

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100124AL\
 Data File : FE050462.D
 Signal(s) : FID1B.ch
 Acq On : 01 Oct 2024 20:33
 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 01:14:22 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)	11.863	2439926	16.400 ug/ml
Spiked Amount 50.000		Recovery =	32.80%
12) S 1-chlorooctadecane (S...	13.297	1859131	16.551 ug/ml
Spiked Amount 50.000		Recovery =	33.10%
Target Compounds			
1) T n-Nonane (C9)	3.253	2147627	15.844 ug/ml
2) T n-Decane (C10)	4.503	2255048	16.340 ug/ml
3) T A~Naphthalene (C11.7)	6.214	2273239	16.241 ug/ml
4) T n-Dodecane (C12)	6.670	2257033	16.322 ug/mlm
5) T A~2-methylnaphthalene...	7.309	2116399	16.102 ug/ml
6) T n-Tetradecane (C14)	8.497	2244017	16.479 ug/ml
7) T n-Hexadecane (C16)	10.102	2338868	16.838 ug/ml
8) T n-Octadecane (C18)	11.544	2377322	16.969 ug/ml
10) T n-Eicosane (C20)	12.851	2279293	16.991 ug/mlm
11) T n-Heneicosane (C21)	13.462	2235286	17.012 ug/ml
13) T n-Docosane (C22)	14.047	2235060	17.164 ug/ml
14) T n-Tetracosane (C24)	15.148	2271301	17.393 ug/ml
15) T n-Hexacosane (C26)	16.168	2268935	17.734 ug/mlm
16) T n-Octacosane (C28)	17.117	2395274	18.596 ug/ml
17) T n-Tricontane (C30)	18.003	2658481	19.881 ug/ml
18) T n-Dotriacontane (C32)	18.833	2782137	20.878 ug/mlm
19) T n-Tetratriacontane (C34)	19.616	2706883	21.907 ug/ml
20) T n-Hexatriacontane (C36)	20.356	2507041	22.596 ug/ml
21) T n-Octatriacontane (C38)	21.081	2425749	21.996 ug/mlm
22) T n-Tetracontane (C40)	21.965	2157338	19.826 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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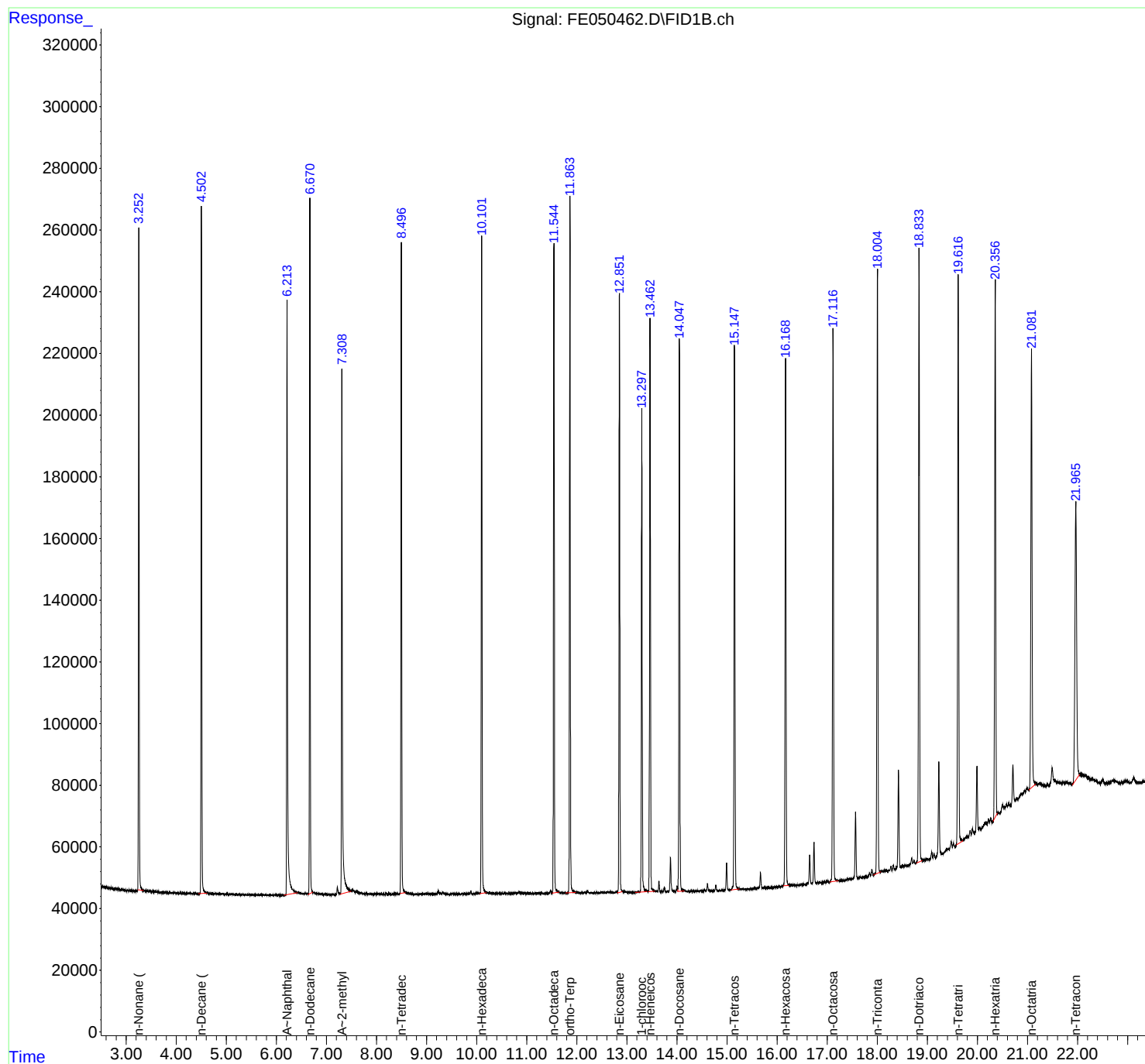
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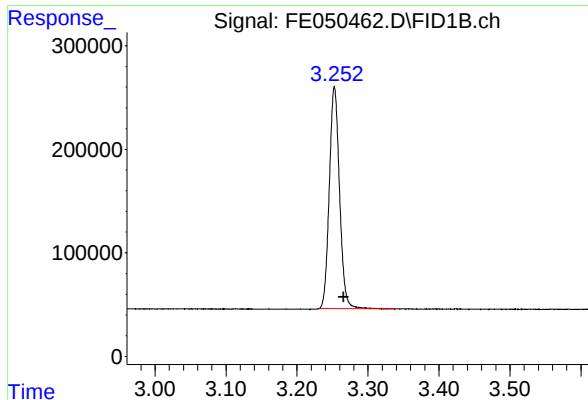
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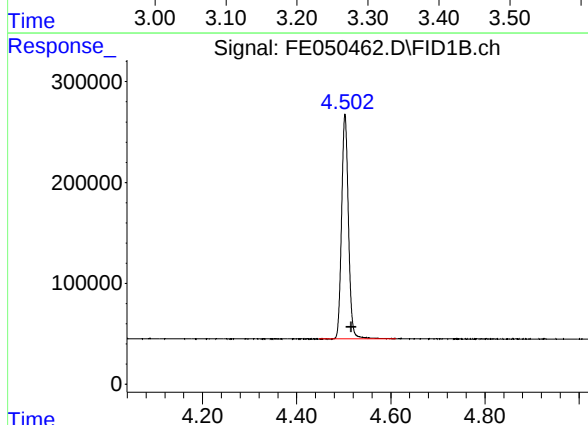
#1 n-Nonane (C9)

R.T.: 3.253 min
Delta R.T.: -0.013 min
Response: 2147627
Conc: 15.84 ug/ml

Instrument : FID_E
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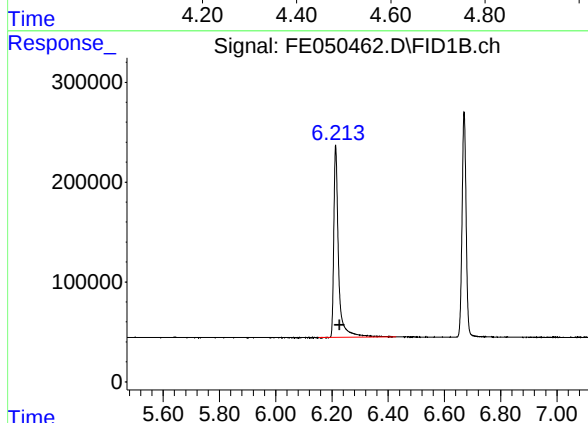
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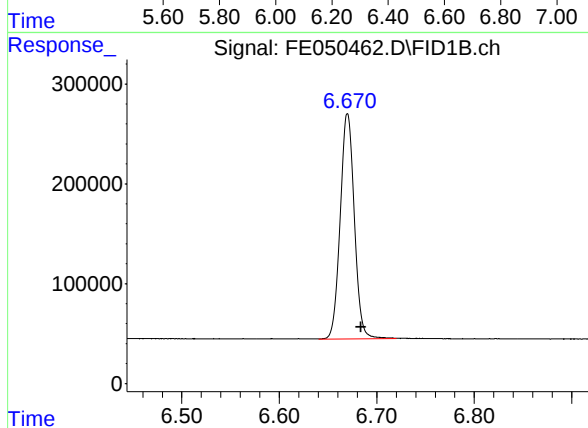
#2 n-Decane (C10)

R.T.: 4.503 min
Delta R.T.: -0.014 min
Response: 2255048
Conc: 16.34 ug/ml



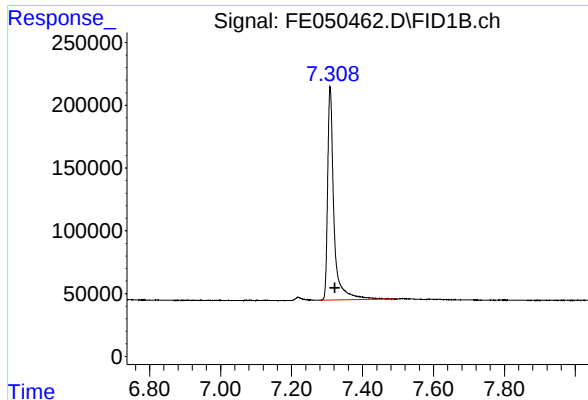
#3 A~Naphthalene (C11.7)

R.T.: 6.214 min
Delta R.T.: -0.013 min
Response: 2273239
Conc: 16.24 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.670 min
Delta R.T.: -0.014 min
Response: 2257033
Conc: 16.32 ug/ml m



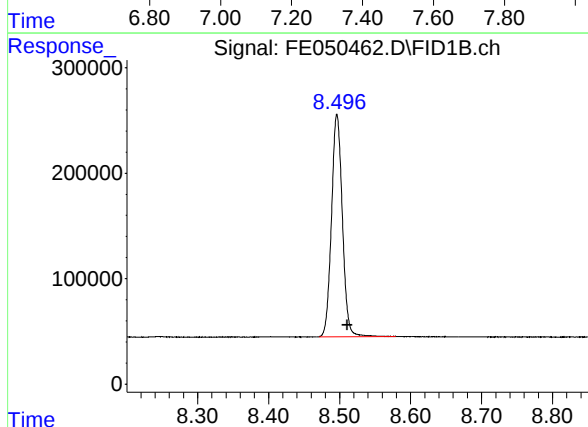
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.309 min
Delta R.T.: -0.014 min
Response: 2116399
Conc: 16.10 ug/ml

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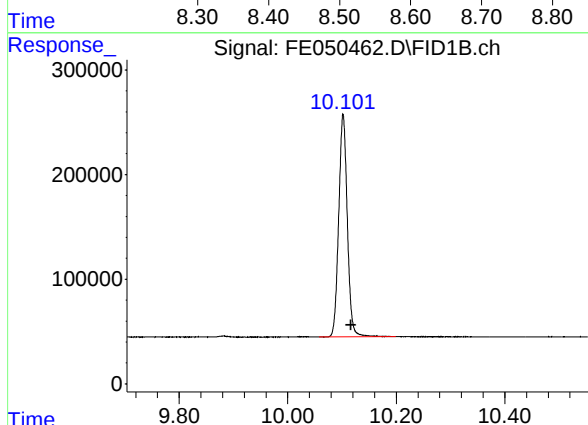
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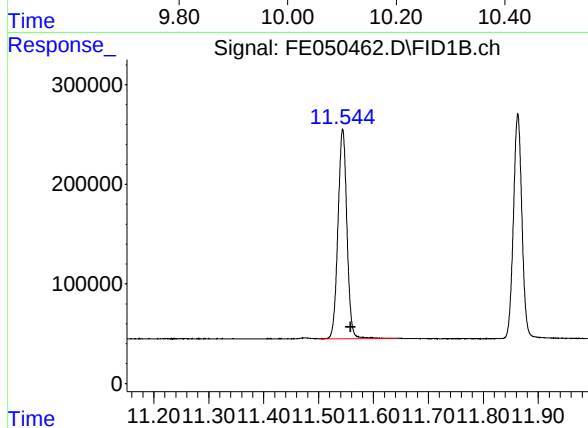
#6 n-Tetradecane (C14)

R.T.: 8.497 min
Delta R.T.: -0.014 min
Response: 2244017
Conc: 16.48 ug/ml



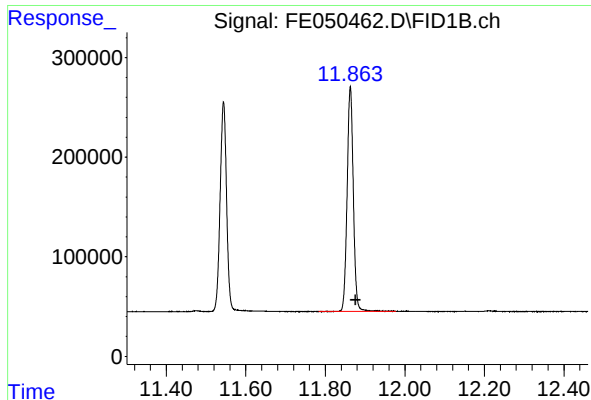
#7 n-Hexadecane (C16)

R.T.: 10.102 min
Delta R.T.: -0.015 min
Response: 2338868
Conc: 16.84 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.544 min
Delta R.T.: -0.014 min
Response: 2377322
Conc: 16.97 ug/ml



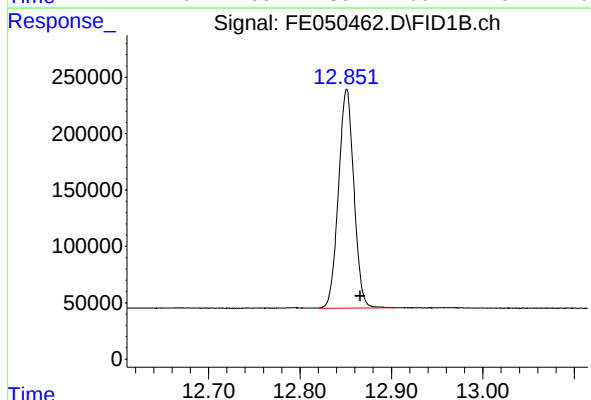
#9 ortho-Terphenyl (SURR)

R.T.: 11.863 min
Delta R.T.: -0.014 min
Response: 2439926
Conc: 16.40 ug/ml

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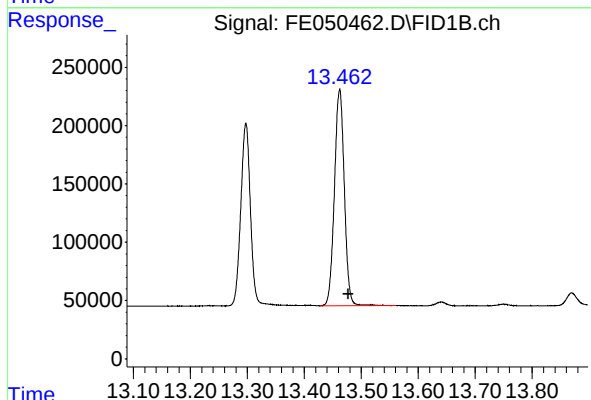
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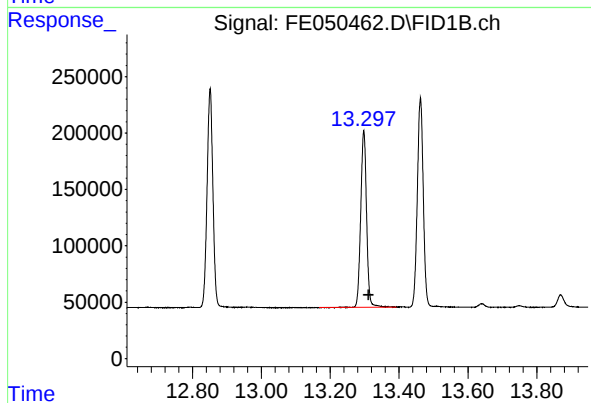
#10 n-Eicosane (C20)

R.T.: 12.851 min
Delta R.T.: -0.015 min
Response: 2279293
Conc: 16.99 ug/ml m



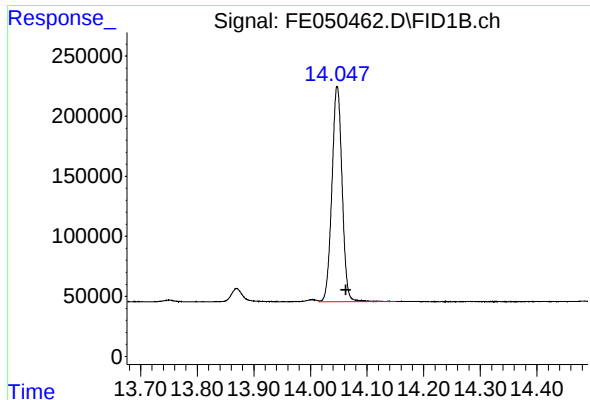
#11 n-Heneicosane (C21)

R.T.: 13.462 min
Delta R.T.: -0.015 min
Response: 2235286
Conc: 17.01 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.297 min
Delta R.T.: -0.014 min
Response: 1859131
Conc: 16.55 ug/ml



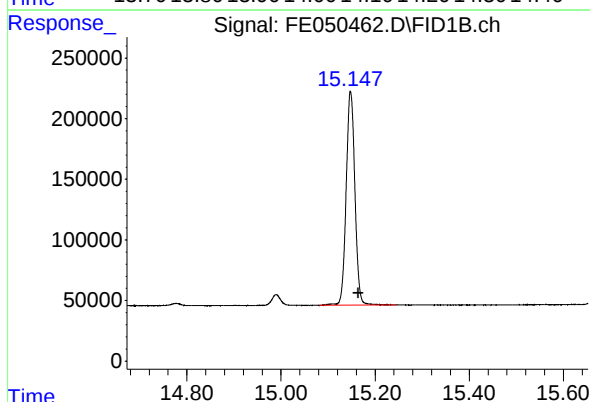
#13 n-Docosane (C22)

R.T.: 14.047 min
Delta R.T.: -0.016 min
Response: 2235060
Conc: 17.16 ug/ml

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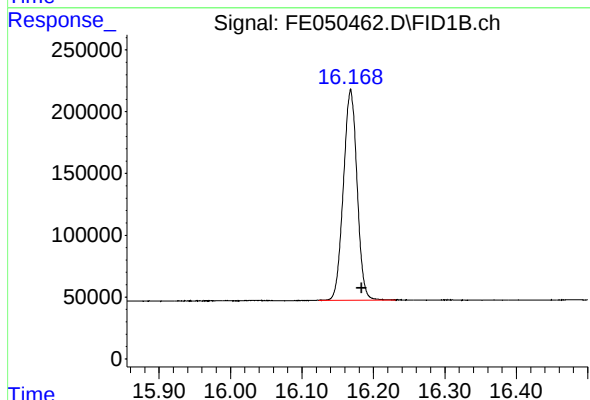
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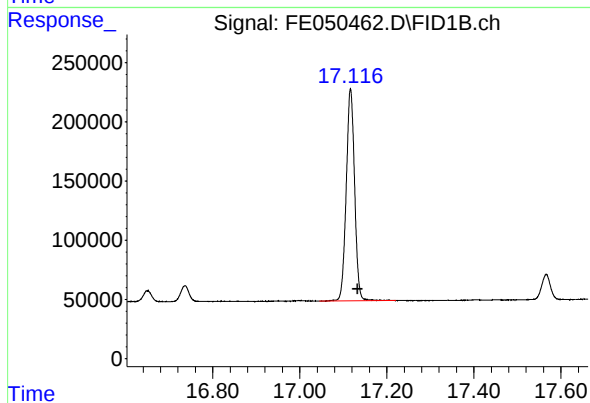
#14 n-Tetracosane (C24)

R.T.: 15.148 min
Delta R.T.: -0.016 min
Response: 2271301
Conc: 17.39 ug/ml



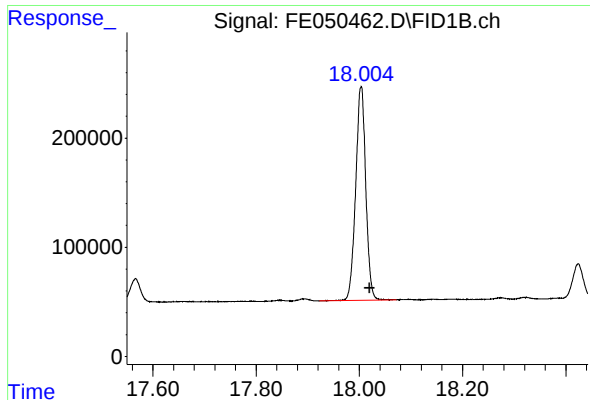
#15 n-Hexacosane (C26)

R.T.: 16.168 min
Delta R.T.: -0.016 min
Response: 2268935
Conc: 17.73 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.117 min
Delta R.T.: -0.016 min
Response: 2395274
Conc: 18.60 ug/ml



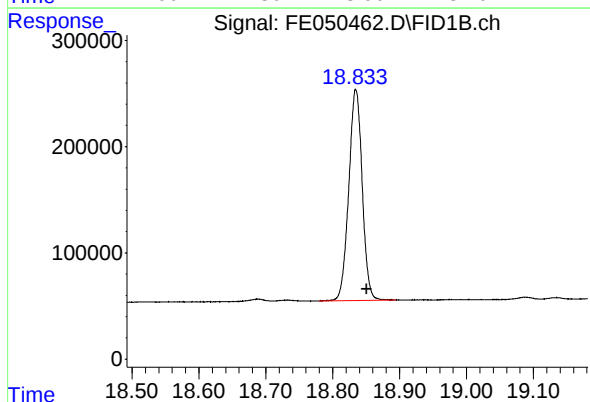
#17 n-Tricontane (C30)

R.T.: 18.003 min
Delta R.T.: -0.017 min
Response: 2658481
Conc: 19.88 ug/ml

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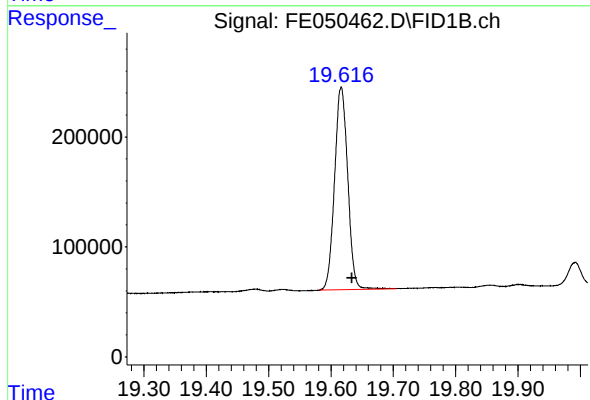
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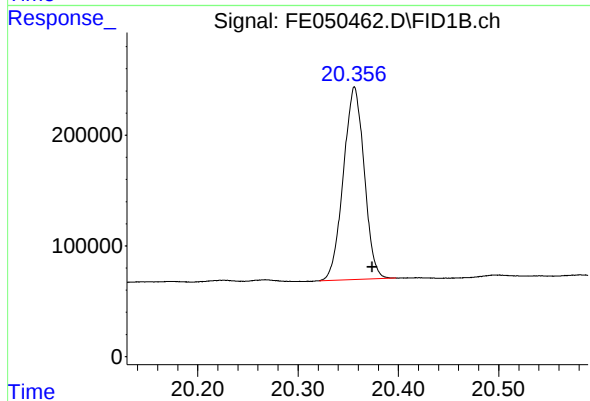
#18 n-Dotriacontane (C32)

R.T.: 18.833 min
Delta R.T.: -0.018 min
Response: 2782137
Conc: 20.88 ug/ml m



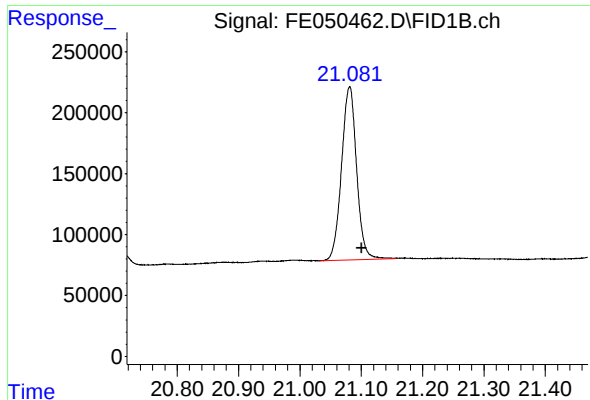
#19 n-Tetratriacontane (C34)

R.T.: 19.616 min
Delta R.T.: -0.017 min
Response: 2706883
Conc: 21.91 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.356 min
Delta R.T.: -0.017 min
Response: 2507041
Conc: 22.60 ug/ml



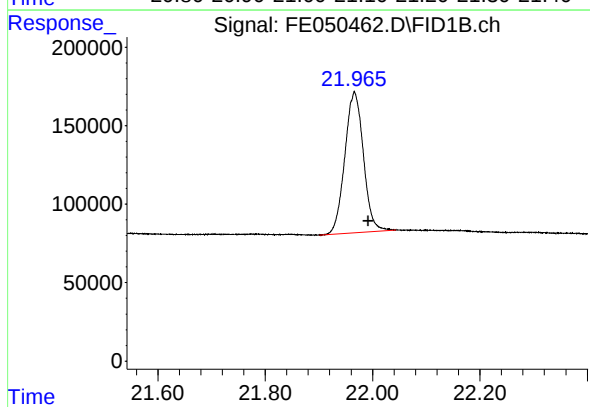
#21 n-Octatriacontane (C38)

R.T.: 21.081 min
Delta R.T.: -0.020 min
Response: 2425749
Conc: 22.00 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.965 min
Delta R.T.: -0.027 min
Response: 2157338
Conc: 19.83 ug/ml m