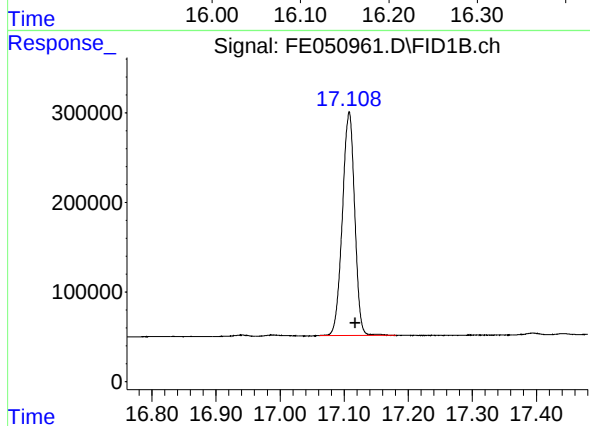
#14 n-Tetracosane (C24)

R.T.: 15.140 min
Delta R.T.: -0.010 min
Response: 2912508
Conc: 20.62 ug/ml m



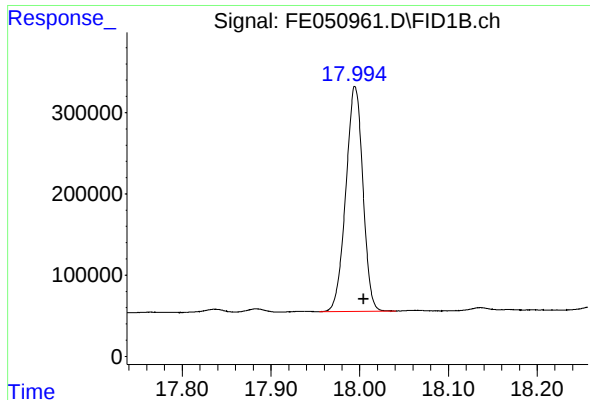
#15 n-Hexacosane (C26)

R.T.: 16.159 min
Delta R.T.: -0.010 min
Response: 3057018
Conc: 21.72 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.108 min
Delta R.T.: -0.010 min
Response: 3322605
Conc: 22.71 ug/ml



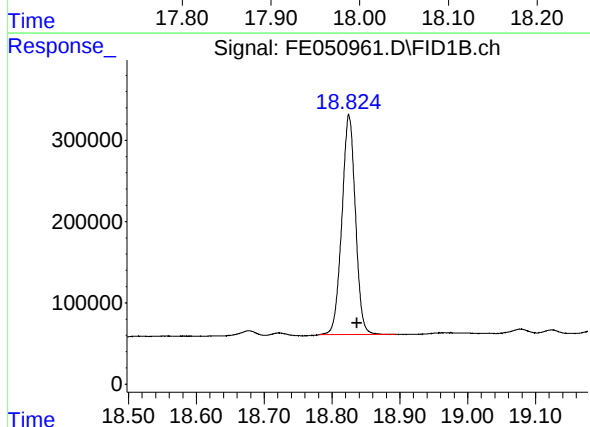
#17 n-Tricontane (C30)

R.T.: 17.995 min
Delta R.T.: -0.009 min
Response: 3695477
Conc: 23.24 ug/ml

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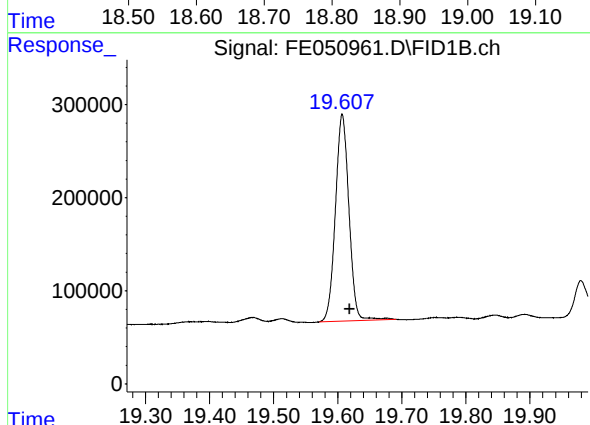
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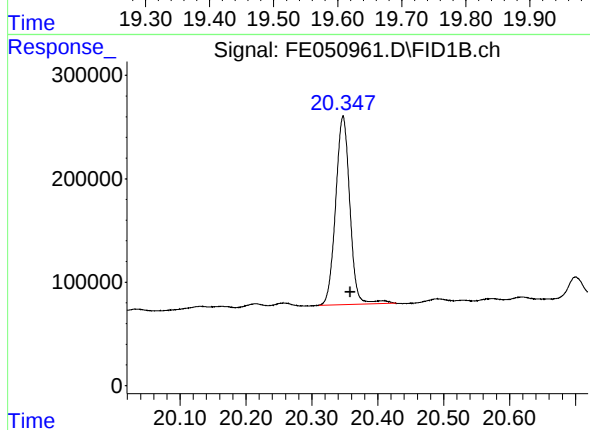
#18 n-Dotriacontane (C32)

R.T.: 18.825 min
Delta R.T.: -0.011 min
Response: 3753998
Conc: 23.16 ug/ml



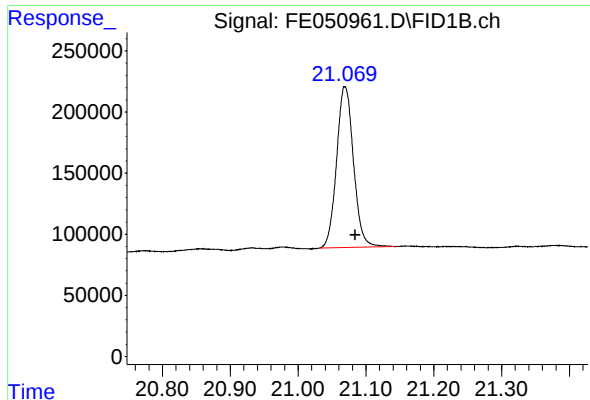
#19 n-Tetratriacontane (C34)

R.T.: 19.607 min
Delta R.T.: -0.011 min
Response: 3254391
Conc: 22.16 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.347 min
Delta R.T.: -0.011 min
Response: 2731852
Conc: 21.54 ug/ml



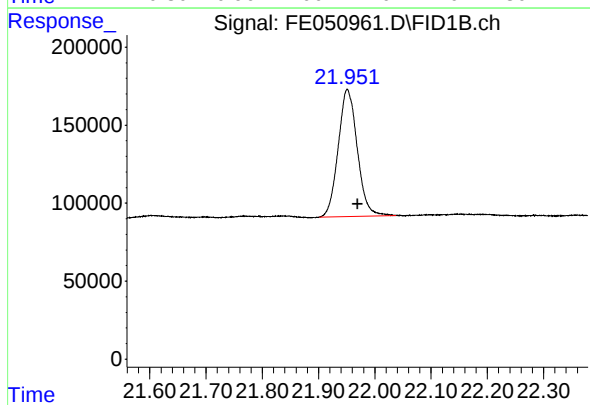
#21 n-Octatriacontane (C38)

R.T.: 21.069 min
Delta R.T.: -0.015 min
Response: 2281180
Conc: 18.45 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.951 min
Delta R.T.: -0.018 min
Response: 1920853
Conc: 17.25 ug/ml