

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112724AL\
 Data File : FE051477.D
 Signal(s) : FID1B.ch
 Acq On : 27 Nov 2024 07:21
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/02/2024
 Supervised By :Ankita Jodhani 12/02/2024

Integration File: sample.E
 Quant Time: Nov 28 03:03:54 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
 Quant Title : GC Extractables
 Qlast Update : Thu Nov 07 04:56:04 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)	11.832	3267394	21.769 ug/ml
Spiked Amount 50.000		Recovery =	43.54%
12) S 1-chlorooctadecane (S...	13.265	2494538	21.972 ug/ml
Spiked Amount 50.000		Recovery =	43.94%
Target Compounds			
1) T n-Nonane (C9)	3.224	3027679	21.881 ug/ml
2) T n-Decane (C10)	4.472	3090654	22.048 ug/ml
3) T A~Naphthalene (C11.7)	6.186	3063614	23.236 ug/ml
4) T n-Dodecane (C12)	6.638	3089701	21.882 ug/ml
5) T A~2-methylnaphthalene...	7.282	2821330	22.554 ug/ml
6) T n-Tetradecane (C14)	8.465	3018455	21.659 ug/ml
7) T n-Hexadecane (C16)	10.069	3064793	21.597 ug/ml
8) T n-Octadecane (C18)	11.511	3101812	21.721 ug/ml
10) T n-Eicosane (C20)	12.818	2962532	21.647 ug/ml
11) T n-Heneicosane (C21)	13.429	2916764	21.825 ug/ml
13) T n-Docosane (C22)	14.014	2912497	21.907 ug/ml
14) T n-Tetracosane (C24)	15.115	2908048	21.921 ug/ml
15) T n-Hexacosane (C26)	16.134	2877237	21.493 ug/ml
16) T n-Octacosane (C28)	17.082	2857978	20.964 ug/ml
17) T n-Tricontane (C30)	17.969	2916066	20.071 ug/ml
18) T n-Dotriacontane (C32)	18.801	2882830	19.415 ug/ml
19) T n-Tetratriacontane (C34)	19.583	2532478	18.848 ug/ml
20) T n-Hexatriacontane (C36)	20.323	2236284	18.742 ug/ml
21) T n-Octatriacontane (C38)	21.042	2107457	18.516 ug/mlm
22) T n-Tetracontane (C40)	21.915	2187689	19.670 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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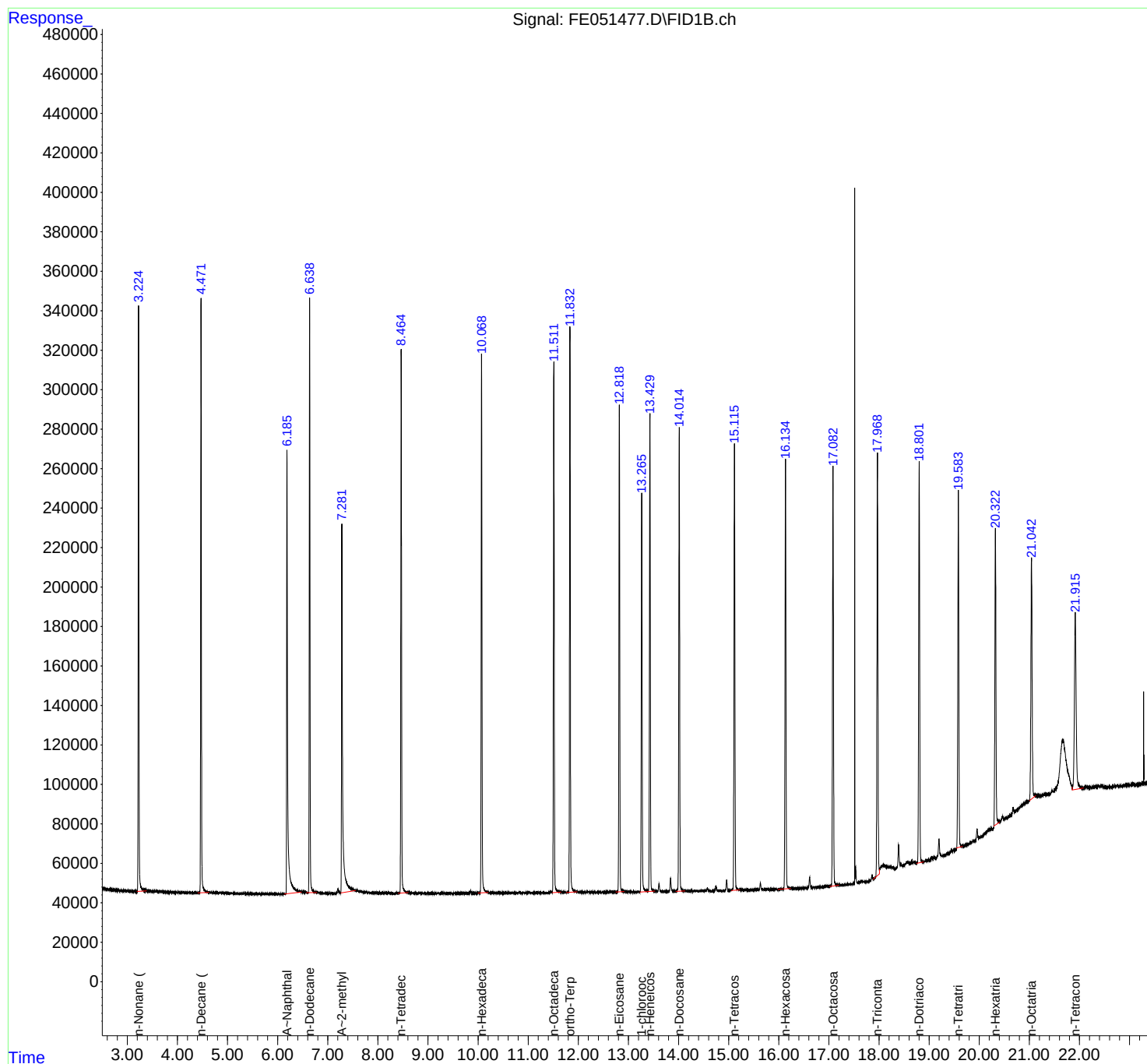
Instrument :
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20 PPM ALIPHATIC HC STD

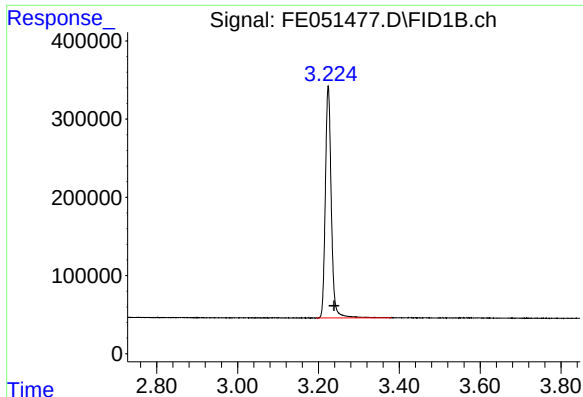
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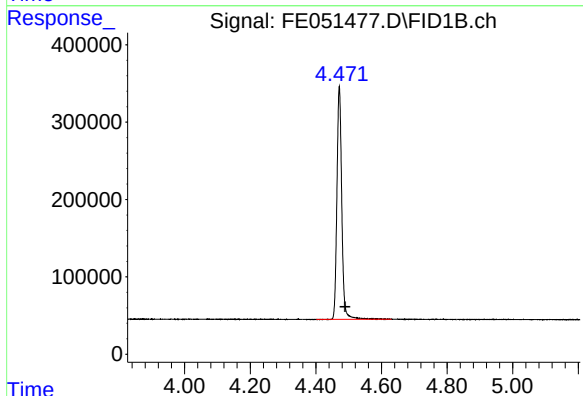
#1 n-Nonane (C9)

R.T.: 3.224 min
Delta R.T.: -0.015 min
Response: 3027679
Conc: 21.88 ug/ml

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20 PPM ALIPHATIC HC STD

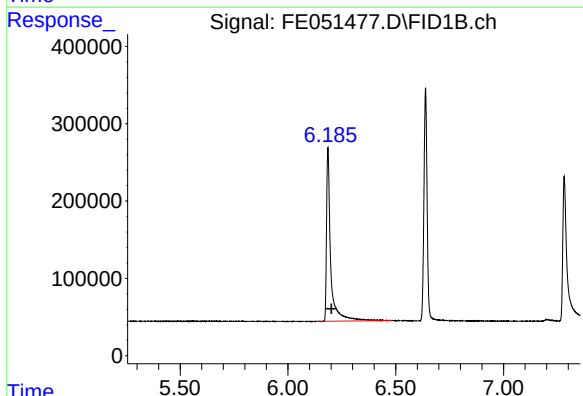
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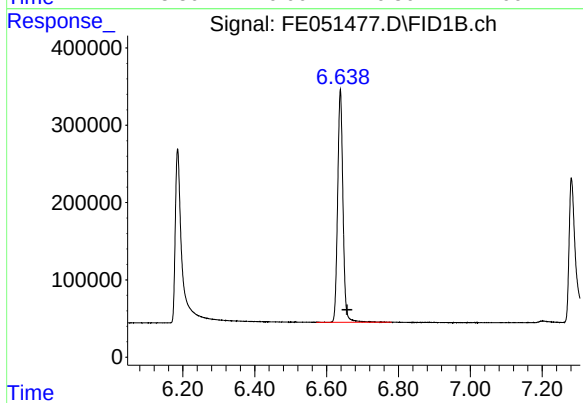
#2 n-Decane (C10)

R.T.: 4.472 min
Delta R.T.: -0.018 min
Response: 3090654
Conc: 22.05 ug/ml



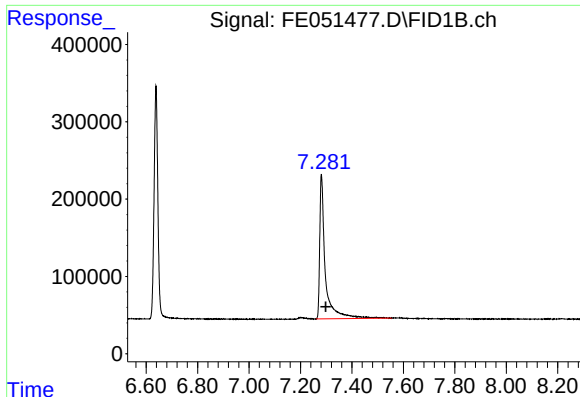
#3 A~Naphthalene (C11.7)

R.T.: 6.186 min
Delta R.T.: -0.016 min
Response: 3063614
Conc: 23.24 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.638 min
Delta R.T.: -0.019 min
Response: 3089701
Conc: 21.88 ug/ml



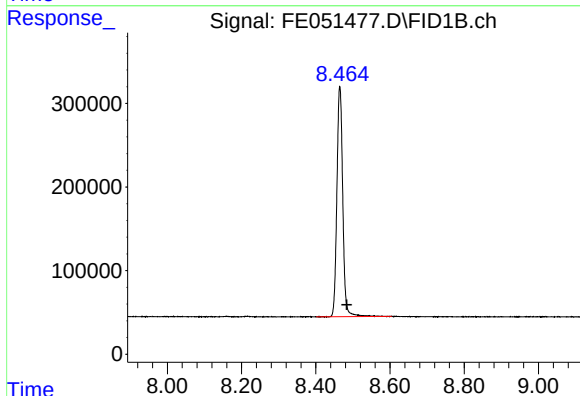
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.282 min
Delta R.T.: -0.016 min
Response: 2821330
Conc: 22.55 ug/ml

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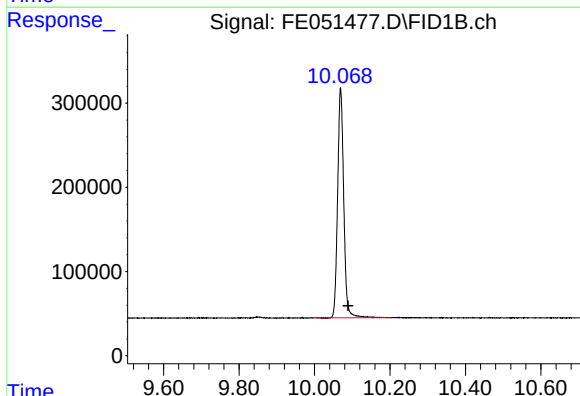
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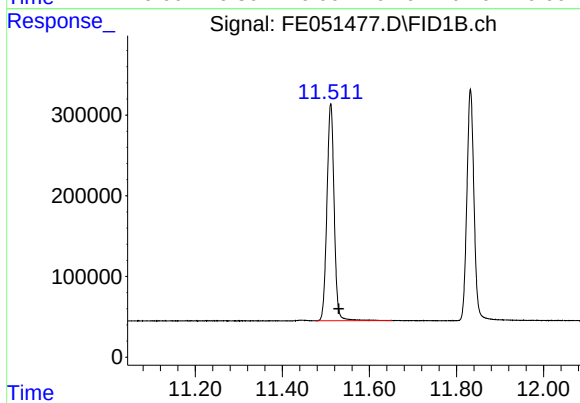
#6 n-Tetradecane (C14)

R.T.: 8.465 min
Delta R.T.: -0.018 min
Response: 3018455
Conc: 21.66 ug/ml



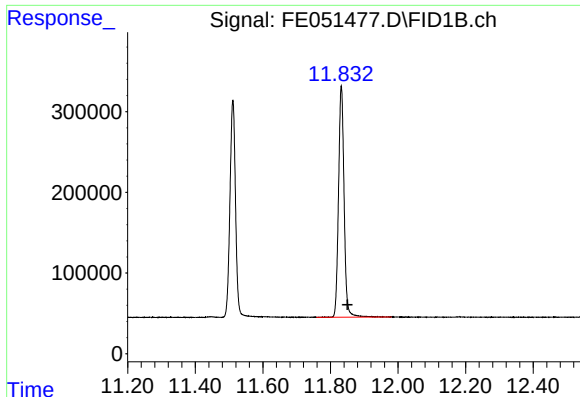
#7 n-Hexadecane (C16)

R.T.: 10.069 min
Delta R.T.: -0.019 min
Response: 3064793
Conc: 21.60 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.511 min
Delta R.T.: -0.019 min
Response: 3101812
Conc: 21.72 ug/ml



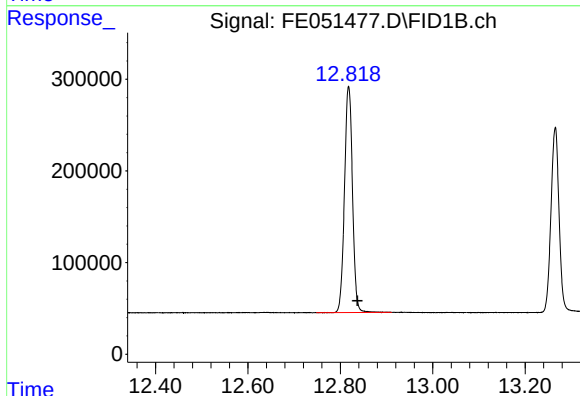
#9 ortho-Terphenyl (SURR)

R.T.: 11.832 min
Delta R.T.: -0.018 min
Response: 3267394
Conc: 21.77 ug/ml

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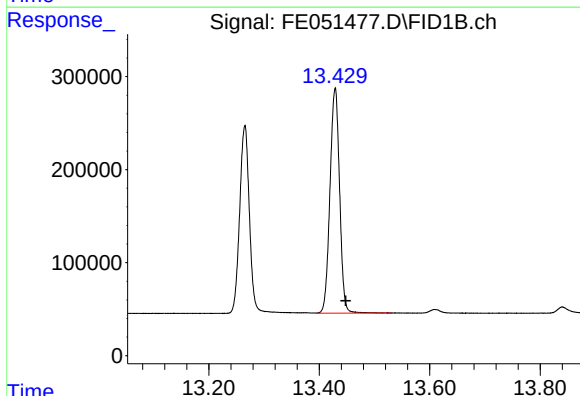
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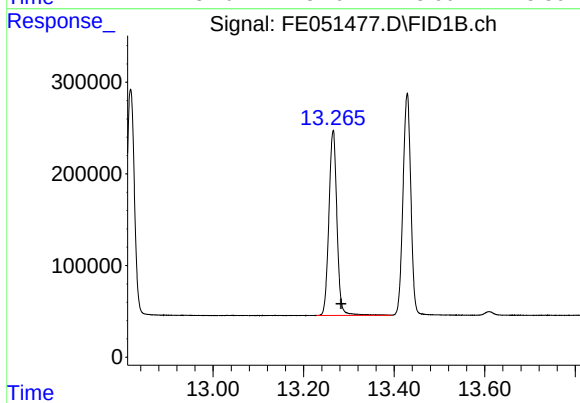
#10 n-Eicosane (C20)

R.T.: 12.818 min
Delta R.T.: -0.019 min
Response: 2962532
Conc: 21.65 ug/ml



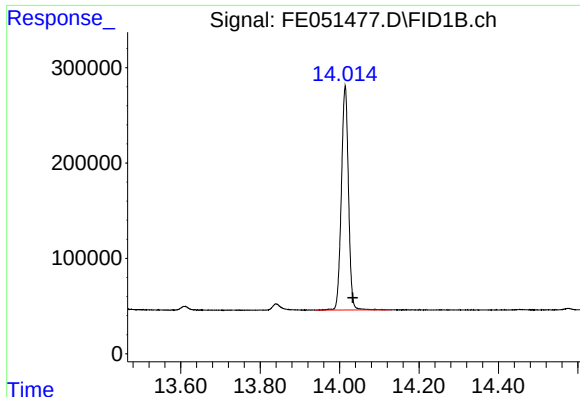
#11 n-Heneicosane (C21)

R.T.: 13.429 min
Delta R.T.: -0.019 min
Response: 2916764
Conc: 21.82 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.265 min
Delta R.T.: -0.018 min
Response: 2494538
Conc: 21.97 ug/ml



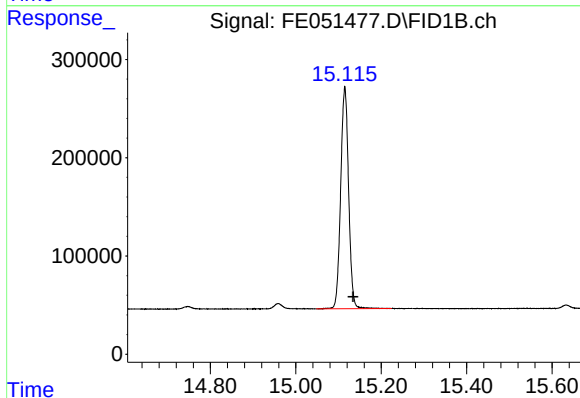
#13 n-Docosane (C22)

R.T.: 14.014 min
Delta R.T.: -0.019 min
Response: 2912497
Conc: 21.91 ug/ml

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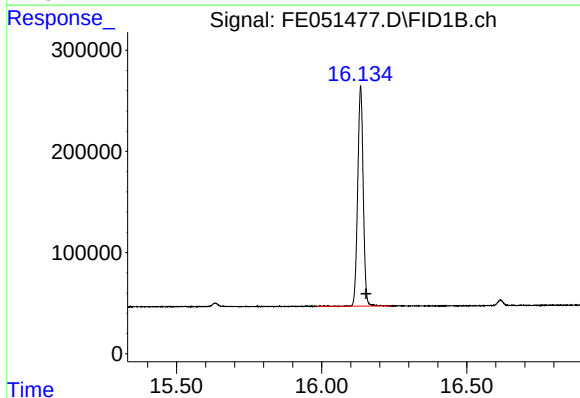
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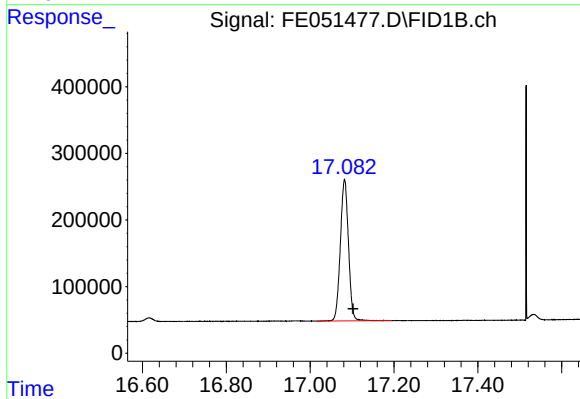
#14 n-Tetracosane (C24)

R.T.: 15.115 min
Delta R.T.: -0.020 min
Response: 2908048
Conc: 21.92 ug/ml



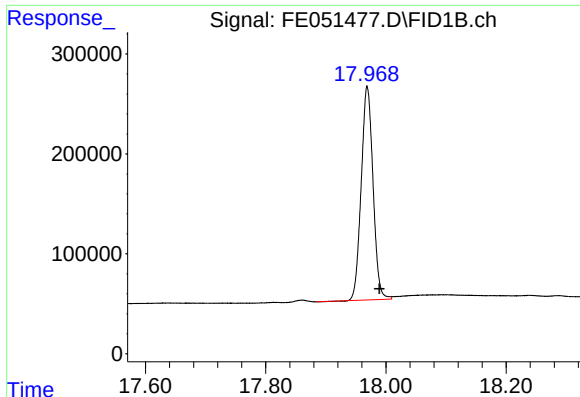
#15 n-Hexacosane (C26)

R.T.: 16.134 min
Delta R.T.: -0.020 min
Response: 2877237
Conc: 21.49 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.082 min
Delta R.T.: -0.020 min
Response: 2857978
Conc: 20.96 ug/ml



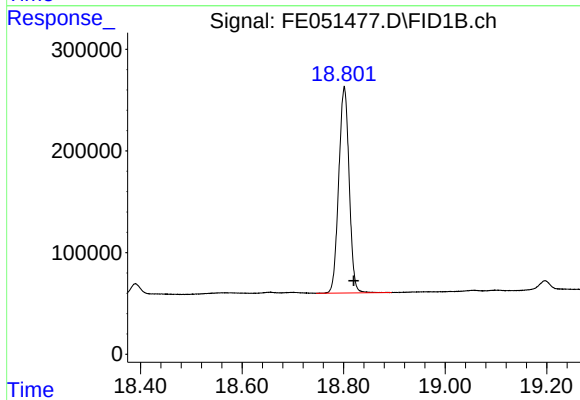
#17 n-Tricontane (C30)

R.T.: 17.969 min
Delta R.T.: -0.020 min
Response: 2916066
Conc: 20.07 ug/ml

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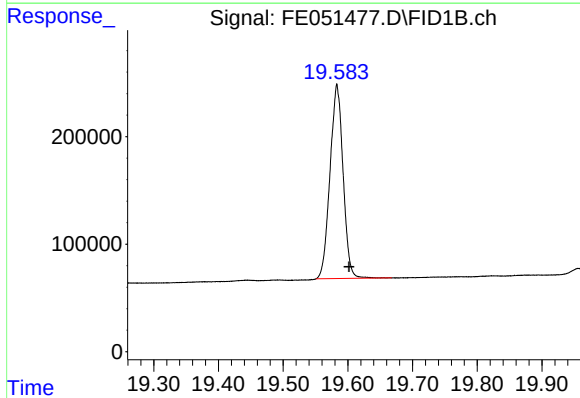
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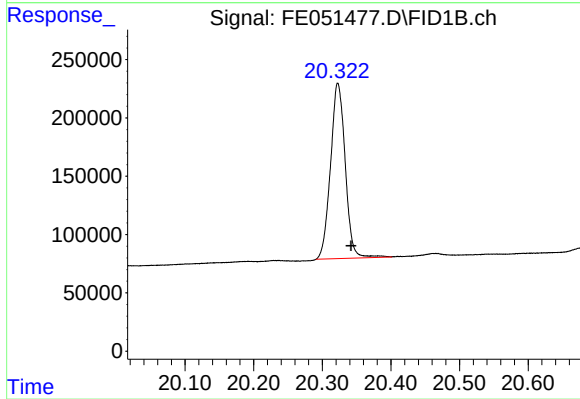
#18 n-Dotriacontane (C32)

R.T.: 18.801 min
Delta R.T.: -0.019 min
Response: 2882830
Conc: 19.42 ug/ml



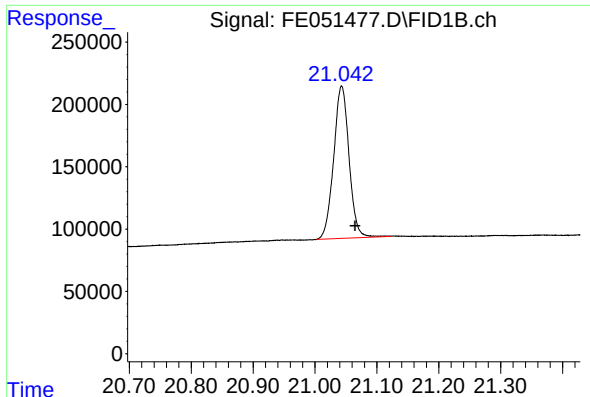
#19 n-Tetratriacontane (C34)

R.T.: 19.583 min
Delta R.T.: -0.019 min
Response: 2532478
Conc: 18.85 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.323 min
Delta R.T.: -0.019 min
Response: 2236284
Conc: 18.74 ug/ml



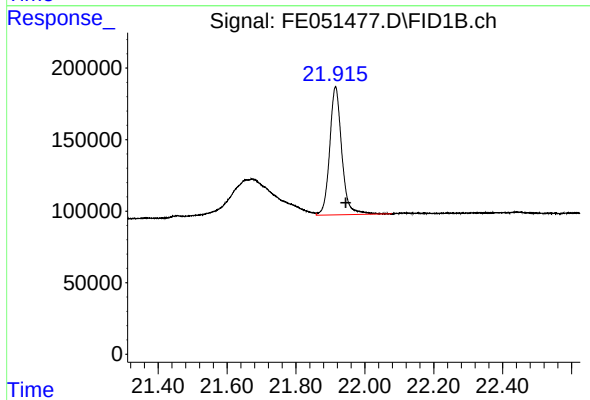
#21 n-Octatriacontane (C38)

R.T.: 21.042 min
Delta R.T.: -0.022 min
Response: 2107457
Conc: 18.52 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.915 min
Delta R.T.: -0.030 min
Response: 2187689
Conc: 19.67 ug/ml