

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE102822AL\
 Data File : FE038427.D
 Signal(s) : FID1B.ch
 Acq On : 29 Oct 2022 10:57
 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 10/31/2022
 Supervised By :Ankita Jodhani 10/31/2022

Integration File: autoint1.e
 Quant Time: Oct 30 00:38:45 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)	11.971	3357767	19.514 ug/ml
Spiked Amount 50.000		Recovery =	39.03%
12) S 1-chlorooctadecane (S...	13.403	2644474	19.317 ug/ml
Spiked Amount 50.000		Recovery =	38.63%
Target Compounds			
1) T n-Nonane (C9)	3.369	3237560	21.021 ug/ml
2) T n-Decane (C10)	4.617	3259324	20.998 ug/ml
3) T A~Naphthalene (C11.7)	6.319	3496690	20.647 ug/ml
4) T n-Dodecane (C12)	6.778	3273098	20.952 ug/ml
5) T A~2-methylnaphthalene...	7.413	3427667	20.453 ug/ml
6) T n-Tetradecane (C14)	8.604	3245651	20.754 ug/ml
7) T n-Hexadecane (C16)	10.210	3233132	20.464 ug/ml
8) T n-Octadecane (C18)	11.651	3220519	20.106 ug/ml
10) T n-Eicosane (C20)	12.959	3162067	19.625 ug/ml
11) T n-Heneicosane (C21)	13.570	3134796	19.406 ug/ml
13) T n-Docosane (C22)	14.155	3096221	19.179 ug/ml
14) T n-Tetracosane (C24)	15.257	3010509	18.769 ug/ml
15) T n-Hexacosane (C26)	16.275	2930275	18.448 ug/ml
16) T n-Octacosane (C28)	17.224	2860963	18.235 ug/ml
17) T n-Tricontane (C30)	18.109	2879472	18.047 ug/mlm
18) T n-Dotriacontane (C32)	18.941	2927796	18.569 ug/ml
19) T n-Tetratriacontane (C34)	19.723	2789596	18.922 ug/mlm
20) T n-Hexatriacontane (C36)	20.462	2930231	20.508 ug/ml
21) T n-Octatriacontane (C38)	21.204	2848567	21.091 ug/ml
22) T n-Tetracontane (C40)	22.128	3134939	24.835 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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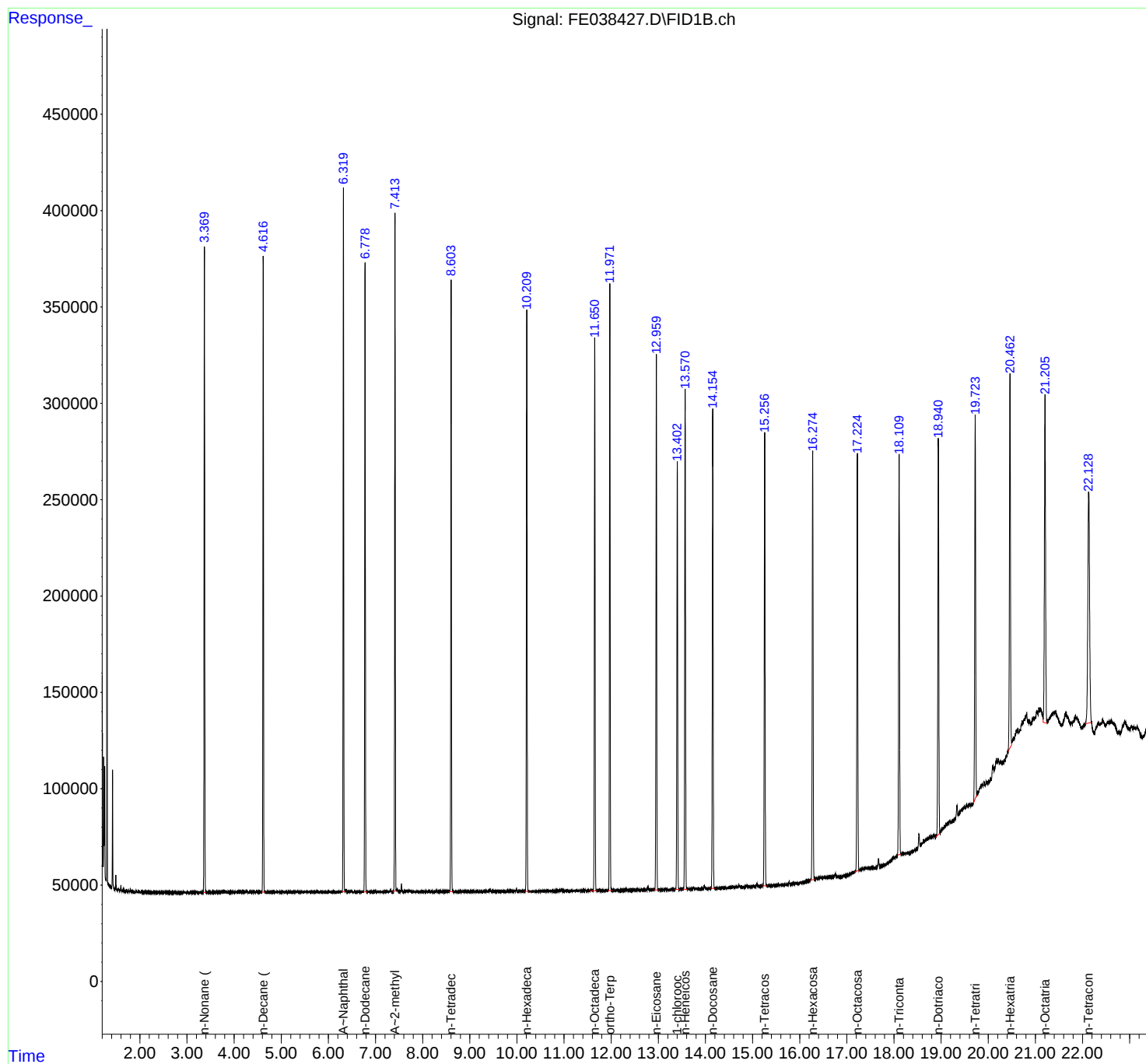
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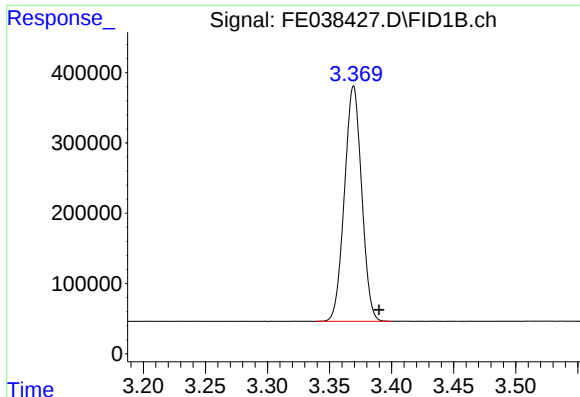
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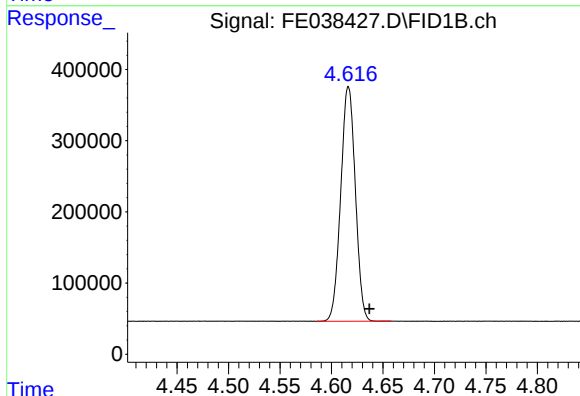
#1 n-Nonane (C9)

R.T.: 3.369 min
Delta R.T.: -0.021 min
Response: 3237560
Conc: 21.02 ug/ml

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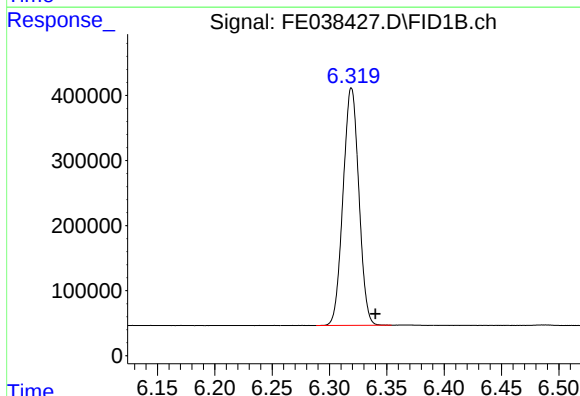
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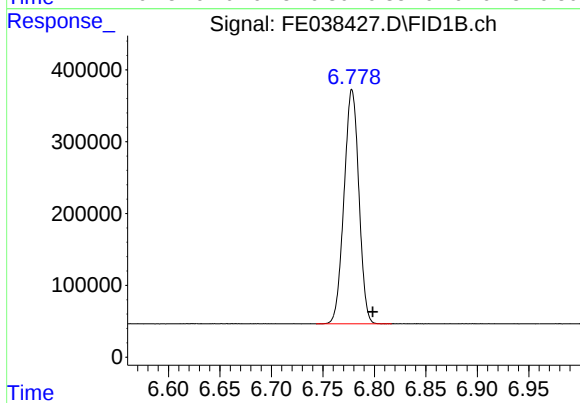
#2 n-Decane (C10)

R.T.: 4.617 min
Delta R.T.: -0.020 min
Response: 3259324
Conc: 21.00 ug/ml



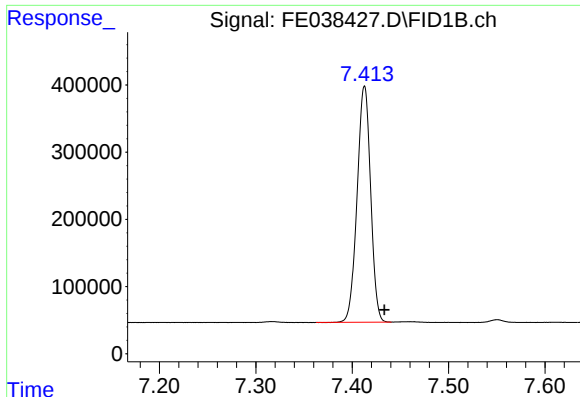
#3 A~Naphthalene (C11.7)

R.T.: 6.319 min
Delta R.T.: -0.021 min
Response: 3496690
Conc: 20.65 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.778 min
Delta R.T.: -0.020 min
Response: 3273098
Conc: 20.95 ug/ml



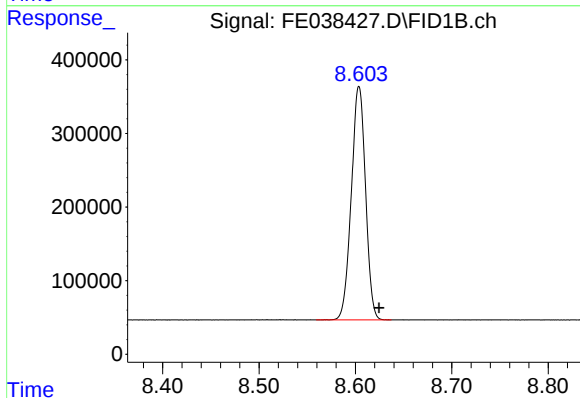
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.413 min
Delta R.T.: -0.021 min
Response: 3427667
Conc: 20.45 ug/ml

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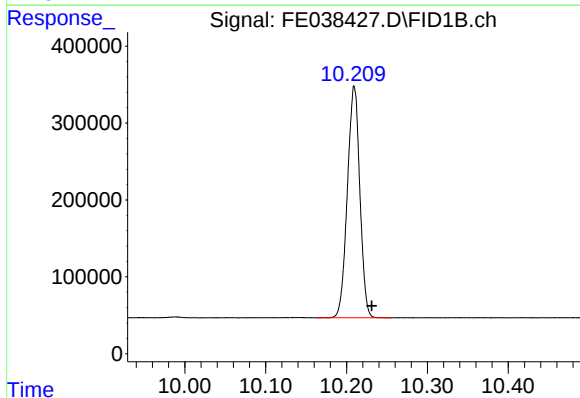
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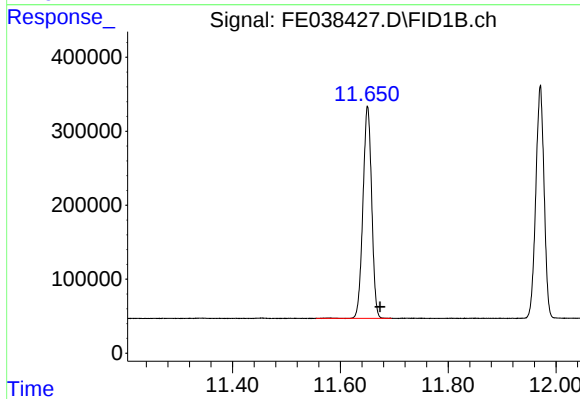
#6 n-Tetradecane (C14)

R.T.: 8.604 min
Delta R.T.: -0.021 min
Response: 3245651
Conc: 20.75 ug/ml



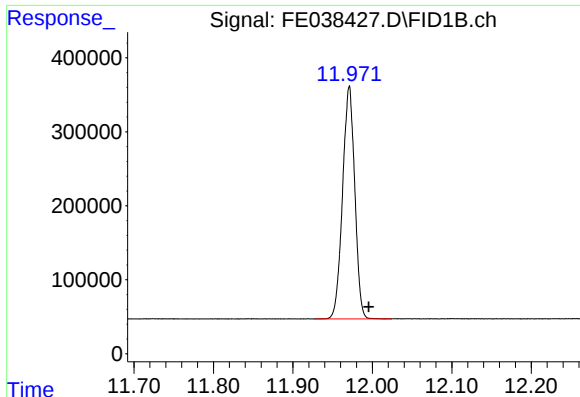
#7 n-Hexadecane (C16)

R.T.: 10.210 min
Delta R.T.: -0.021 min
Response: 3233132
Conc: 20.46 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.651 min
Delta R.T.: -0.023 min
Response: 3220519
Conc: 20.11 ug/ml



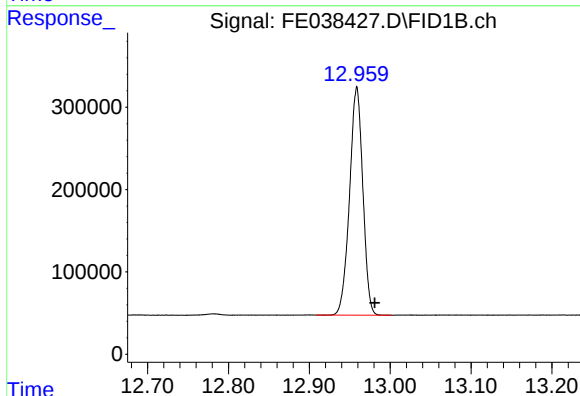
#9 ortho-Terphenyl (SURR)

R.T.: 11.971 min
Delta R.T.: -0.024 min
Response: 3357767
Conc: 19.51 ug/ml

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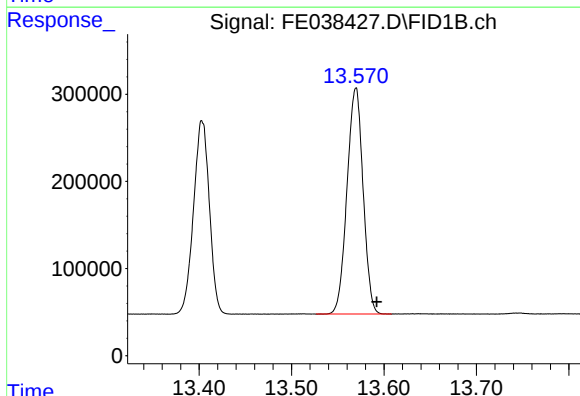
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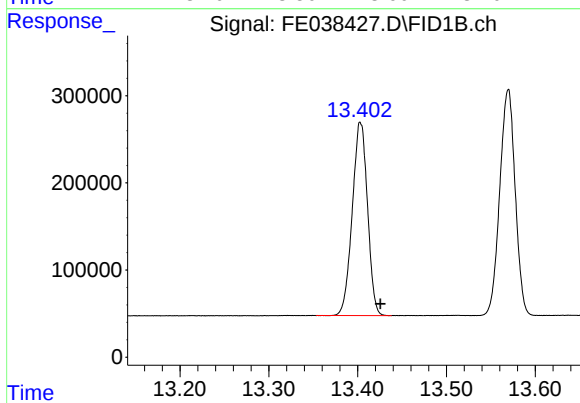
#10 n-Eicosane (C20)

R.T.: 12.959 min
Delta R.T.: -0.022 min
Response: 3162067
Conc: 19.62 ug/ml



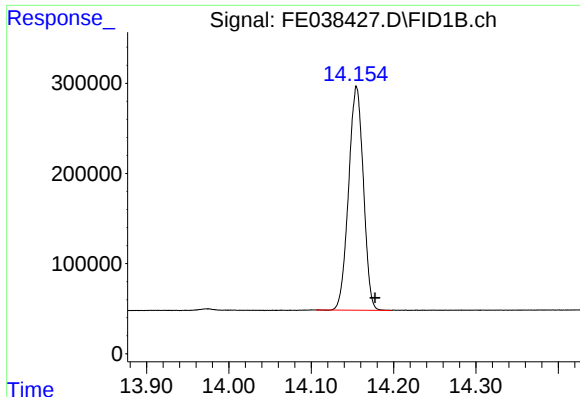
#11 n-Heneicosane (C21)

R.T.: 13.570 min
Delta R.T.: -0.022 min
Response: 3134796
Conc: 19.41 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.403 min
Delta R.T.: -0.023 min
Response: 2644474
Conc: 19.32 ug/ml



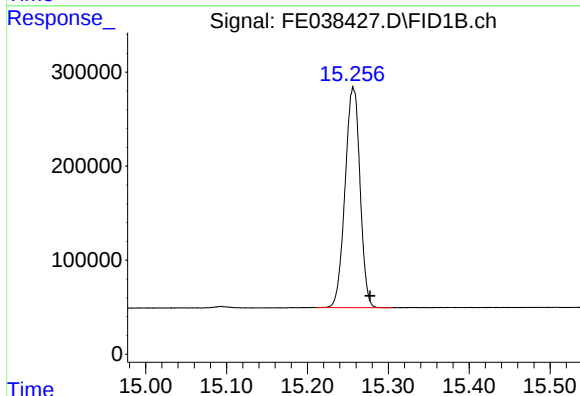
#13 n-Docosane (C22)

R.T.: 14.155 min
Delta R.T.: -0.022 min
Response: 3096221
Conc: 19.18 ug/ml

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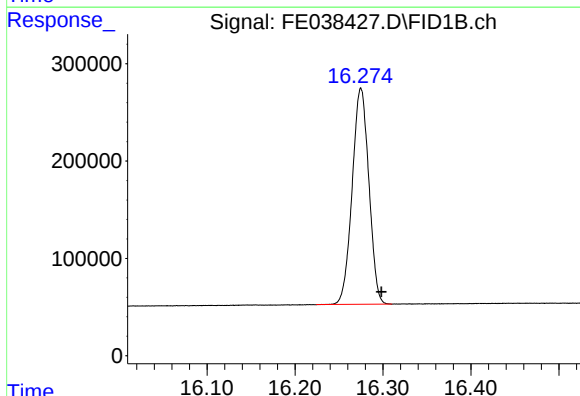
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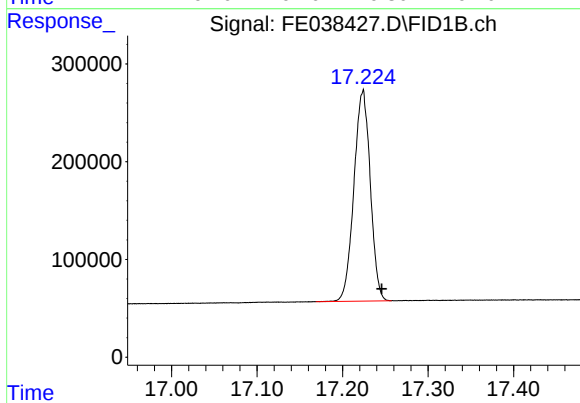
#14 n-Tetracosane (C24)

R.T.: 15.257 min
Delta R.T.: -0.021 min
Response: 3010509
Conc: 18.77 ug/ml



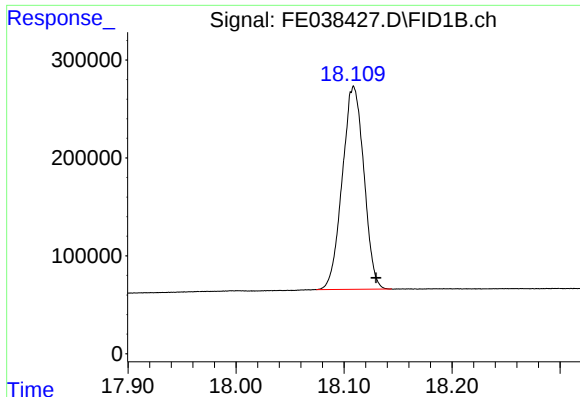
#15 n-Hexacosane (C26)

R.T.: 16.275 min
Delta R.T.: -0.023 min
Response: 2930275
Conc: 18.45 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.224 min
Delta R.T.: -0.022 min
Response: 2860963
Conc: 18.24 ug/ml



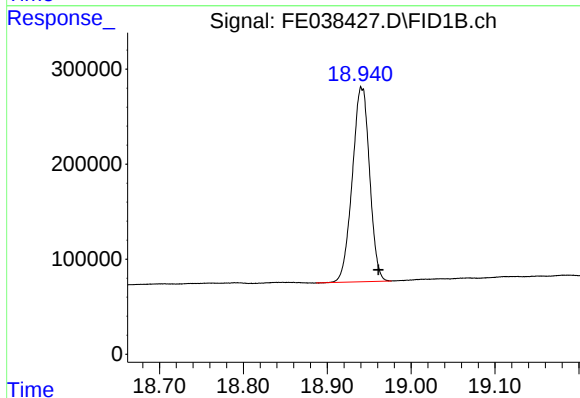
#17 n-Tricontane (C30)

R.T.: 18.109 min
Delta R.T.: -0.021 min
Response: 2879472
Conc: 18.05 ug/ml

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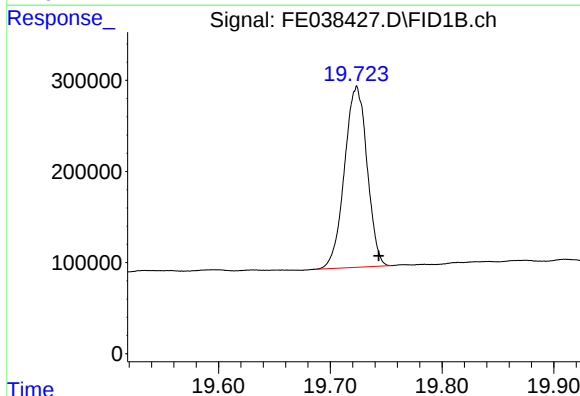
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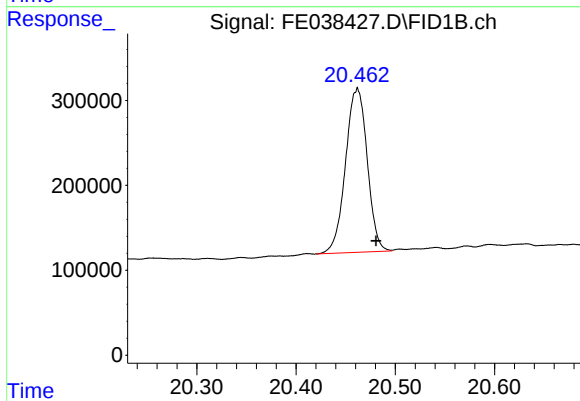
#18 n-Dotriacontane (C32)

R.T.: 18.941 min
Delta R.T.: -0.020 min
Response: 2927796
Conc: 18.57 ug/ml



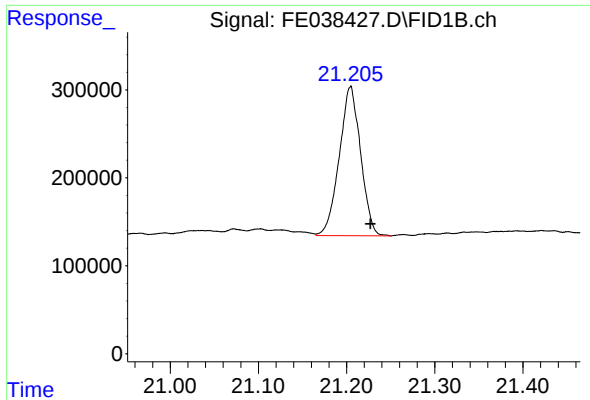
#19 n-Tetratriacontane (C34)

R.T.: 19.723 min
Delta R.T.: -0.020 min
Response: 2789596
Conc: 18.92 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.462 min
Delta R.T.: -0.019 min
Response: 2930231
Conc: 20.51 ug/ml



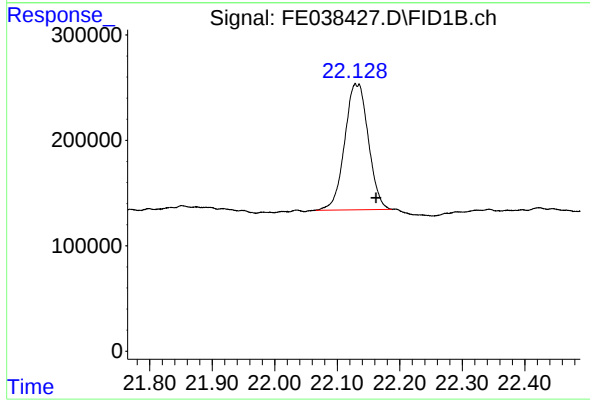
#21 n-Octatriacontane (C38)

R.T.: 21.204 min
Delta R.T.: -0.023 min
Response: 2848567
Conc: 21.09 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.128 min
Delta R.T.: -0.034 min
Response: 3134939
Conc: 24.84 ug/ml m