

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE040823AL\
 Data File : FE041260.D
 Signal(s) : FID1B.ch
 Acq On : 08 Apr 2023 14:54
 Operator : YP\AJ
 Sample : 02213-03
 Misc : 2.5 PPM SOIL MDL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 MDL-SOIL-03-QT2-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/10/2023
 Supervised By :Ankita Jodhani 04/10/2023

Integration File: autoint1.e
 Quant Time: Apr 10 01:37:15 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032523.M
 Quant Title : GC Extractables
 QLast Update : Sat Mar 25 06:32:15 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			
12) S 1-chlorooctadecane (S...	13.277	5664195	39.368 ug/ml
Spiked Amount 50.000		Recovery =	78.74%
Target Compounds			
1) T n-Nonane (C9)	3.243	187249	1.079 ug/ml
2) T n-Decane (C10)	4.488	225374	1.324 ug/ml
4) T n-Dodecane (C12)	6.650	317423	1.830 ug/ml
6) T n-Tetradecane (C14)	8.475	309360	1.774 ug/ml
7) T n-Hexadecane (C16)	10.081	333614	1.876 ug/ml
8) T n-Octadecane (C18)	11.521	394263	2.208 ug/ml
10) T n-Eicosane (C20)	12.829	391374	2.294 ug/ml
11) T n-Heneicosane (C21)	13.442	334111	1.975 ug/ml
13) T n-Docosane (C22)	14.027	400298	2.419 ug/ml
14) T n-Tetracosane (C24)	15.131	433539	2.680 ug/ml
15) T n-Hexacosane (C26)	16.152	450503	2.906 ug/ml
16) T n-Octacosane (C28)	17.104	476393	3.110 ug/ml
17) T n-Tricontane (C30)	17.993	570147	3.730 ug/ml
18) T n-Dotriacontane (C32)	18.825	582940	3.734 ug/mlm
19) T n-Tetratriacontane (C34)	19.611	477420	3.081 ug/mlm
20) T n-Hexatriacontane (C36)	20.351	406437	2.676 ug/ml
21) T n-Octatriacontane (C38)	21.072	365483	2.340 ug/mlm
22) T n-Tetracontane (C40)	21.950	379786	2.380 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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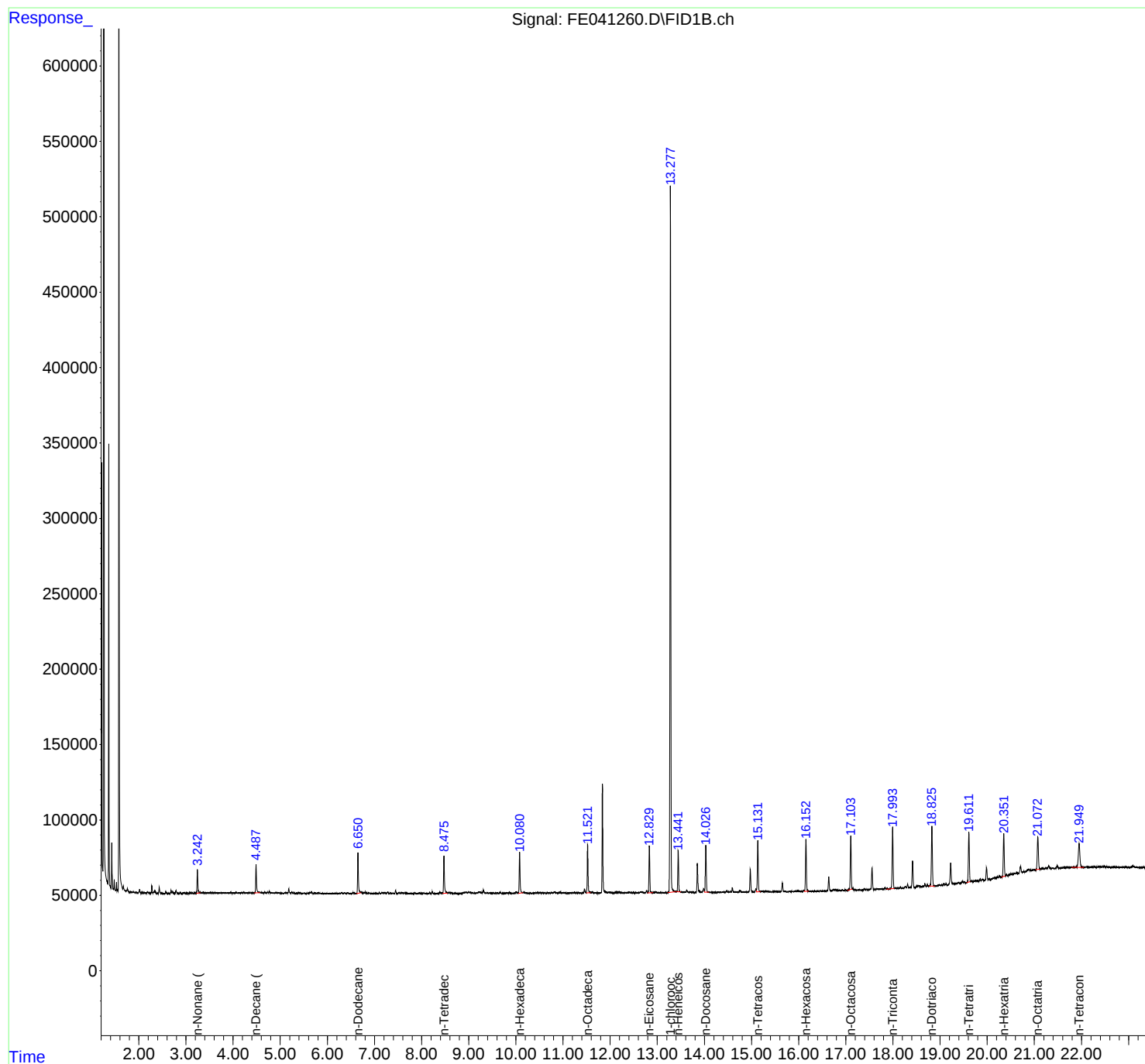
Instrument :
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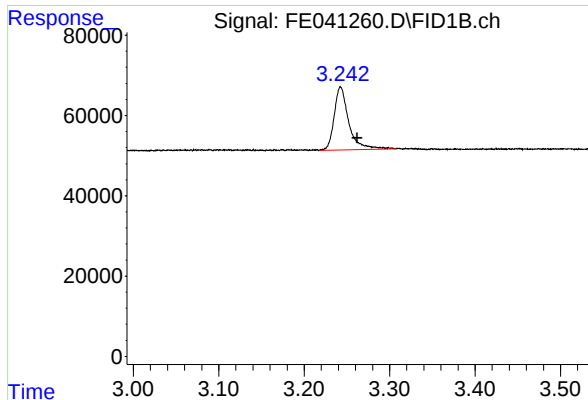
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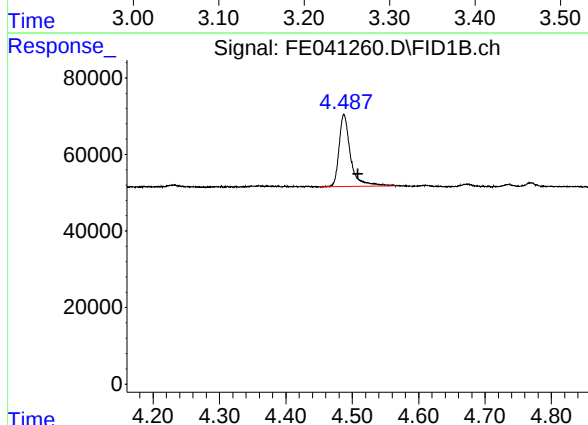
#1 n-Nonane (C9)

R.T.: 3.243 min
Delta R.T.: -0.019 min
Response: 187249
Conc: 1.08 ug/ml

Instrument : FID_E
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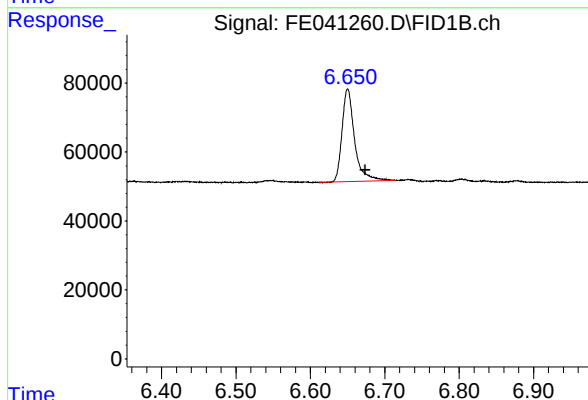
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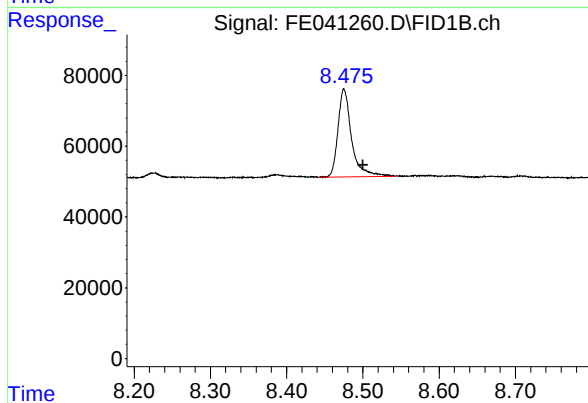
#2 n-Decane (C10)

R.T.: 4.488 min
Delta R.T.: -0.021 min
Response: 225374
Conc: 1.32 ug/ml



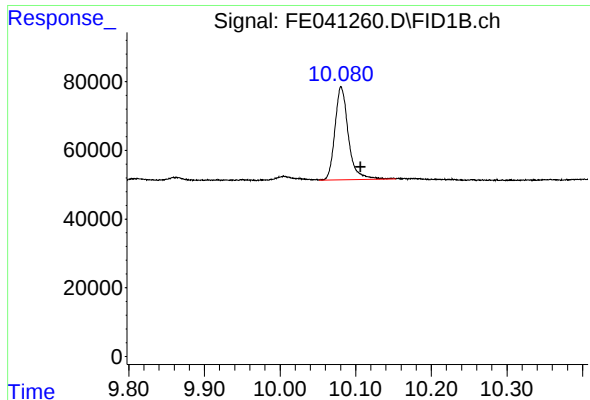
#4 n-Dodecane (C12)

R.T.: 6.650 min
Delta R.T.: -0.023 min
Response: 317423
Conc: 1.83 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.475 min
Delta R.T.: -0.025 min
Response: 309360
Conc: 1.77 ug/ml



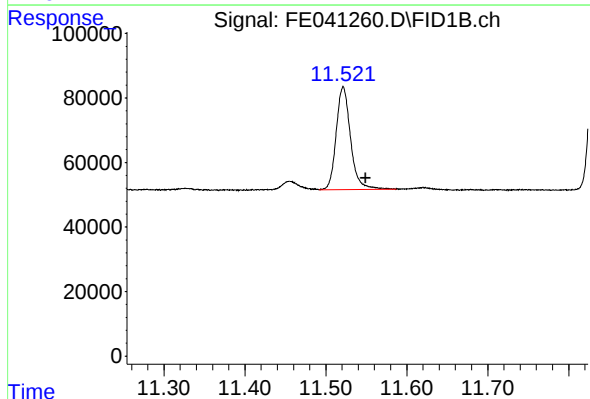
#7 n-Hexadecane (C16)

R.T.: 10.081 min
Delta R.T.: -0.026 min
Response: 333614
Conc: 1.88 ug/ml

Instrument :
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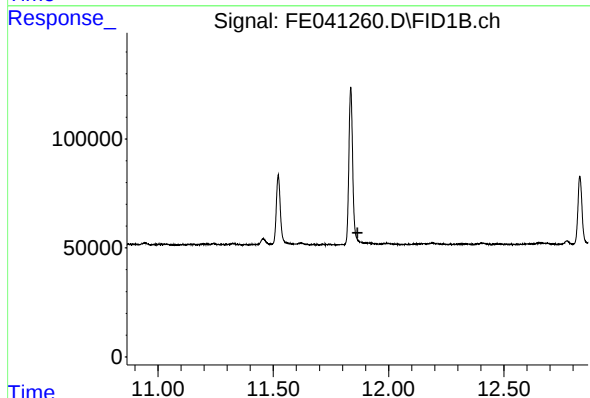
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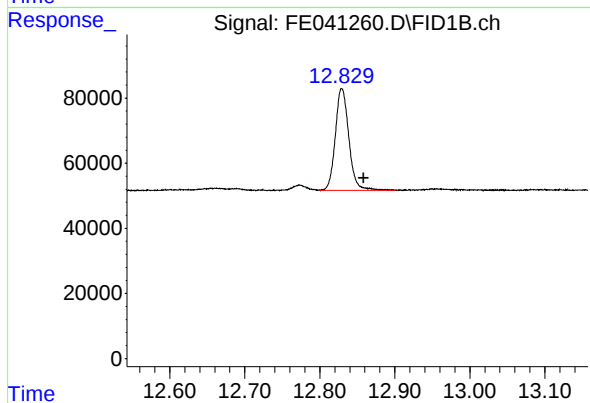
#8 n-Octadecane (C18)

R.T.: 11.521 min
Delta R.T.: -0.028 min
Response: 394263
Conc: 2.21 ug/ml



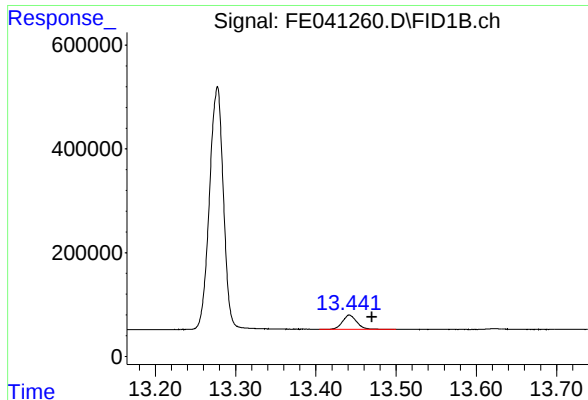
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.865 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.829 min
Delta R.T.: -0.029 min
Response: 391374
Conc: 2.29 ug/ml



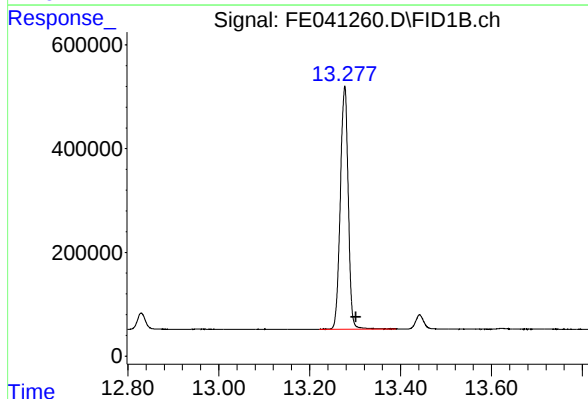
#11 n-Heneicosane (C21)

R.T.: 13.442 min
Delta R.T.: -0.028 min
Response: 334111
Conc: 1.97 ug/ml

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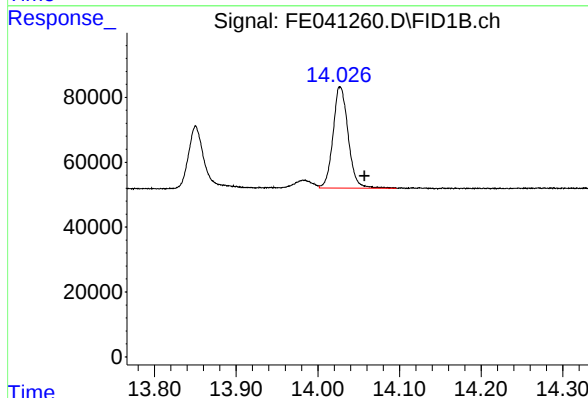
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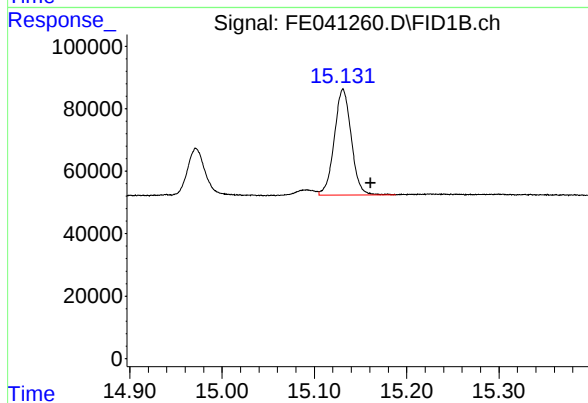
#12 1-chlorooctadecane (SURR)

R.T.: 13.277 min
Delta R.T.: -0.025 min
Response: 5664195
Conc: 39.37 ug/ml



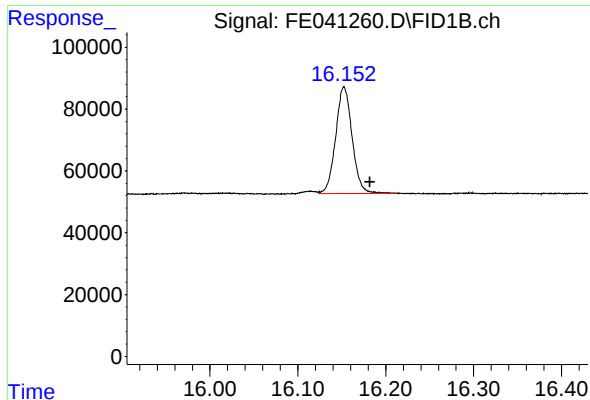
#13 n-Docosane (C22)

R.T.: 14.027 min
Delta R.T.: -0.030 min
Response: 400298
Conc: 2.42 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.131 min
Delta R.T.: -0.030 min
Response: 433539
Conc: 2.68 ug/ml



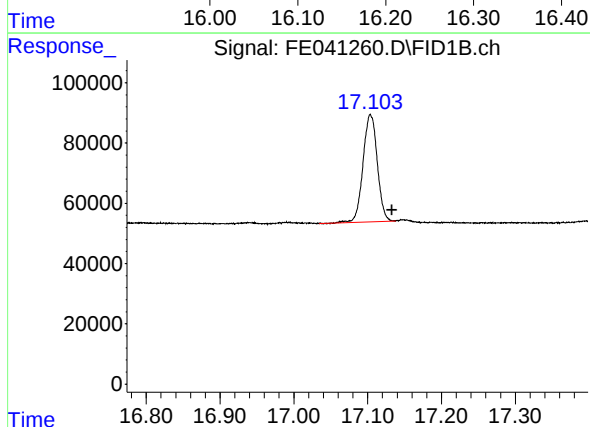
#15 n-Hexacosane (C26)

R.T.: 16.152 min
Delta R.T.: -0.030 min
Response: 450503
Conc: 2.91 ug/ml

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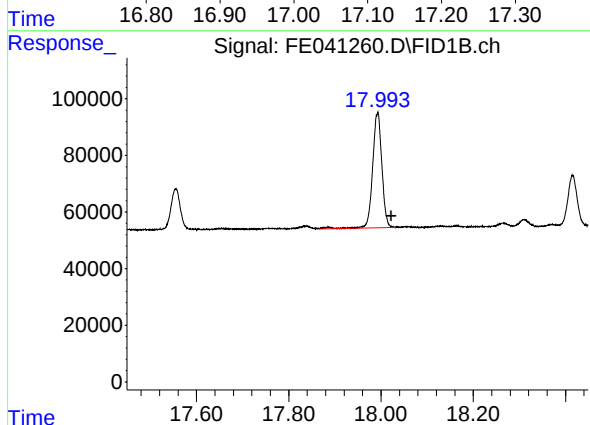
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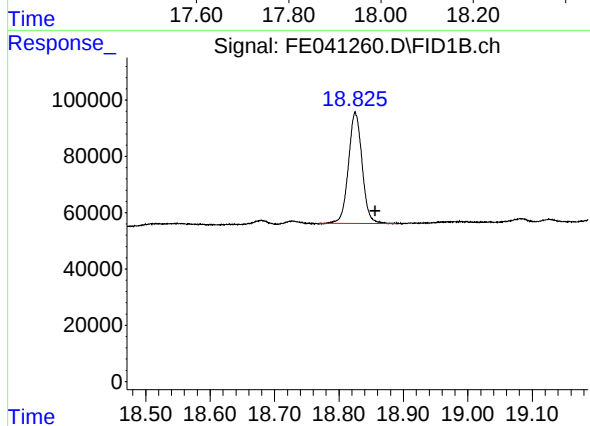
#16 n-Octacosane (C28)

R.T.: 17.104 min
Delta R.T.: -0.029 min
Response: 476393
Conc: 3.11 ug/ml



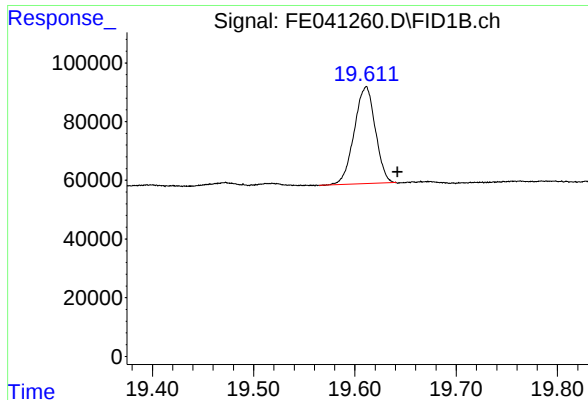
#17 n-Tricontane (C30)

R.T.: 17.993 min
Delta R.T.: -0.029 min
Response: 570147
Conc: 3.73 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.825 min
Delta R.T.: -0.032 min
Response: 582940
Conc: 3.73 ug/ml m



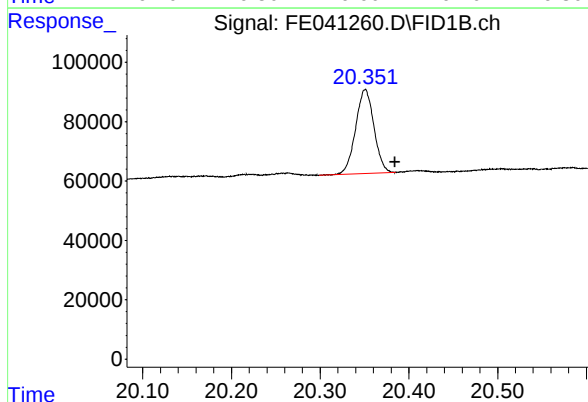
#19 n-Tetratriacontane (C34)

R.T.: 19.611 min
Delta R.T.: -0.031 min
Response: 477420
Conc: 3.08 ug/ml

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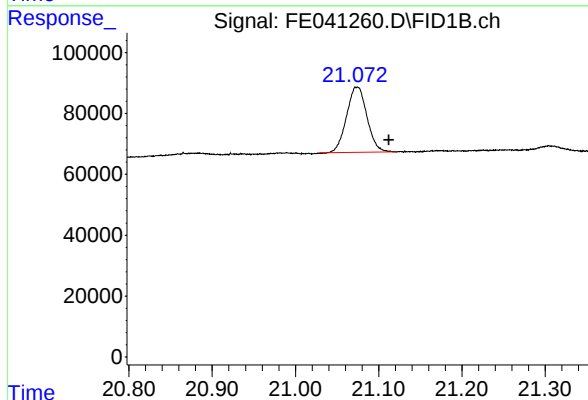
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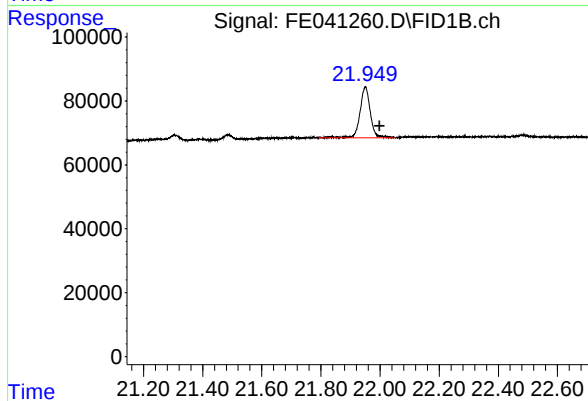
#20 n-Hexatriacontane (C36)

R.T.: 20.351 min
Delta R.T.: -0.033 min
Response: 406437
Conc: 2.68 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.072 min
Delta R.T.: -0.041 min
Response: 365483
Conc: 2.34 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 21.950 min
Delta R.T.: -0.048 min
Response: 379786
Conc: 2.38 ug/ml