

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110323AL\
 Data File : FE045189.D
 Signal(s) : FID1B.ch
 Acq On : 03 Nov 2023 21:58
 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 11/06/2023
 Supervised By :mohammad ahmed 11/06/2023

Integration File: autoint1.e
 Quant Time: Nov 03 23:05:14 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101223.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 12 06:15:32 2023
 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)	11.888	3665220	18.284 ug/ml
Spiked Amount 50.000		Recovery =	36.57%
12) S 1-chlorooctadecane (S...	13.329	2648618	17.898 ug/ml
Spiked Amount 50.000		Recovery =	35.80%
Target Compounds			
1) T n-Nonane (C9)	3.273	3183888	18.980 ug/ml
2) T n-Decane (C10)	4.525	3243293	19.039 ug/ml
3) T A~Naphthalene (C11.7)	6.226	3486006	18.831 ug/ml
4) T n-Dodecane (C12)	6.691	3269121	18.938 ug/ml
5) T A~2-methylnaphthalene...	7.322	3354393	18.595 ug/ml
6) T n-Tetradecane (C14)	8.517	3219061	18.772 ug/ml
7) T n-Hexadecane (C16)	10.128	3246052	18.563 ug/ml
8) T n-Octadecane (C18)	11.574	3210246	18.406 ug/ml
10) T n-Eicosane (C20)	12.886	3039744	18.199 ug/ml
11) T n-Heneicosane (C21)	13.498	2949634	18.095 ug/ml
13) T n-Docosane (C22)	14.085	2906332	18.170 ug/ml
14) T n-Tetracosane (C24)	15.191	2865388	18.463 ug/ml
15) T n-Hexacosane (C26)	16.214	2802117	18.664 ug/ml
16) T n-Octacosane (C28)	17.166	2806786	19.114 ug/ml
17) T n-Tricontane (C30)	18.055	2883715	19.389 ug/ml
18) T n-Dotriacontane (C32)	18.889	2951205	19.662 ug/ml
19) T n-Tetratriacontane (C34)	19.674	2958702	19.875 ug/mlm
20) T n-Hexatriacontane (C36)	20.416	3074995	20.001 ug/mlm
21) T n-Octatriacontane (C38)	21.157	3133584	20.060 ug/mlm
22) T n-Tetracontane (C40)	22.071	3218770	19.260 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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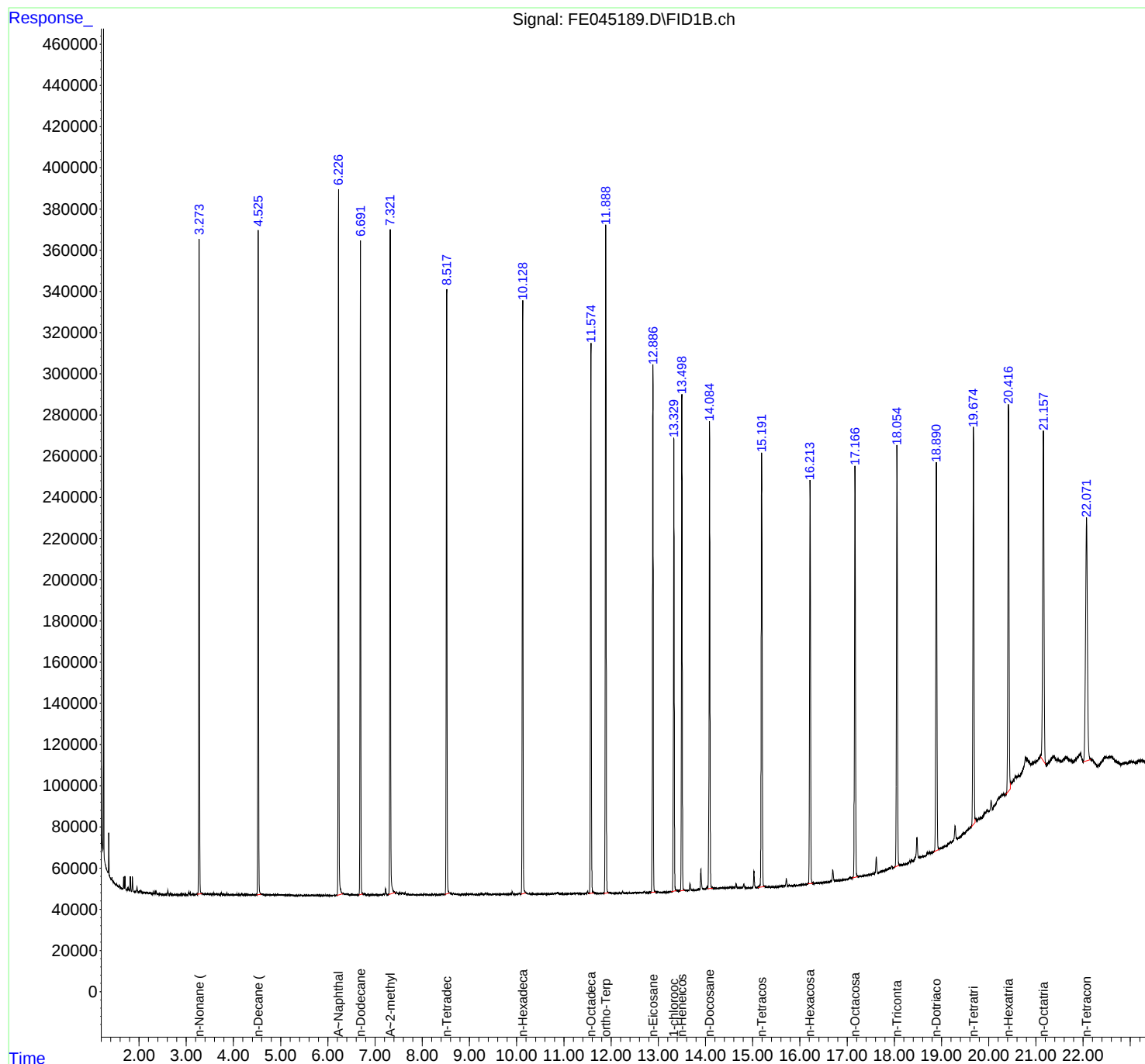
Instrument :
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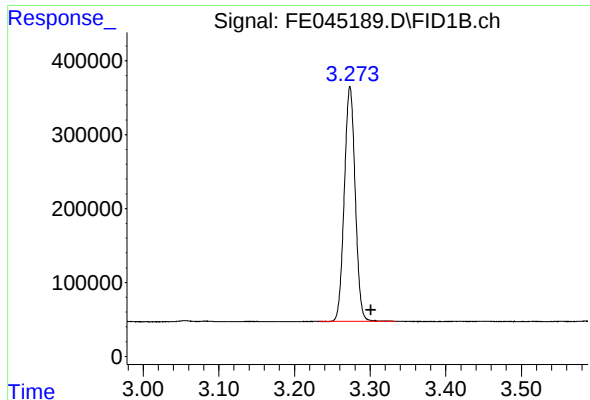
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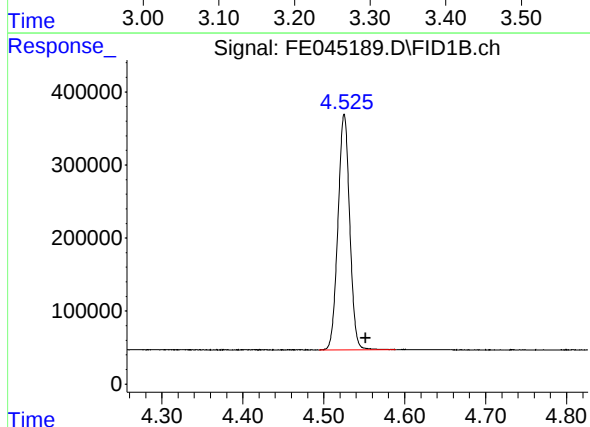
#1 n-Nonane (C9)

R.T.: 3.273 min
Delta R.T.: -0.028 min
Response: 318388
Conc: 18.98 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

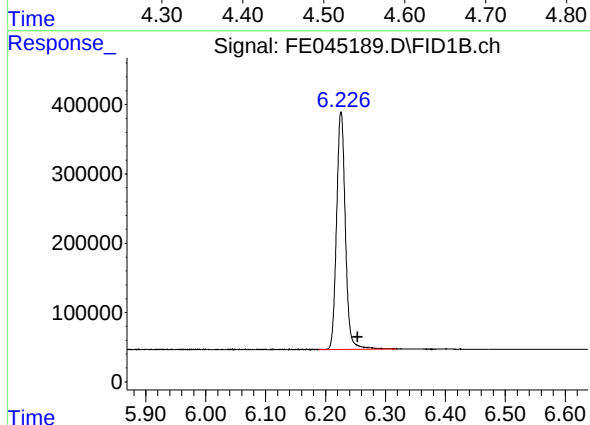
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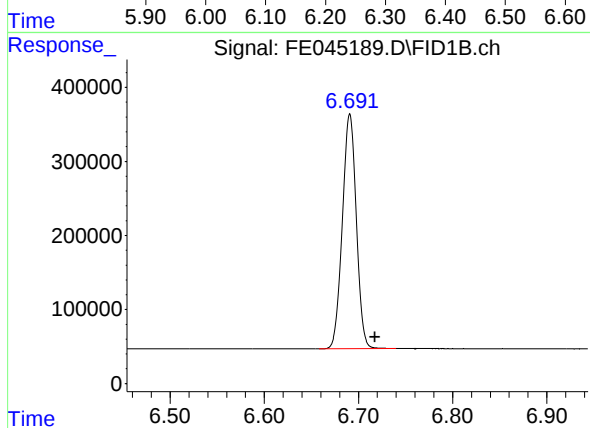
#2 n-Decane (C10)

R.T.: 4.525 min
Delta R.T.: -0.027 min
Response: 3243293
Conc: 19.04 ug/ml



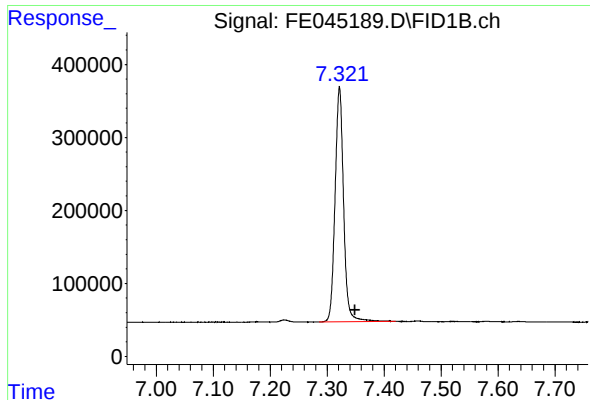
#3 A~Naphthalene (C11.7)

R.T.: 6.226 min
Delta R.T.: -0.027 min
Response: 3486006
Conc: 18.83 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.691 min
Delta R.T.: -0.027 min
Response: 3269121
Conc: 18.94 ug/ml



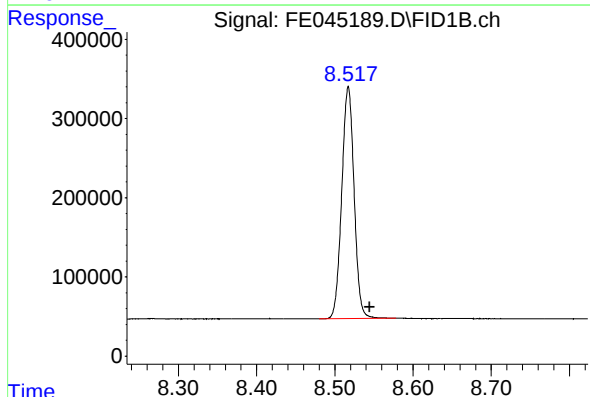
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.322 min
Delta R.T.: -0.027 min
Response: 3354393
Conc: 18.60 ug/ml

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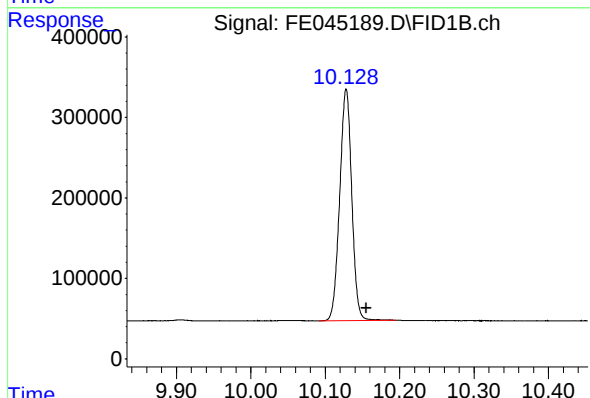
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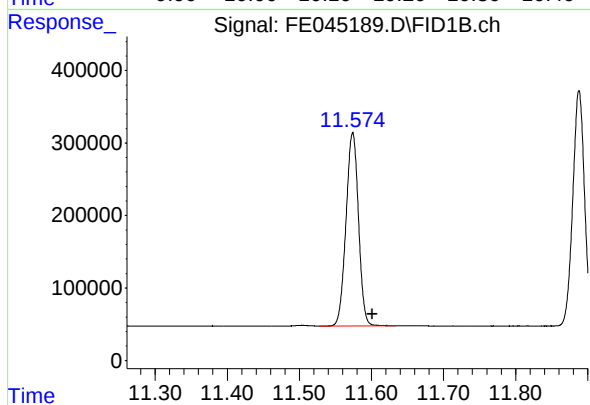
#6 n-Tetradecane (C14)

R.T.: 8.517 min
Delta R.T.: -0.027 min
Response: 3219061
Conc: 18.77 ug/ml



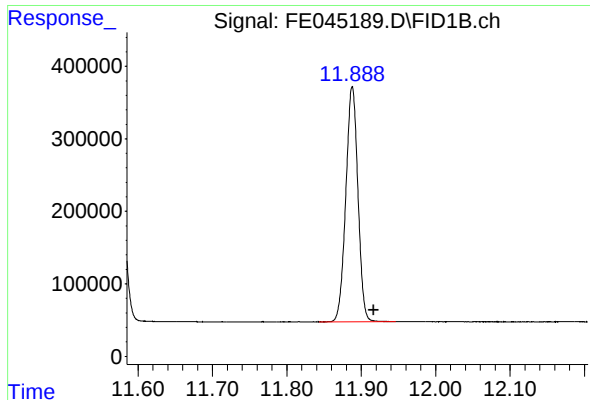
#7 n-Hexadecane (C16)

R.T.: 10.128 min
Delta R.T.: -0.027 min
Response: 3246052
Conc: 18.56 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.574 min
Delta R.T.: -0.027 min
Response: 3210246
Conc: 18.41 ug/ml



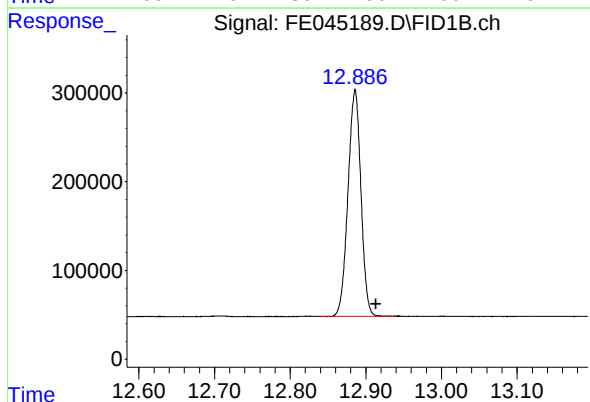
#9 ortho-Terphenyl (SURR)

R.T.: 11.888 min
Delta R.T.: -0.029 min
Response: 3665220
Conc: 18.28 ug/ml

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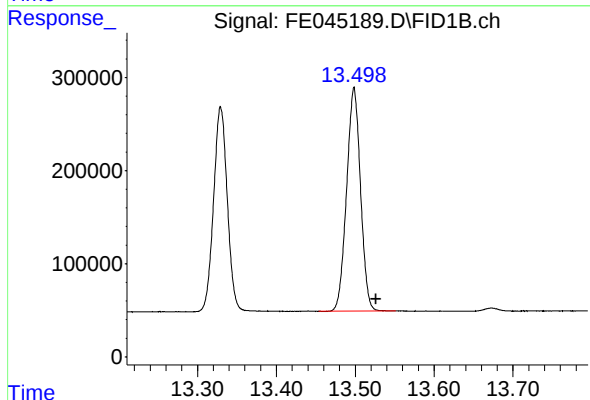
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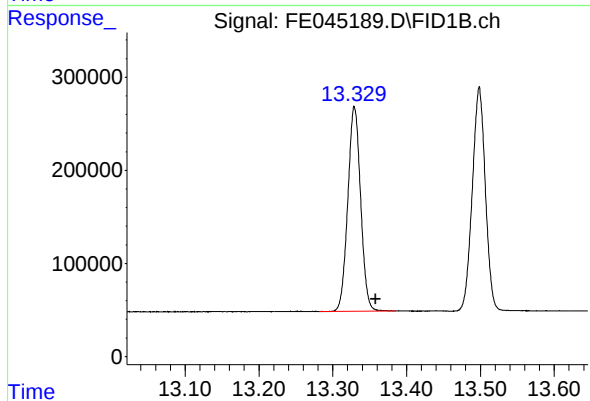
#10 n-Eicosane (C20)

R.T.: 12.886 min
Delta R.T.: -0.028 min
Response: 3039744
Conc: 18.20 ug/ml



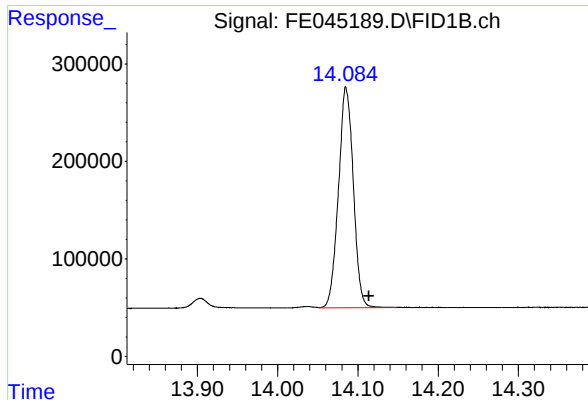
#11 n-Heneicosane (C21)

R.T.: 13.498 min
Delta R.T.: -0.028 min
Response: 2949634
Conc: 18.09 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.329 min
Delta R.T.: -0.029 min
Response: 2648618
Conc: 17.90 ug/ml



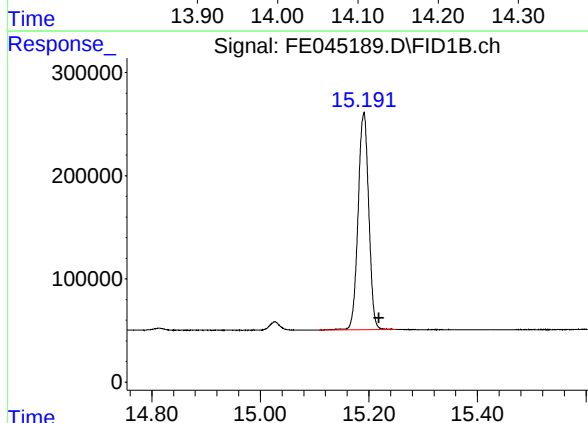
#13 n-Docosane (C22)

R.T.: 14.085 min
Delta R.T.: -0.029 min
Response: 2906332
Conc: 18.17 ug/ml

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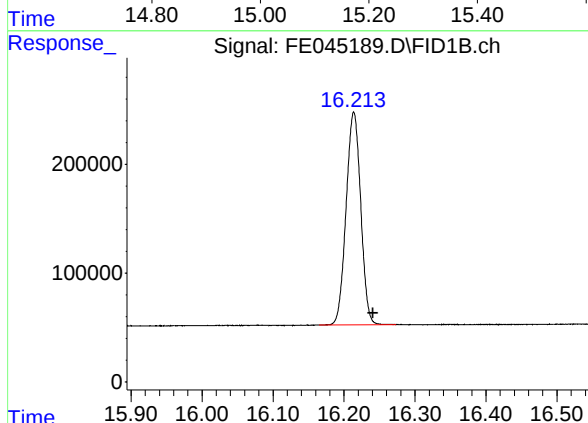
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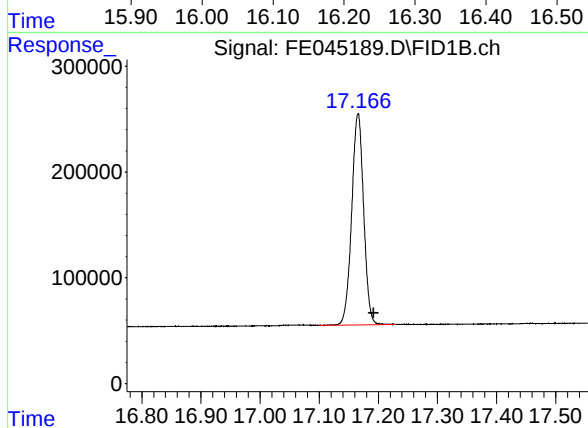
#14 n-Tetracosane (C24)

R.T.: 15.191 min
Delta R.T.: -0.028 min
Response: 2865388
Conc: 18.46 ug/ml



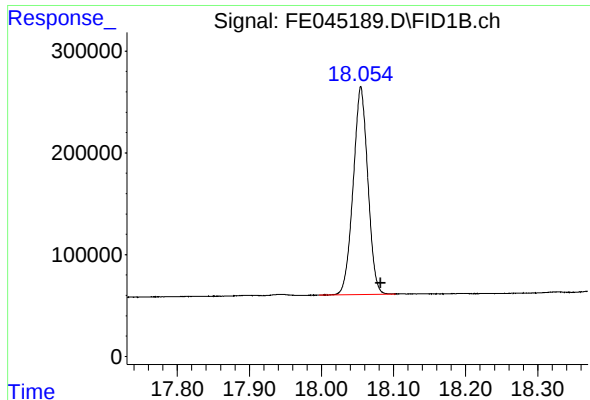
#15 n-Hexacosane (C26)

R.T.: 16.214 min
Delta R.T.: -0.027 min
Response: 2802117
Conc: 18.66 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.166 min
Delta R.T.: -0.027 min
Response: 2806786
Conc: 19.11 ug/ml



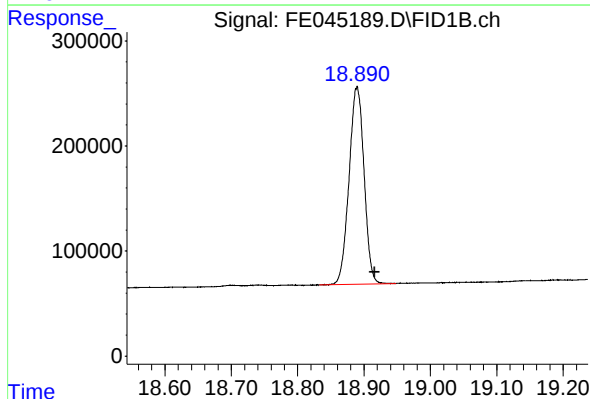
#17 n-Tricontane (C30)

R.T.: 18.055 min
Delta R.T.: -0.027 min
Response: 2883715
Conc: 19.39 ug/ml

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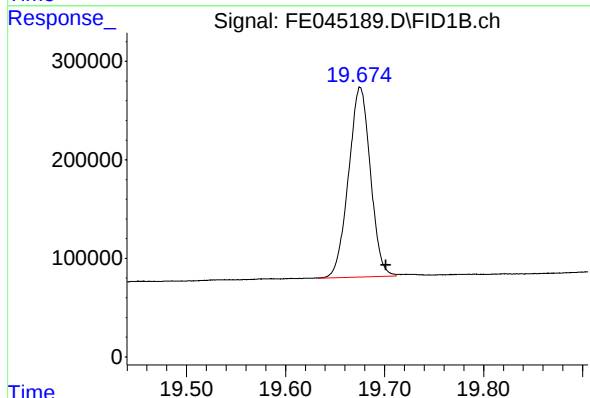
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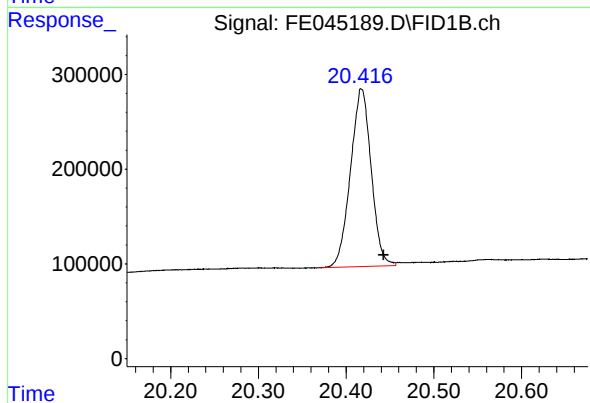
#18 n-Dotriacontane (C32)

R.T.: 18.889 min
Delta R.T.: -0.027 min
Response: 2951205
Conc: 19.66 ug/ml



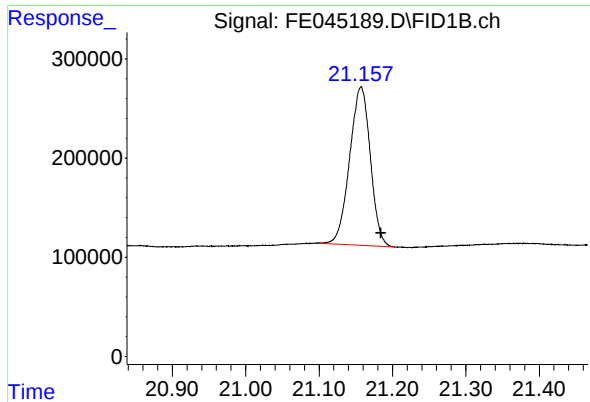
#19 n-Tetatriacontane (C34)

R.T.: 19.674 min
Delta R.T.: -0.027 min
Response: 2958702
Conc: 19.88 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.416 min
Delta R.T.: -0.027 min
Response: 3074995
Conc: 20.00 ug/ml m



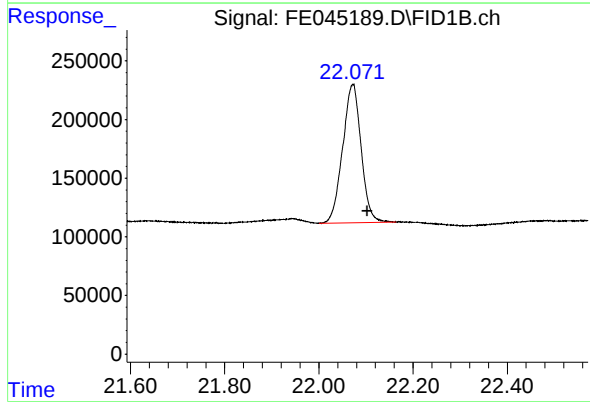
#21 n-Octatriacontane (C38)

R.T.: 21.157 min
Delta R.T.: -0.027 min
Response: 3133584
Conc: 20.06 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.071 min
Delta R.T.: -0.032 min
Response: 3218770
Conc: 19.26 ug/ml m