

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110524AL\
 Data File : FE051027.D
 Signal(s) : FID1B.ch
 Acq On : 05 Nov 2024 12:16
 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: autoint1.e
 Quant Time: Nov 05 13:18:15 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)	11.851	3278978	20.798 ug/mlm
Spiked Amount 50.000		Recovery =	41.60%
12) S 1-chlorooctadecane (S...	13.285	2477739	20.946 ug/ml
Spiked Amount 50.000		Recovery =	41.89%
Target Compounds			
1) T n-Nonane (C9)	3.240	3088101	21.856 ug/ml
2) T n-Decane (C10)	4.491	3126526	21.791 ug/ml
3) T A~Naphthalene (C11.7)	6.203	2988016	20.897 ug/ml
4) T n-Dodecane (C12)	6.658	3145132	21.851 ug/ml
5) T A~2-methylnaphthalene...	7.299	2776002	20.954 ug/ml
6) T n-Tetradecane (C14)	8.485	3073003	21.479 ug/ml
7) T n-Hexadecane (C16)	10.090	3126820	21.246 ug/ml
8) T n-Octadecane (C18)	11.531	3125028	20.921 ug/ml
10) T n-Eicosane (C20)	12.838	2978438	20.770 ug/ml
11) T n-Heneicosane (C21)	13.449	2918571	20.783 ug/ml
13) T n-Docosane (C22)	14.035	2894081	20.628 ug/ml
14) T n-Tetracosane (C24)	15.135	2888336	20.444 ug/mlm
15) T n-Hexacosane (C26)	16.156	2891054	20.545 ug/mlm
16) T n-Octacosane (C28)	17.103	2890078	19.750 ug/ml
17) T n-Tricontane (C30)	17.990	3003488	18.890 ug/ml
18) T n-Dotriacontane (C32)	18.822	2999628	18.503 ug/ml
19) T n-Tetratriacontane (C34)	19.605	2746410	18.697 ug/ml
20) T n-Hexatriacontane (C36)	20.344	2450411	19.323 ug/ml
21) T n-Octatriacontane (C38)	21.064	2366209	19.137 ug/mlm
22) T n-Tetracontane (C40)	21.946	2054933	18.455 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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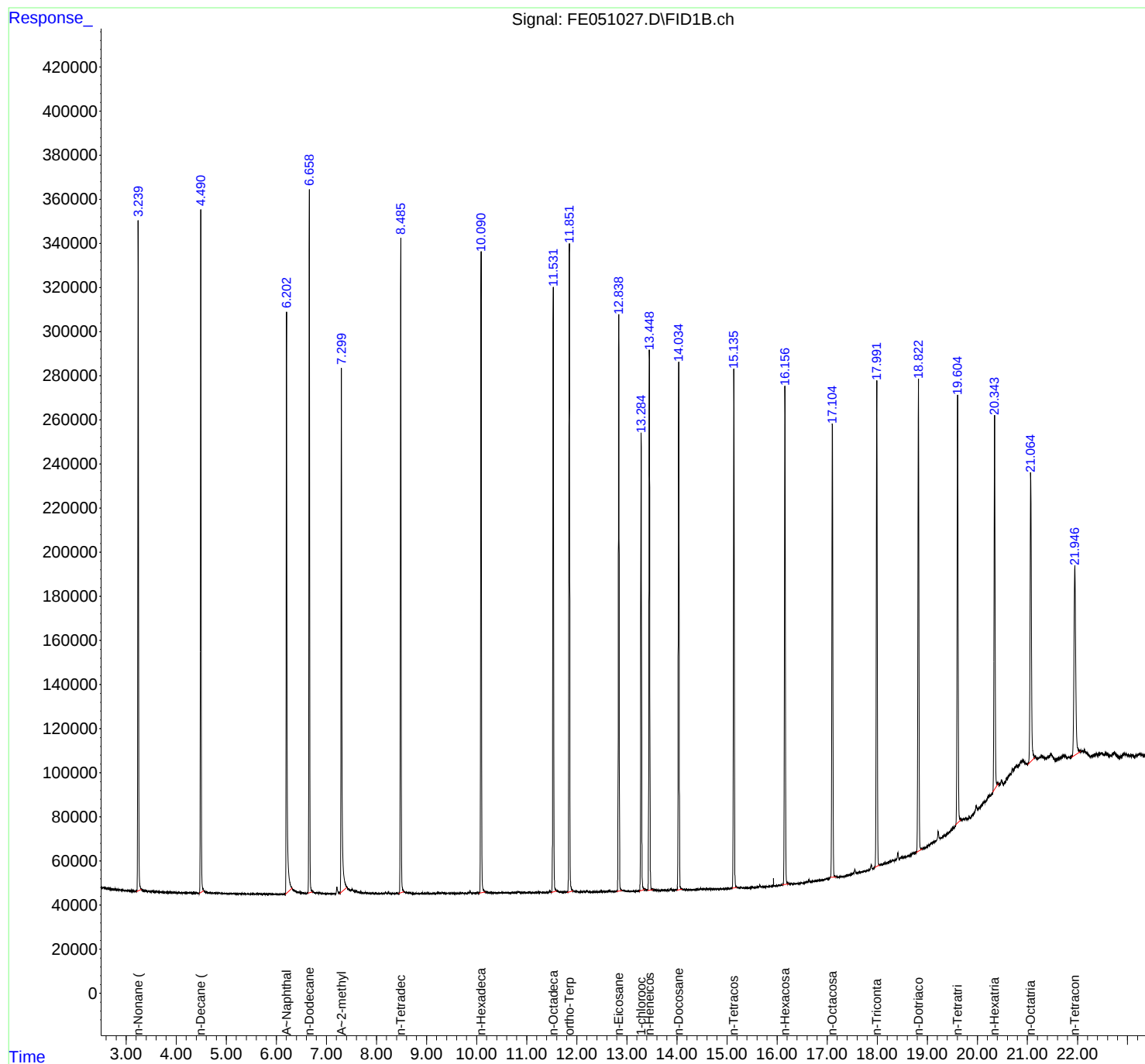
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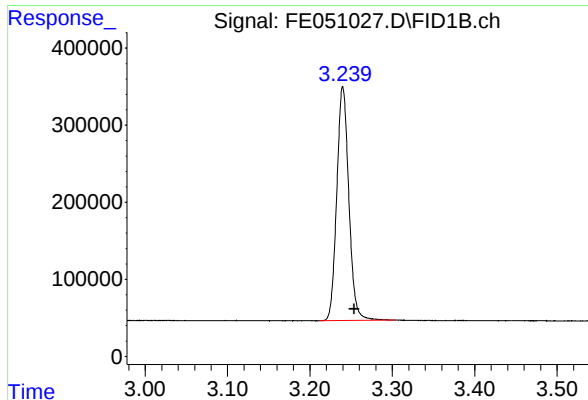
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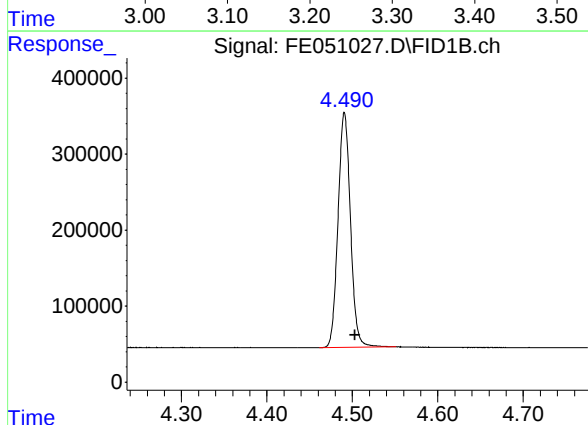
#1 n-Nonane (C9)

R.T.: 3.240 min
Delta R.T.: -0.014 min
Response: 3088101
Conc: 21.86 ug/ml

Instrument : FID_E
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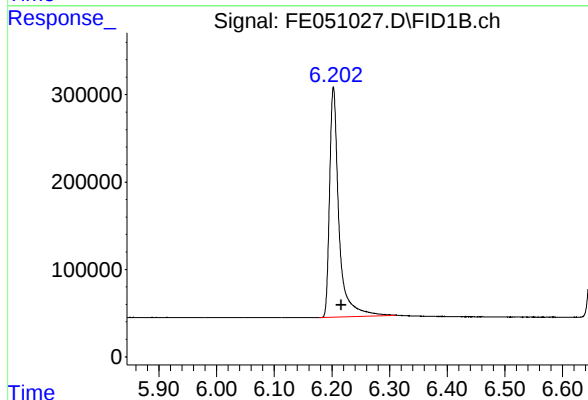
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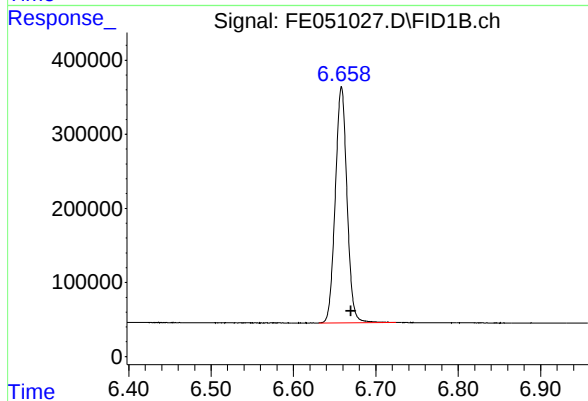
#2 n-Decane (C10)

R.T.: 4.491 min
Delta R.T.: -0.012 min
Response: 3126526
Conc: 21.79 ug/ml



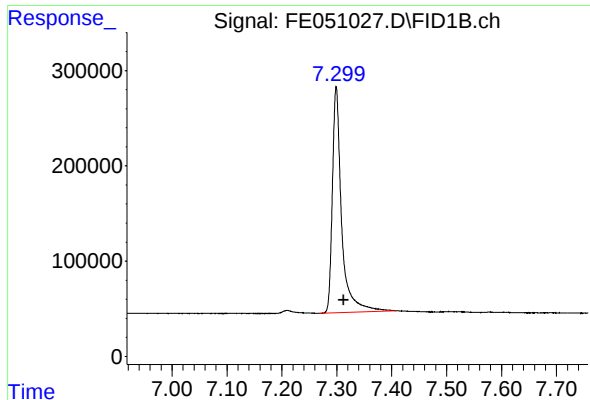
#3 A~Naphthalene (C11.7)

R.T.: 6.203 min
Delta R.T.: -0.014 min
Response: 2988016
Conc: 20.90 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.658 min
Delta R.T.: -0.012 min
Response: 3145132
Conc: 21.85 ug/ml



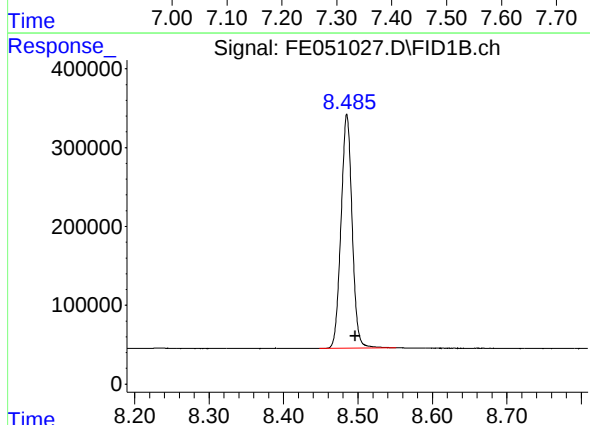
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.299 min
Delta R.T.: -0.014 min
Response: 2776002
Conc: 20.95 ug/ml

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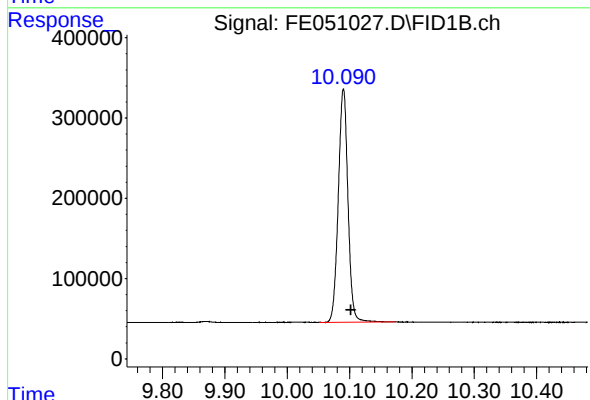
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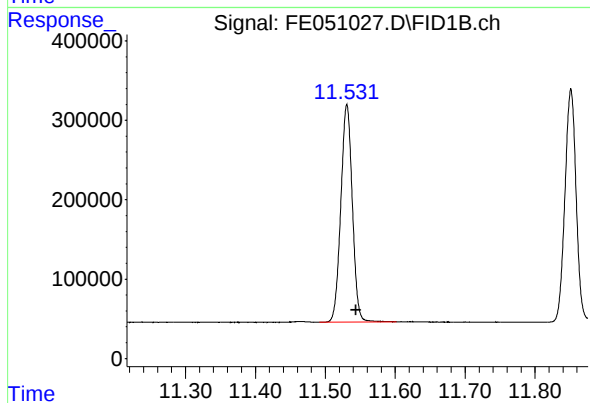
#6 n-Tetradecane (C14)

R.T.: 8.485 min
Delta R.T.: -0.011 min
Response: 3073003
Conc: 21.48 ug/ml



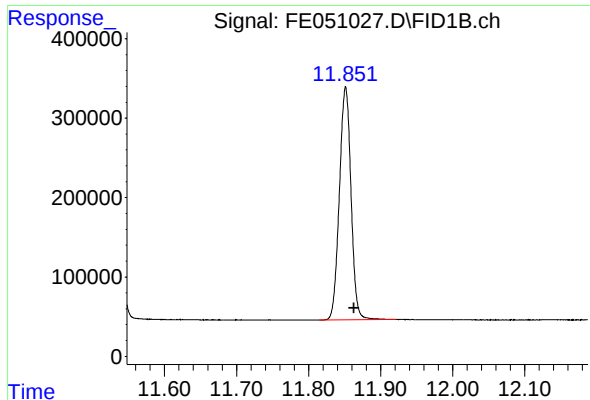
#7 n-Hexadecane (C16)

R.T.: 10.090 min
Delta R.T.: -0.012 min
Response: 3126820
Conc: 21.25 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.531 min
Delta R.T.: -0.013 min
Response: 3125028
Conc: 20.92 ug/ml



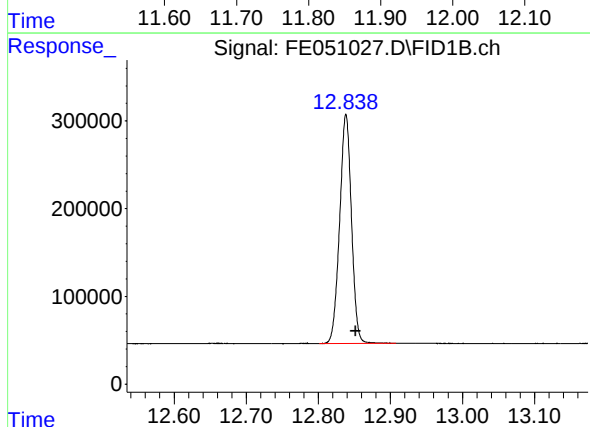
#9 ortho-Terphenyl (SURR)

R.T.: 11.851 min
Delta R.T.: -0.012 min
Response: 3278978
Conc: 20.80 ug/ml

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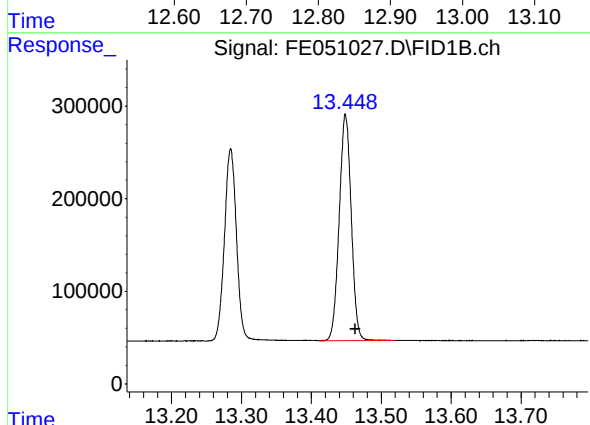
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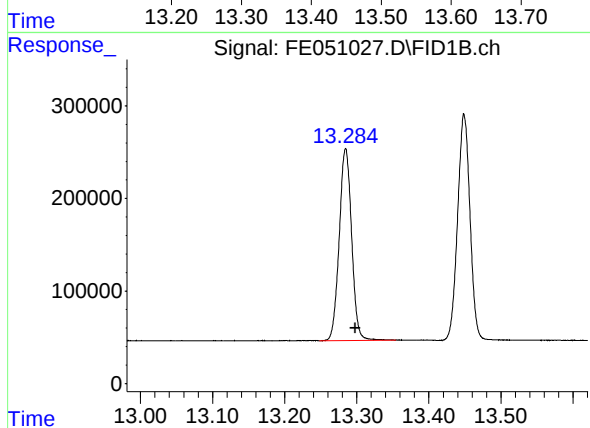
#10 n-Eicosane (C20)

R.T.: 12.838 min
Delta R.T.: -0.013 min
Response: 2978438
Conc: 20.77 ug/ml



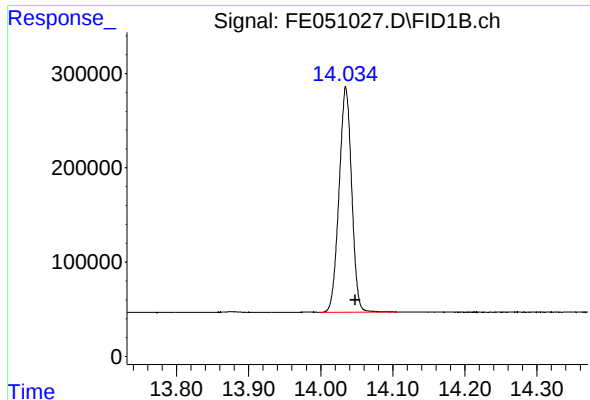
#11 n-Heneicosane (C21)

R.T.: 13.449 min
Delta R.T.: -0.014 min
Response: 2918571
Conc: 20.78 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.285 min
Delta R.T.: -0.013 min
Response: 2477739
Conc: 20.95 ug/ml



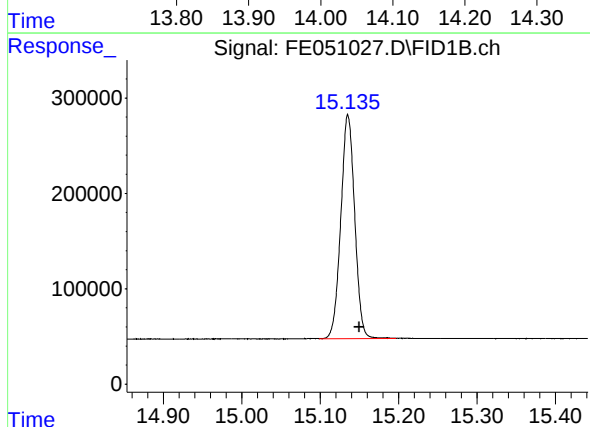
#13 n-Docosane (C22)

R.T.: 14.035 min
Delta R.T.: -0.013 min
Response: 2894081
Conc: 20.63 ug/ml

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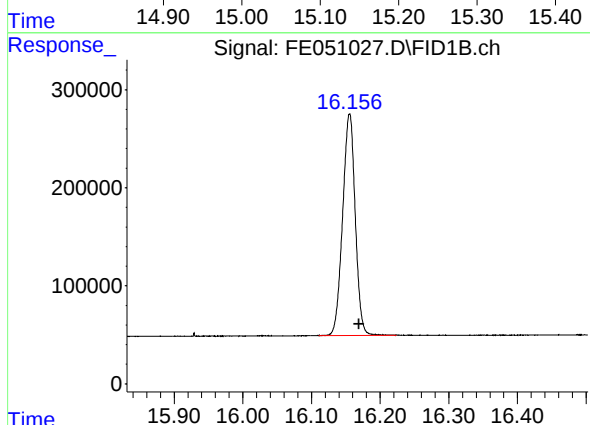
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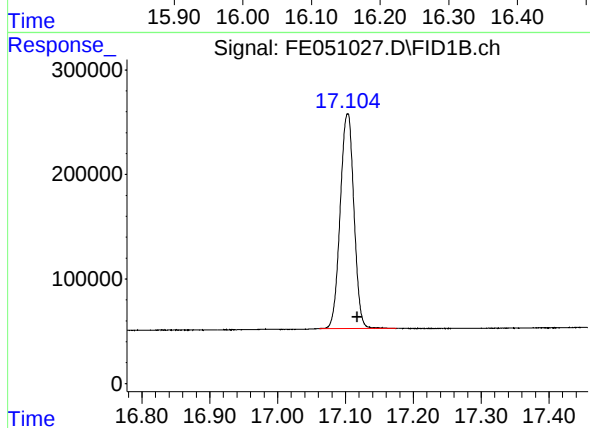
#14 n-Tetracosane (C24)

R.T.: 15.135 min
Delta R.T.: -0.015 min
Response: 2888336
Conc: 20.44 ug/ml m



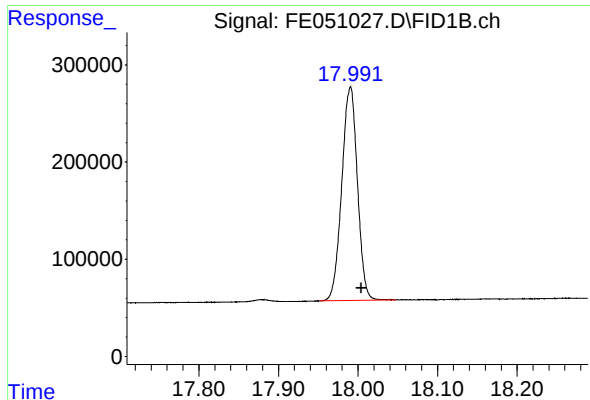
#15 n-Hexacosane (C26)

R.T.: 16.156 min
Delta R.T.: -0.014 min
Response: 2891054
Conc: 20.55 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.103 min
Delta R.T.: -0.014 min
Response: 2890078
Conc: 19.75 ug/ml



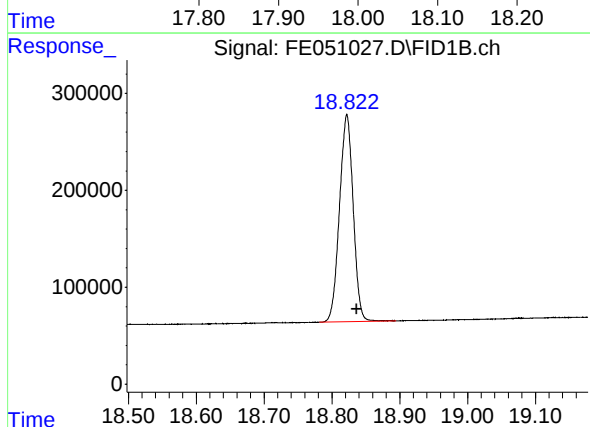
#17 n-Tricontane (C30)

R.T.: 17.990 min
Delta R.T.: -0.014 min
Response: 3003488
Conc: 18.89 ug/ml

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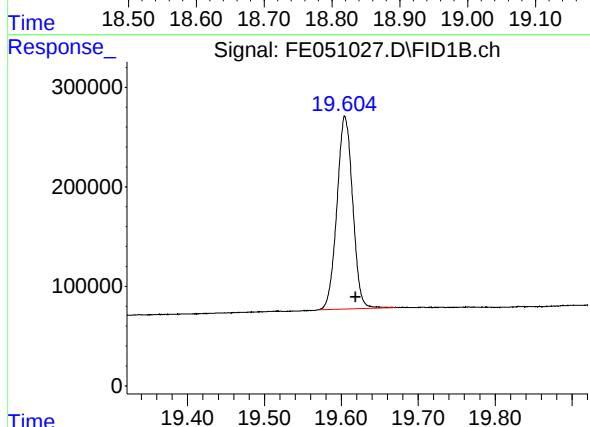
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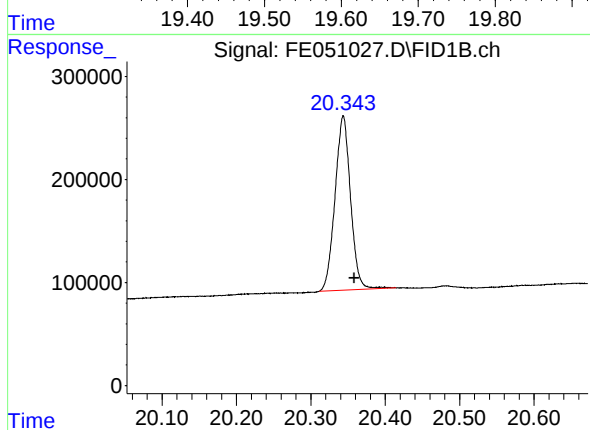
#18 n-Dotriacontane (C32)

R.T.: 18.822 min
Delta R.T.: -0.015 min
Response: 2999628
Conc: 18.50 ug/ml



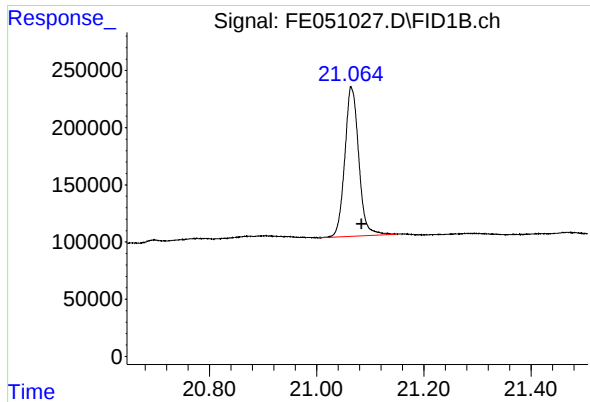
#19 n-Tetatriacontane (C34)

R.T.: 19.605 min
Delta R.T.: -0.014 min
Response: 2746410
Conc: 18.70 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.344 min
Delta R.T.: -0.015 min
Response: 2450411
Conc: 19.32 ug/ml



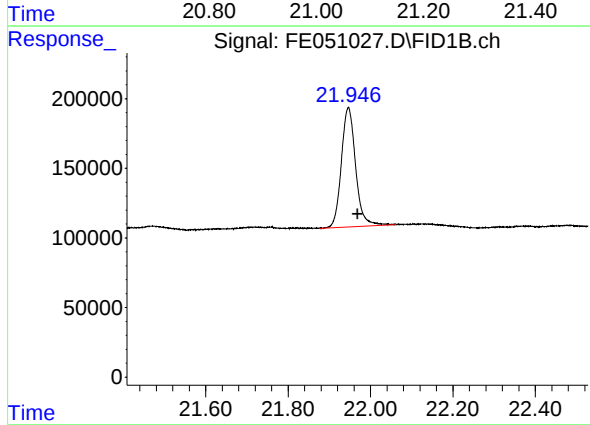
#21 n-Octatriacontane (C38)

R.T.: 21.064 min
Delta R.T.: -0.021 min
Response: 2366209
Conc: 19.14 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.946 min
Delta R.T.: -0.023 min
Response: 2054933
Conc: 18.45 ug/ml m