

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE102822AL\
 Data File : FE038421.D
 Signal(s) : FID1B.ch
 Acq On : 29 Oct 2022 07:54
 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 08:19:21 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)	11.970	3553977	20.654 ug/ml
Spiked Amount 50.000		Recovery =	41.31%
12) S 1-chlorooctadecane (S...	13.403	2801932	20.467 ug/ml
Spiked Amount 50.000		Recovery =	40.93%
Target Compounds			
1) T n-Nonane (C9)	3.369	3386790	21.990 ug/ml
2) T n-Decane (C10)	4.616	3409636	21.966 ug/ml
3) T A~Naphthalene (C11.7)	6.319	3681424	21.738 ug/ml
4) T n-Dodecane (C12)	6.778	3422090	21.906 ug/ml
5) T A~2-methylnaphthalene...	7.412	3600083	21.482 ug/ml
6) T n-Tetradecane (C14)	8.603	3399267	21.736 ug/ml
7) T n-Hexadecane (C16)	10.209	3395078	21.489 ug/ml
8) T n-Octadecane (C18)	11.650	3387480	21.148 ug/ml
10) T n-Eicosane (C20)	12.959	3341591	20.739 ug/ml
11) T n-Heneicosane (C21)	13.570	3318536	20.544 ug/ml
13) T n-Docosane (C22)	14.155	3290245	20.380 ug/ml
14) T n-Tetracosane (C24)	15.256	3199785	19.949 ug/ml
15) T n-Hexacosane (C26)	16.275	3118328	19.632 ug/ml
16) T n-Octacosane (C28)	17.224	3038648	19.368 ug/ml
17) T n-Tricontane (C30)	18.110	3020274	18.929 ug/ml
18) T n-Dotriacontane (C32)	18.943	3074777	19.501 ug/ml
19) T n-Tetratriacontane (C34)	19.723	2982786	20.233 ug/mlm
20) T n-Hexatriacontane (C36)	20.462	3025822	21.177 ug/ml
21) T n-Octatriacontane (C38)	21.206	2997528	22.193 ug/mlm
22) T n-Tetracontane (C40)	22.135	3097816	24.541 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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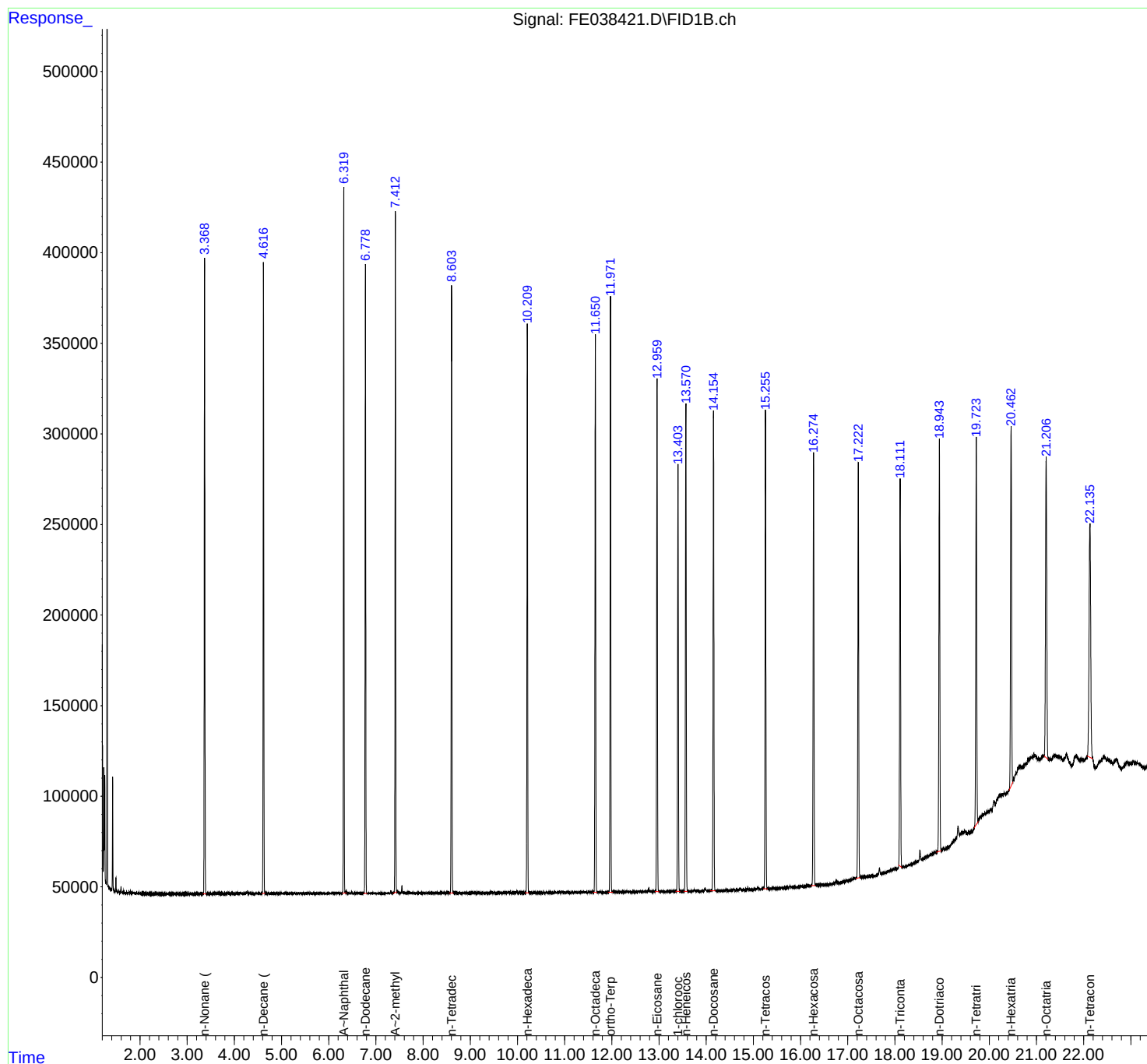
Instrument :
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20 PPM ALIPHATIC HC STD

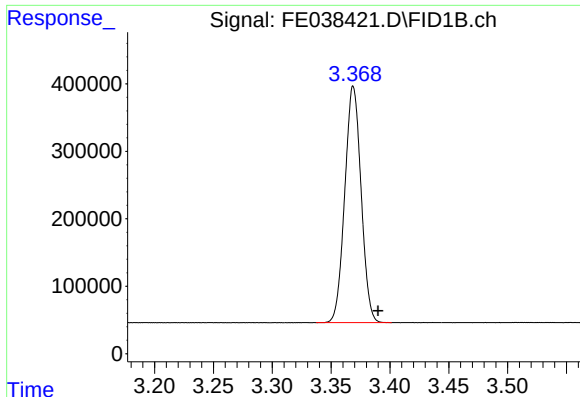
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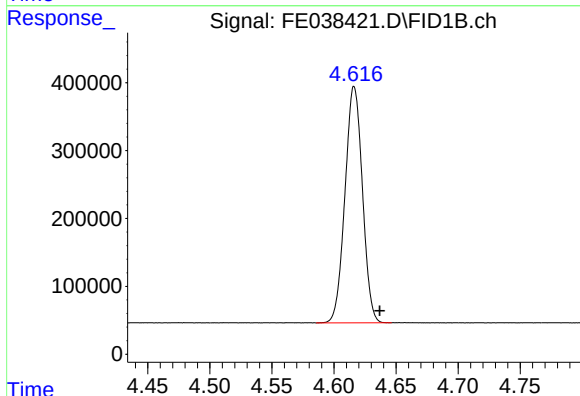
#1 n-Nonane (C9)

R.T.: 3.369 min
Delta R.T.: -0.021 min
Response: 3386790
Conc: 21.99 ug/ml

Instrument :
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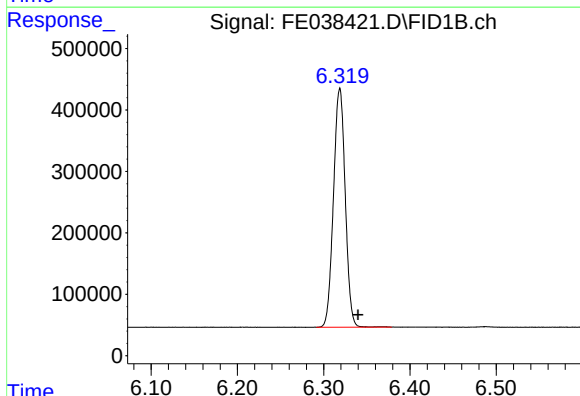
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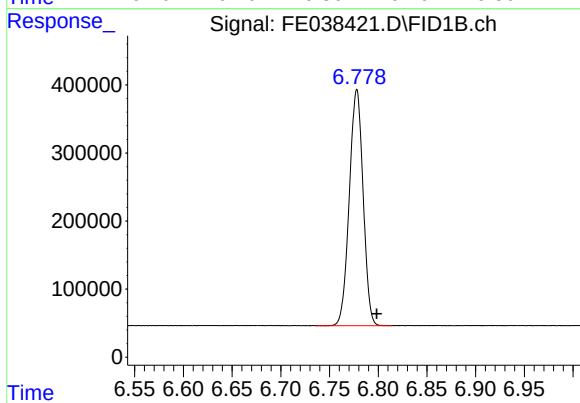
#2 n-Decane (C10)

R.T.: 4.616 min
Delta R.T.: -0.020 min
Response: 3409636
Conc: 21.97 ug/ml



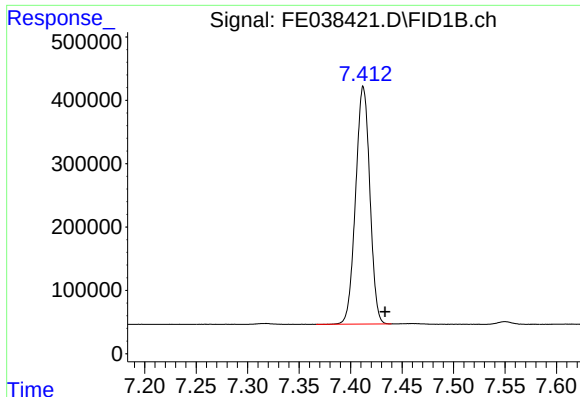
#3 A~Naphthalene (C11.7)

R.T.: 6.319 min
Delta R.T.: -0.021 min
Response: 3681424
Conc: 21.74 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.778 min
Delta R.T.: -0.020 min
Response: 3422090
Conc: 21.91 ug/ml



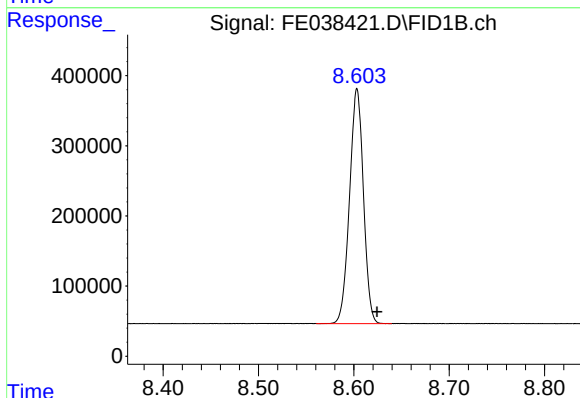
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.412 min
Delta R.T.: -0.021 min
Response: 3600083
Conc: 21.48 ug/ml

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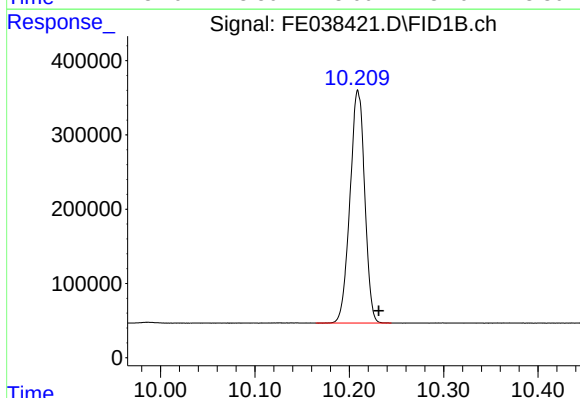
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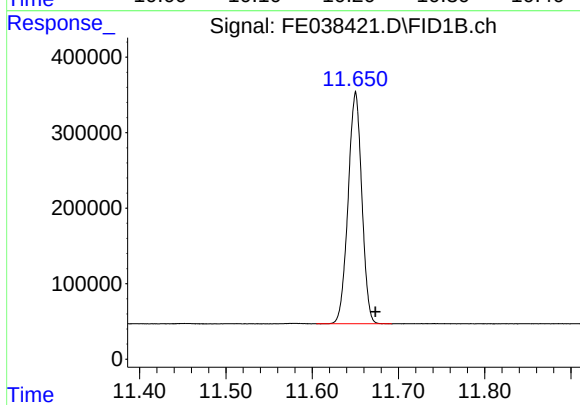
#6 n-Tetradecane (C14)

R.T.: 8.603 min
Delta R.T.: -0.021 min
Response: 3399267
Conc: 21.74 ug/ml



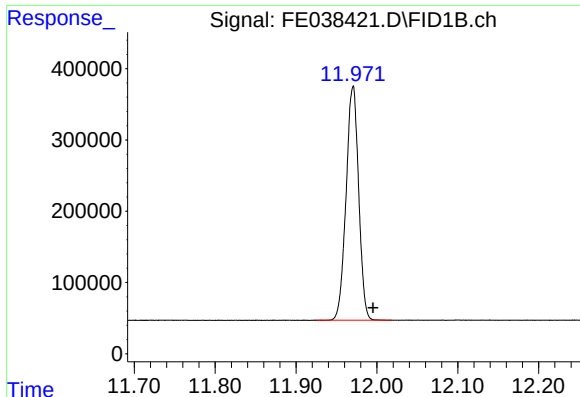
#7 n-Hexadecane (C16)

R.T.: 10.209 min
Delta R.T.: -0.022 min
Response: 3395078
Conc: 21.49 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.650 min
Delta R.T.: -0.023 min
Response: 3387480
Conc: 21.15 ug/ml



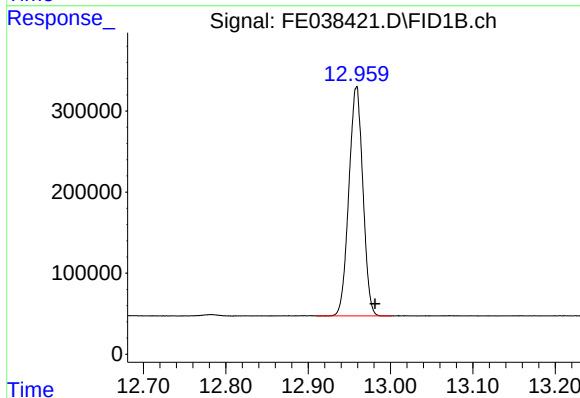
#9 ortho-Terphenyl (SURR)

R.T.: 11.970 min
Delta R.T.: -0.025 min
Response: 3553977
Conc: 20.65 ug/ml

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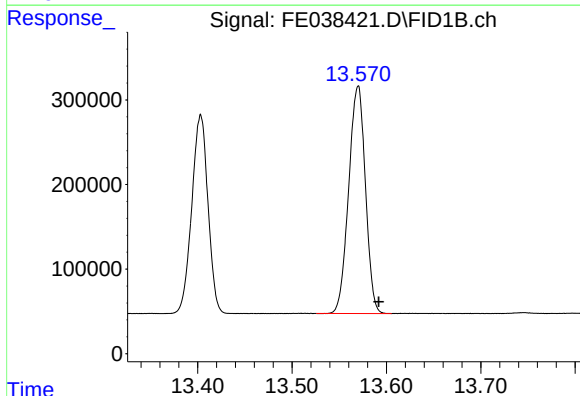
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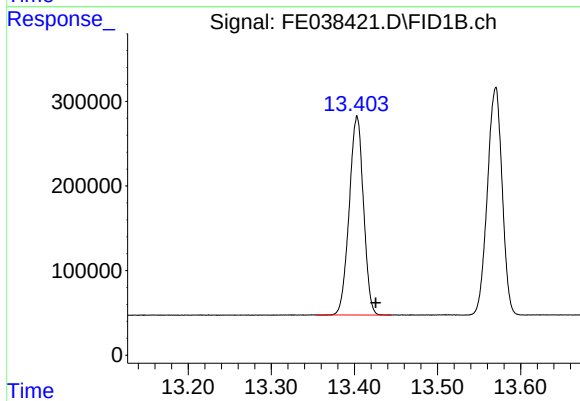
#10 n-Eicosane (C20)

R.T.: 12.959 min
Delta R.T.: -0.022 min
Response: 3341591
Conc: 20.74 ug/ml



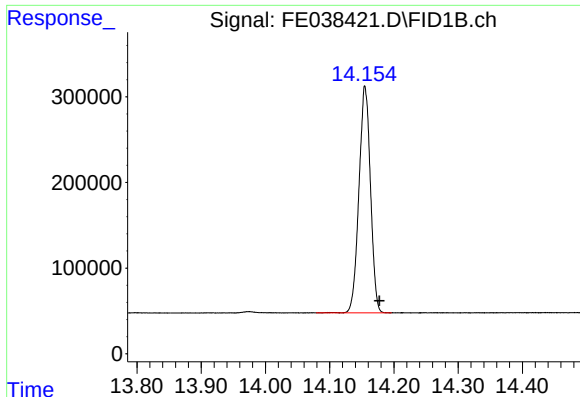
#11 n-Heneicosane (C21)

R.T.: 13.570 min
Delta R.T.: -0.022 min
Response: 3318536
Conc: 20.54 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.403 min
Delta R.T.: -0.022 min
Response: 2801932
Conc: 20.47 ug/ml



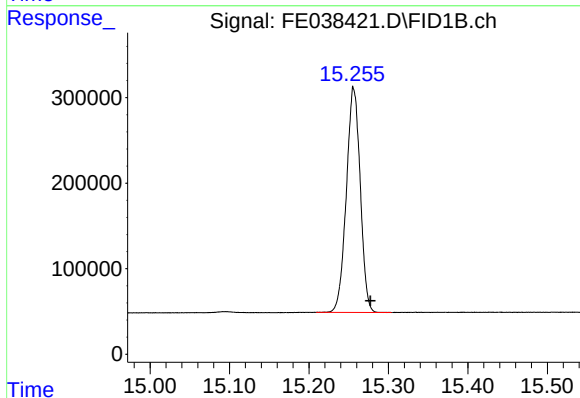
#13 n-Docosane (C22)

R.T.: 14.155 min
Delta R.T.: -0.023 min
Response: 3290245
Conc: 20.38 ug/ml

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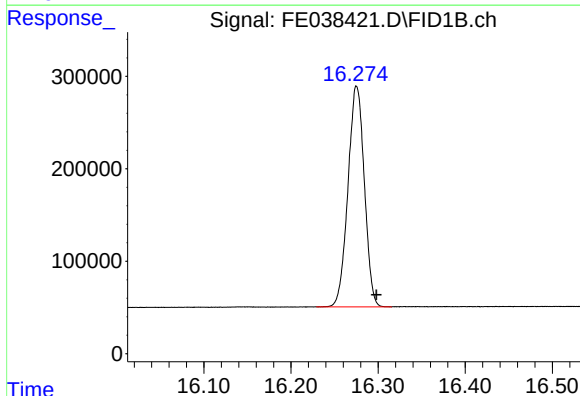
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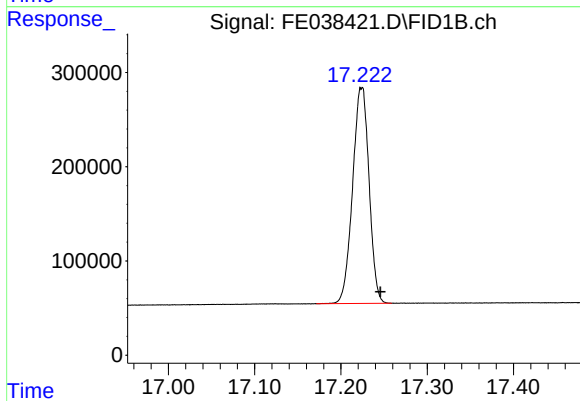
#14 n-Tetracosane (C24)

R.T.: 15.256 min
Delta R.T.: -0.021 min
Response: 3199785
Conc: 19.95 ug/ml



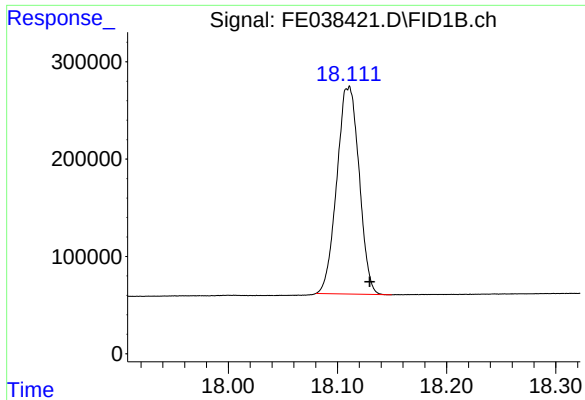
#15 n-Hexacosane (C26)

R.T.: 16.275 min
Delta R.T.: -0.023 min
Response: 3118328
Conc: 19.63 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.224 min
Delta R.T.: -0.022 min
Response: 3038648
Conc: 19.37 ug/ml



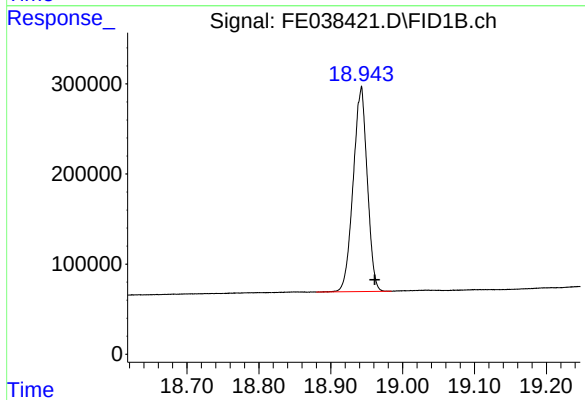
#17 n-Tricontane (C30)

R.T.: 18.110 min
Delta R.T.: -0.020 min
Response: 3020274
Conc: 18.93 ug/ml

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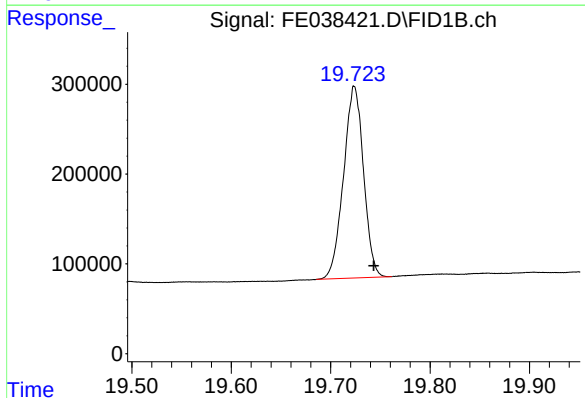
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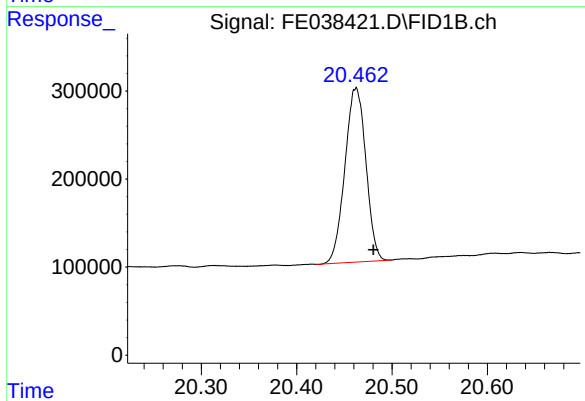
#18 n-Dotriacontane (C32)

R.T.: 18.943 min
Delta R.T.: -0.019 min
Response: 3074777
Conc: 19.50 ug/ml



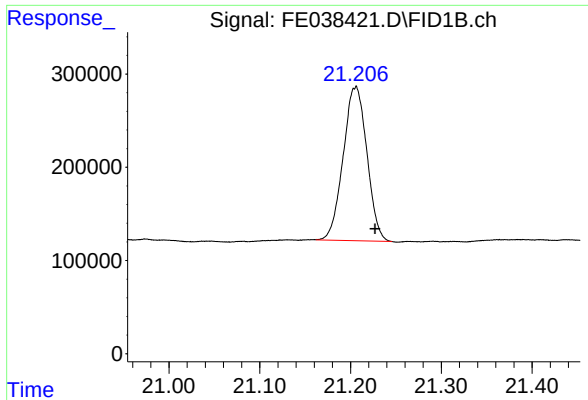
#19 n-Tetratriacontane (C34)

R.T.: 19.723 min
Delta R.T.: -0.021 min
Response: 2982786
Conc: 20.23 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.462 min
Delta R.T.: -0.019 min
Response: 3025822
Conc: 21.18 ug/ml



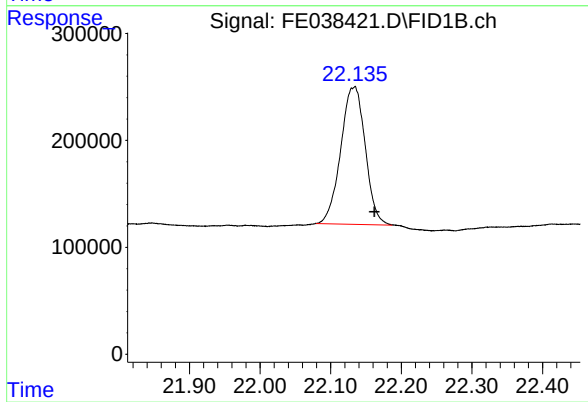
#21 n-Octatriacontane (C38)

R.T.: 21.206 min
Delta R.T.: -0.021 min
Response: 2997528
Conc: 22.19 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.135 min
Delta R.T.: -0.028 min
Response: 3097816
Conc: 24.54 ug/ml m