

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE102822AL\
 Data File : FE038404.D
 Signal(s) : FID1B.ch
 Acq On : 28 Oct 2022 22:18
 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 10/29/2022
 Supervised By :Ankita Jodhani 10/31/2022

Integration File: autoint1.e
 Quant Time: Oct 29 05:39:46 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 102522.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 26 04:49:29 2022
 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)	11.973	3452359	20.064 ug/ml
Spiked Amount 50.000		Recovery =	40.13%
12) S 1-chlorooctadecane (S...	13.405	2717329	19.849 ug/ml
Spiked Amount 50.000		Recovery =	39.70%
Target Compounds			
1) T n-Nonane (C9)	3.371	3299336	21.423 ug/ml
2) T n-Decane (C10)	4.618	3318054	21.376 ug/ml
3) T A~Naphthalene (C11.7)	6.321	3568665	21.072 ug/ml
4) T n-Dodecane (C12)	6.780	3330708	21.321 ug/ml
5) T A~2-methylnaphthalene...	7.415	3493698	20.847 ug/ml
6) T n-Tetradecane (C14)	8.605	3305598	21.137 ug/ml
7) T n-Hexadecane (C16)	10.211	3297916	20.874 ug/ml
8) T n-Octadecane (C18)	11.652	3292852	20.557 ug/ml
10) T n-Eicosane (C20)	12.960	3248236	20.159 ug/ml
11) T n-Heneicosane (C21)	13.571	3225408	19.967 ug/ml
13) T n-Docosane (C22)	14.156	3189045	19.754 ug/ml
14) T n-Tetracosane (C24)	15.258	3115373	19.423 ug/ml
15) T n-Hexacosane (C26)	16.277	3026946	19.057 ug/ml
16) T n-Octacosane (C28)	17.225	2941392	18.748 ug/ml
17) T n-Tricontane (C30)	18.112	2932401	18.378 ug/ml
18) T n-Dotriacontane (C32)	18.943	2978648	18.892 ug/mlm
19) T n-Tetratriacontane (C34)	19.724	2865130	19.435 ug/mlm
20) T n-Hexatriacontane (C36)	20.464	2893875	20.253 ug/ml
21) T n-Octatriacontane (C38)	21.207	2914486	21.579 ug/mlm
22) T n-Tetracontane (C40)	22.135	2998397	23.753 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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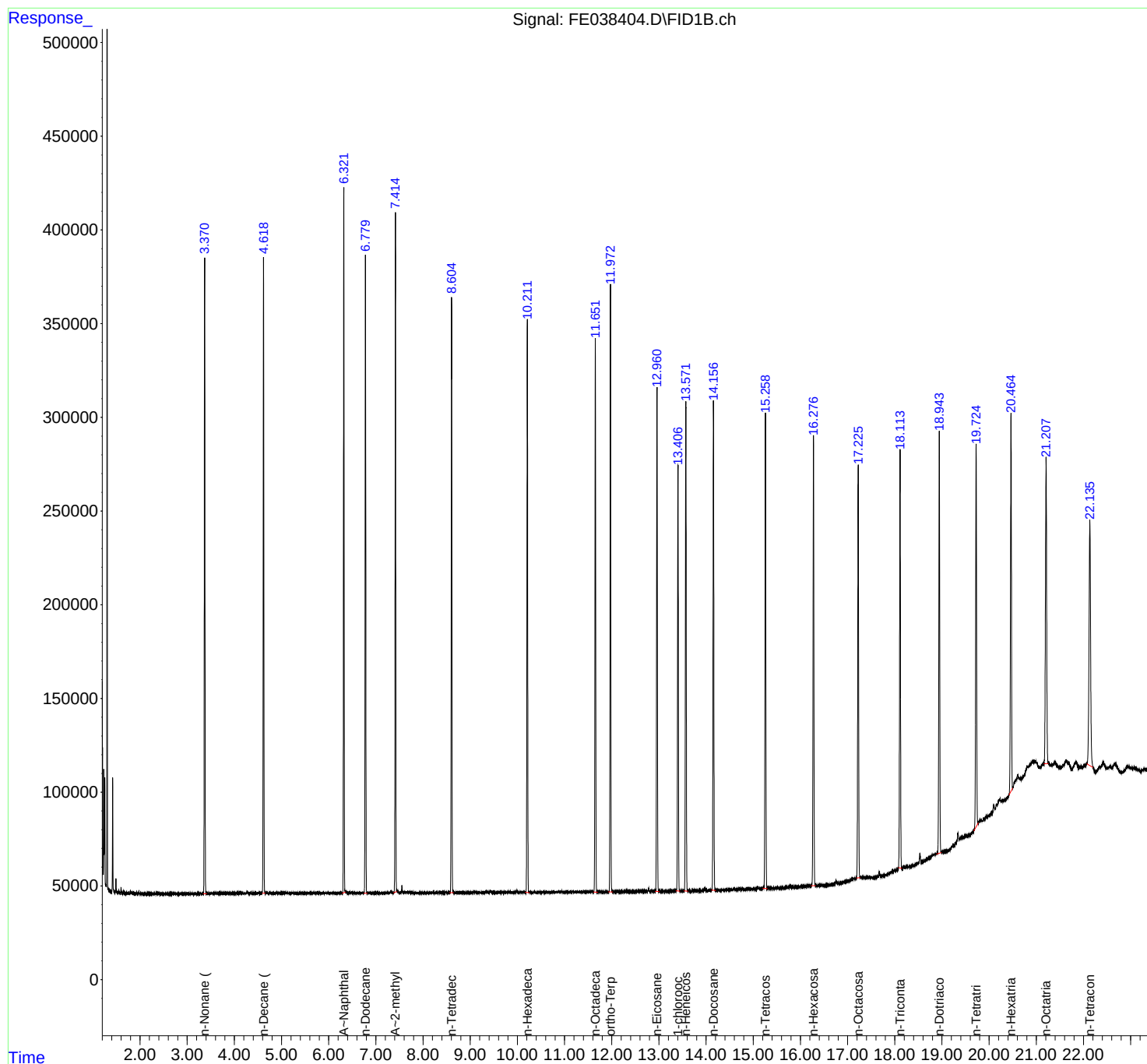
Instrument :
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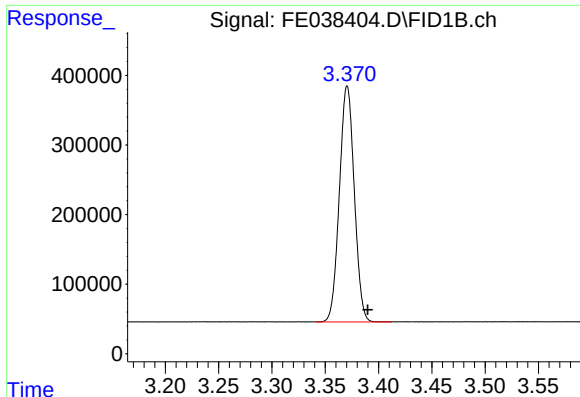
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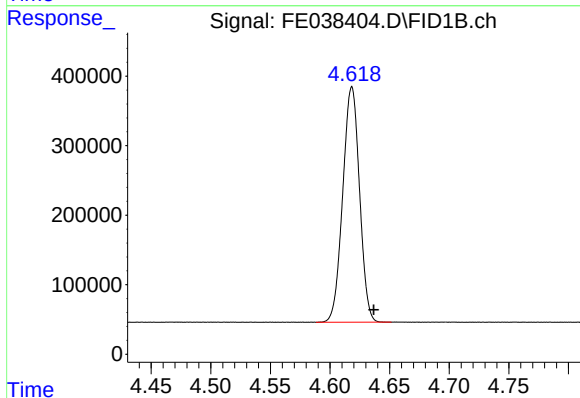
#1 n-Nonane (C9)

R.T.: 3.371 min
Delta R.T.: -0.019 min
Response: 3299336
Conc: 21.42 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

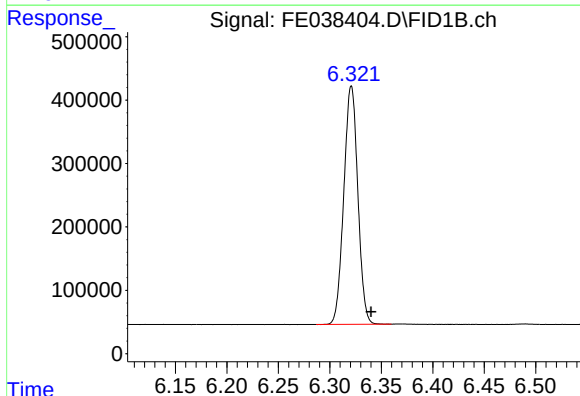
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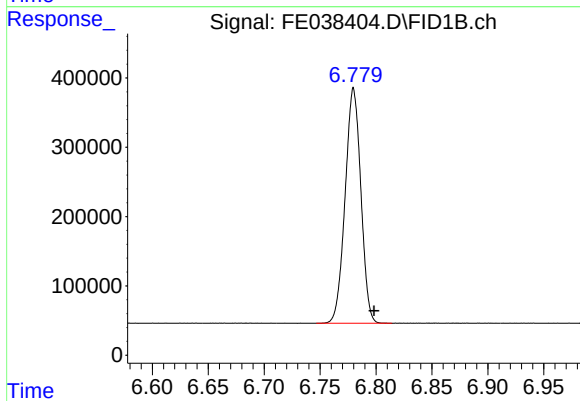
#2 n-Decane (C10)

R.T.: 4.618 min
Delta R.T.: -0.018 min
Response: 3318054
Conc: 21.38 ug/ml



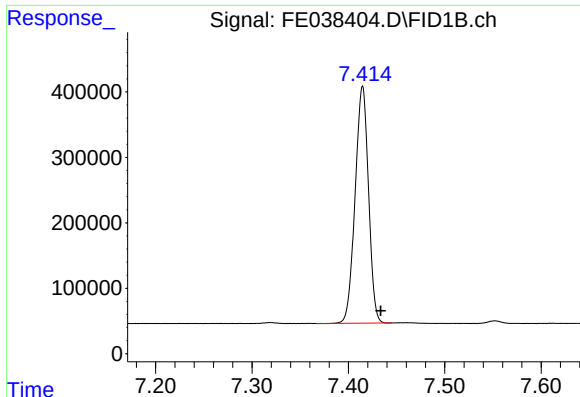
#3 A~Naphthalene (C11.7)

R.T.: 6.321 min
Delta R.T.: -0.019 min
Response: 3568665
Conc: 21.07 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.780 min
Delta R.T.: -0.018 min
Response: 3330708
Conc: 21.32 ug/ml



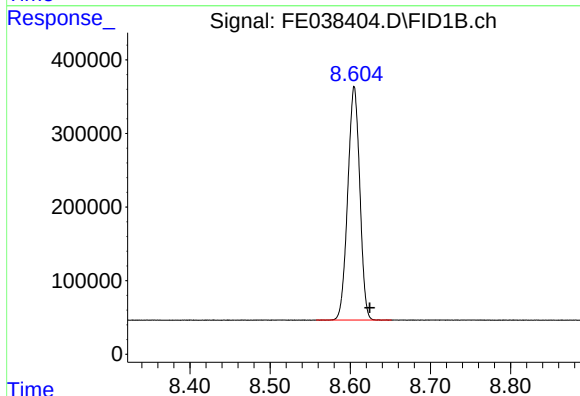
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.415 min
Delta R.T.: -0.019 min
Response: 3493698
Conc: 20.85 ug/ml

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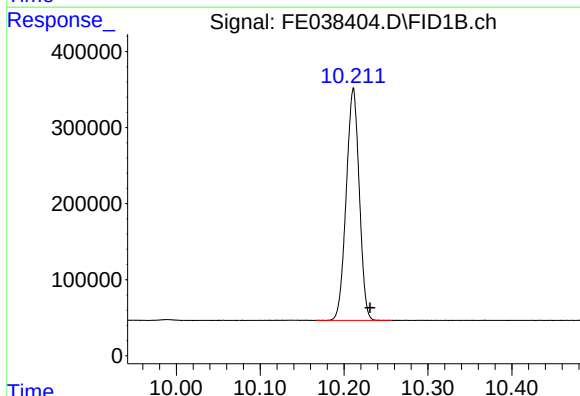
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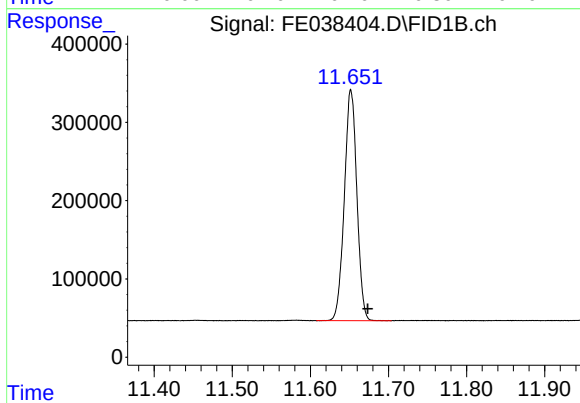
#6 n-Tetradecane (C14)

R.T.: 8.605 min
Delta R.T.: -0.019 min
Response: 3305598
Conc: 21.14 ug/ml



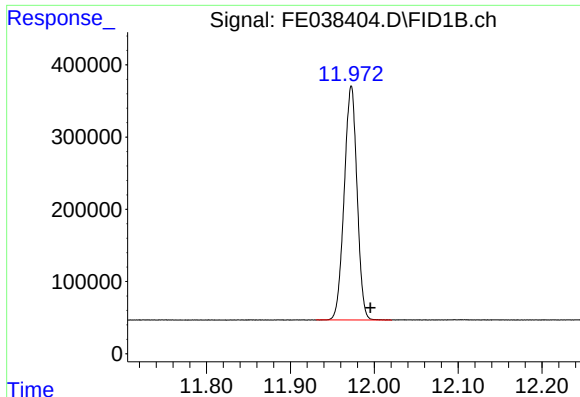
#7 n-Hexadecane (C16)

R.T.: 10.211 min
Delta R.T.: -0.020 min
Response: 3297916
Conc: 20.87 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.652 min
Delta R.T.: -0.021 min
Response: 3292852
Conc: 20.56 ug/ml



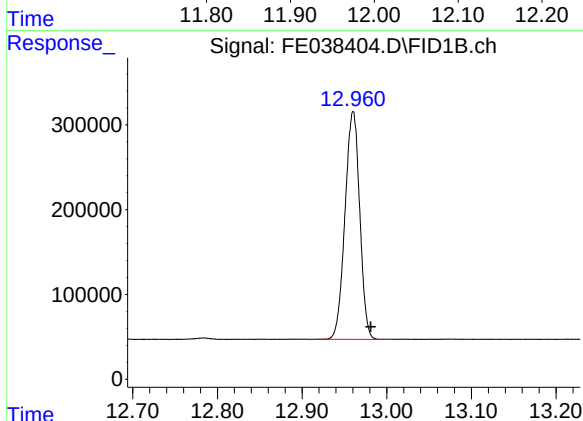
#9 ortho-Terphenyl (SURR)

R.T.: 11.973 min
Delta R.T.: -0.023 min
Response: 3452359
Conc: 20.06 ug/ml

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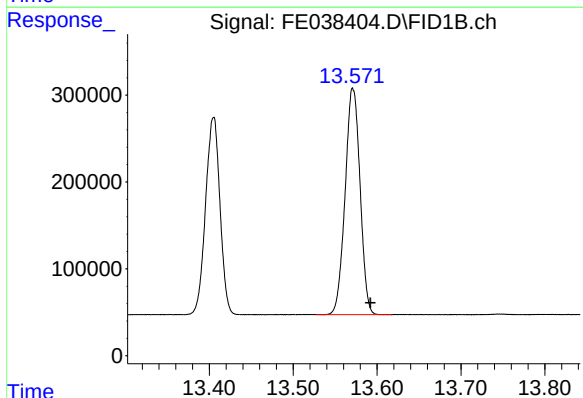
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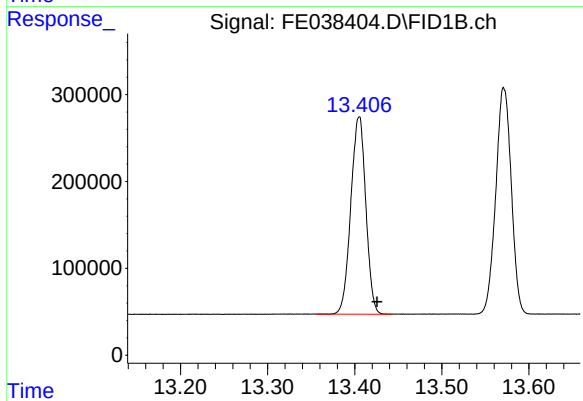
#10 n-Eicosane (C20)

R.T.: 12.960 min
Delta R.T.: -0.021 min
Response: 3248236
Conc: 20.16 ug/ml



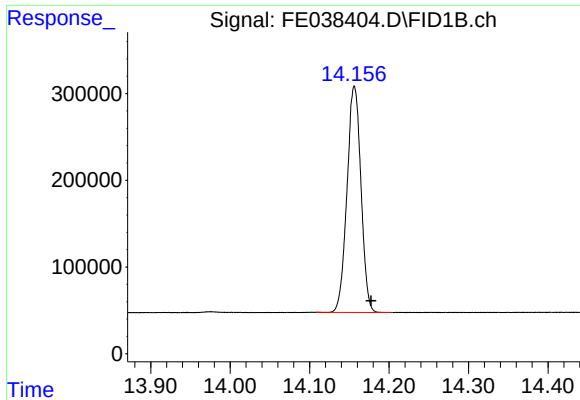
#11 n-Heneicosane (C21)

R.T.: 13.571 min
Delta R.T.: -0.021 min
Response: 3225408
Conc: 19.97 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.405 min
Delta R.T.: -0.021 min
Response: 2717329
Conc: 19.85 ug/ml



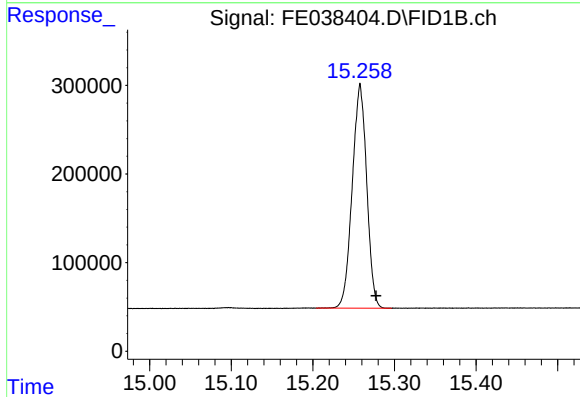
#13 n-Docosane (C22)

R.T.: 14.156 min
Delta R.T.: -0.021 min
Response: 3189045
Conc: 19.75 ug/ml

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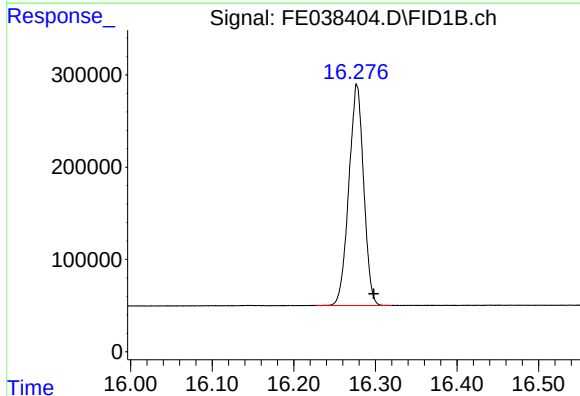
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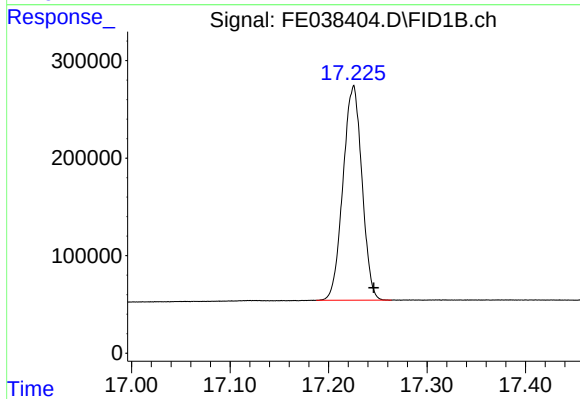
#14 n-Tetracosane (C24)

R.T.: 15.258 min
Delta R.T.: -0.019 min
Response: 3115373
Conc: 19.42 ug/ml



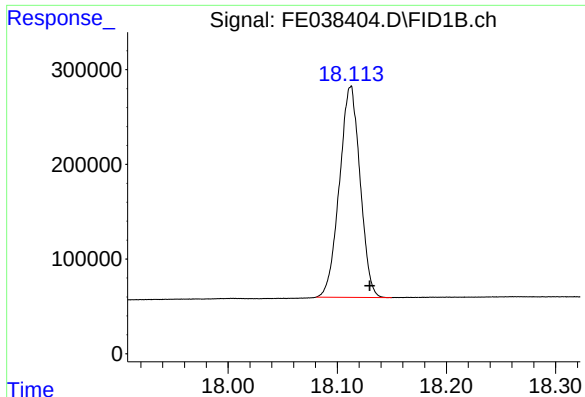
#15 n-Hexacosane (C26)

R.T.: 16.277 min
Delta R.T.: -0.021 min
Response: 3026946
Conc: 19.06 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.225 min
Delta R.T.: -0.020 min
Response: 2941392
Conc: 18.75 ug/ml



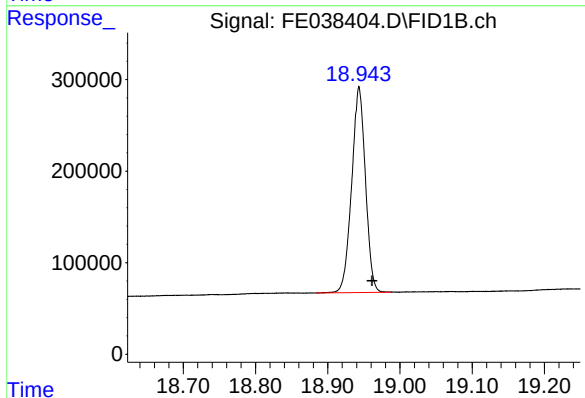
#17 n-Tricontane (C30)

R.T.: 18.112 min
Delta R.T.: -0.018 min
Response: 2932401
Conc: 18.38 ug/ml

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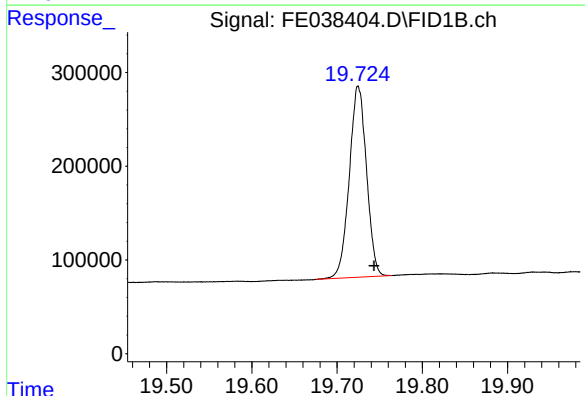
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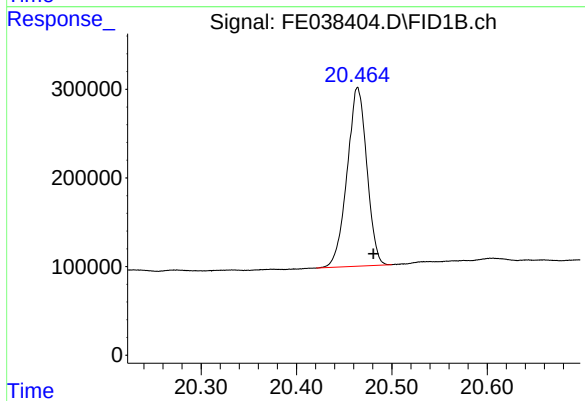
#18 n-Dotriacontane (C32)

R.T.: 18.943 min
Delta R.T.: -0.018 min
Response: 2978648
Conc: 18.89 ug/ml m



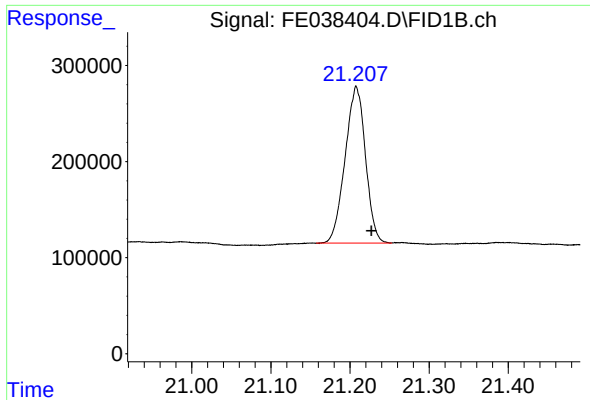
#19 n-Tetratriacontane (C34)

R.T.: 19.724 min
Delta R.T.: -0.019 min
Response: 2865130
Conc: 19.43 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.464 min
Delta R.T.: -0.017 min
Response: 2893875
Conc: 20.25 ug/ml



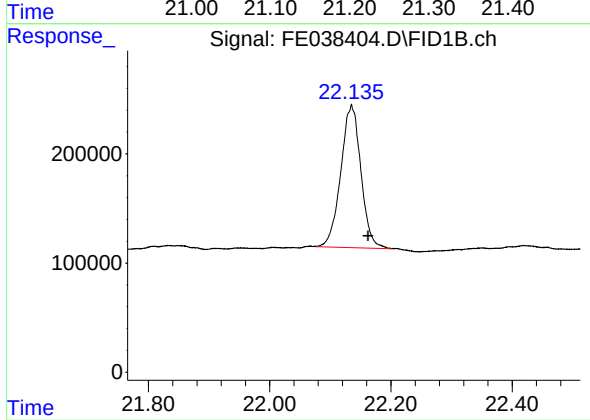
#21 n-Octatriacontane (C38)

R.T.: 21.207 min
Delta R.T.: -0.020 min
Response: 2914486
Conc: 21.58 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.135 min
Delta R.T.: -0.027 min
Response: 2998397
Conc: 23.75 ug/ml m