

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041223AL\
 Data File : FE041328.D
 Signal(s) : FID1B.ch
 Acq On : 12 Apr 2023 14:27
 Operator : YP\AJ
 Sample : 02213-02
 Misc : 5 PPM SOIL LOQ
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/13/2023
 Supervised By :Ankita Jodhani 04/13/2023

Integration File: autoint1.e
 Quant Time: Apr 13 01:10:54 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	6954005	48.332 ug/ml
Spiked Amount 50.000		Recovery =	96.66%
Target Compounds			
1) T n-Nonane (C9)	3.237	440355	2.538 ug/ml
2) T n-Decane (C10)	4.484	541319	3.180 ug/ml
4) T n-Dodecane (C12)	6.647	690566	3.981 ug/ml
6) T n-Tetradecane (C14)	8.473	676914	3.882 ug/ml
7) T n-Hexadecane (C16)	10.079	732433	4.118 ug/ml
8) T n-Octadecane (C18)	11.520	845756	4.737 ug/ml
10) T n-Eicosane (C20)	12.829	869193	5.096 ug/ml
11) T n-Heneicosane (C21)	13.441	799835	4.728 ug/ml
13) T n-Docosane (C22)	14.029	888229	5.367 ug/ml
14) T n-Tetracosane (C24)	15.131	920844	5.692 ug/ml
15) T n-Hexacosane (C26)	16.154	970130	6.258 ug/ml
16) T n-Octacosane (C28)	17.105	983653	6.422 ug/ml
17) T n-Tricontane (C30)	17.994	1007697	6.592 ug/ml
18) T n-Dotriacontane (C32)	18.828	1025939	6.571 ug/mlm
19) T n-Tetratriacontane (C34)	19.611	913827	5.897 ug/mlm
20) T n-Hexatriacontane (C36)	20.354	831229	5.472 ug/mlm
21) T n-Octatriacontane (C38)	21.077	808051	5.173 ug/mlm
22) T n-Tetracontane (C40)	21.953	816909	5.118 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ
Sample : 02213-02
Misc : 5 PPM SOIL LOQ
ALS Vial : 18 Sample Multiplier: 1

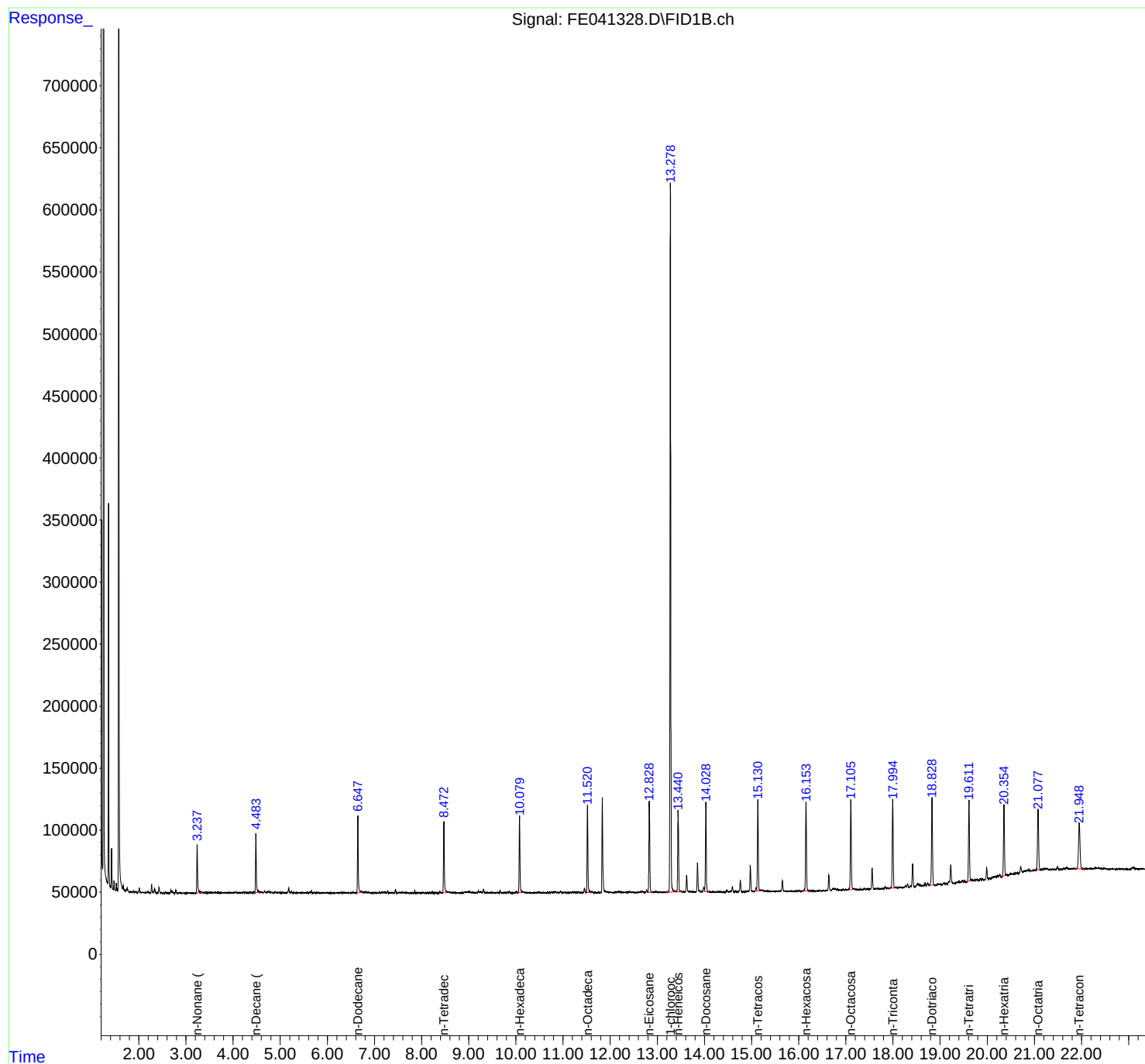
Instrument :
FID_E
ClientSampleId :
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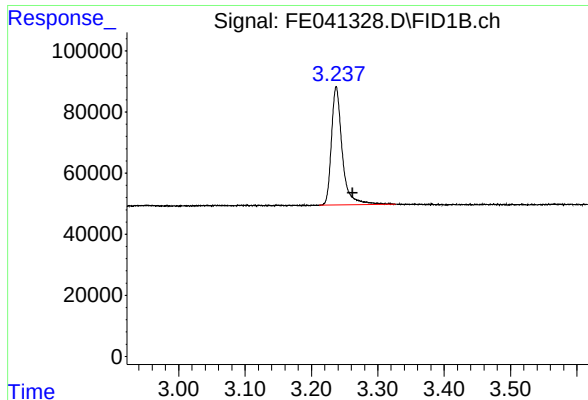
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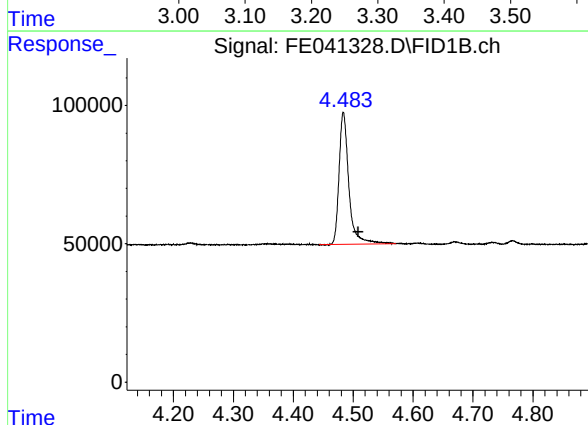
#1 n-Nonane (C9)

R.T.: 3.237 min
Delta R.T.: -0.025 min
Response: 440355
Conc: 2.54 ug/ml

Instrument : FID_E
ClientSampleId : LOQ-SOIL-02-QT2-2023

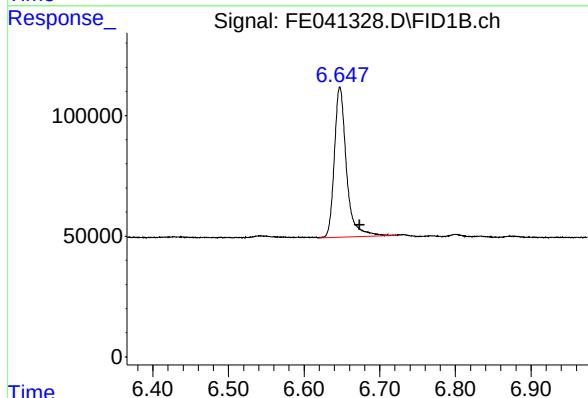
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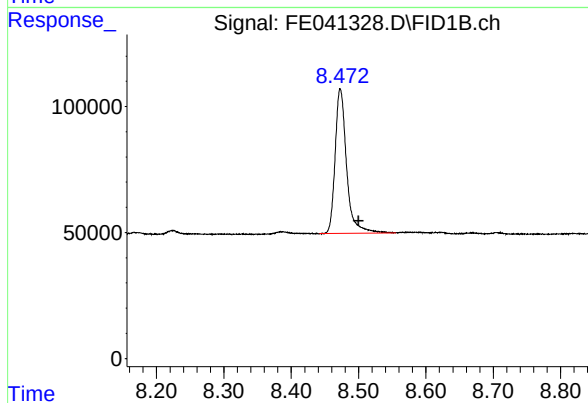
#2 n-Decane (C10)

R.T.: 4.484 min
Delta R.T.: -0.025 min
Response: 541319
Conc: 3.18 ug/ml



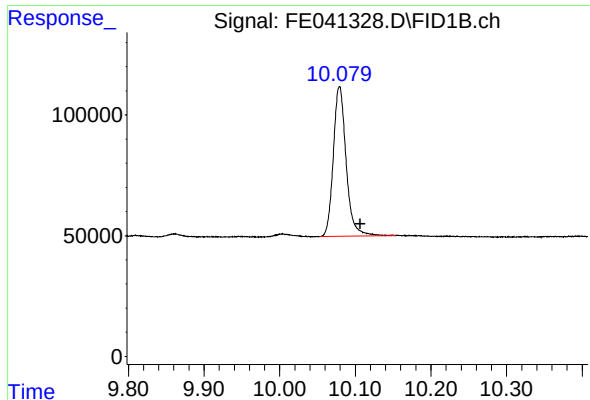
#4 n-Dodecane (C12)

R.T.: 6.647 min
Delta R.T.: -0.026 min
Response: 690566
Conc: 3.98 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.473 min
Delta R.T.: -0.027 min
Response: 676914
Conc: 3.88 ug/ml



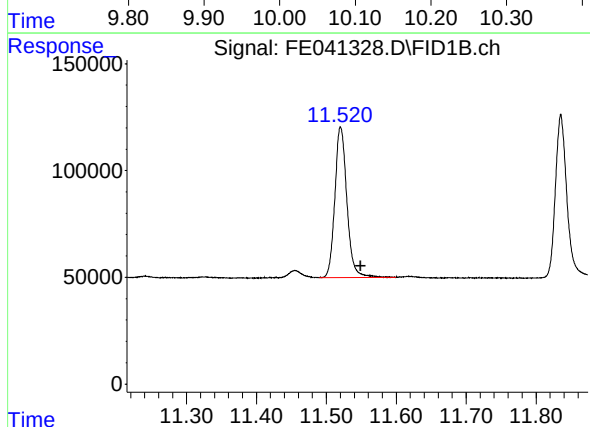
#7 n-Hexadecane (C16)

R.T.: 10.079 min
Delta R.T.: -0.028 min
Response: 732433
Conc: 4.12 ug/ml

Instrument : FID_E
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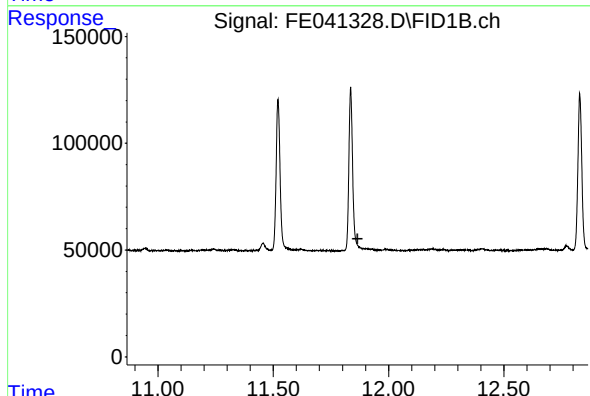
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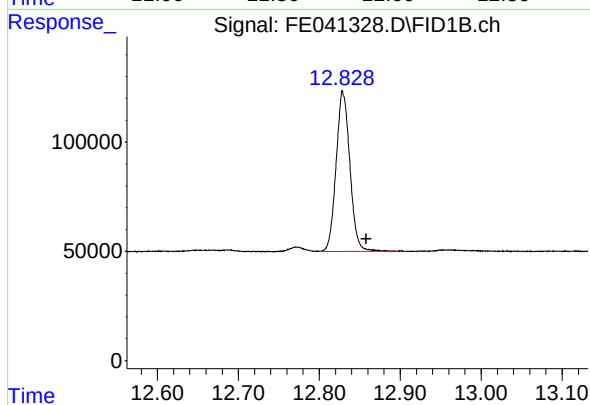
#8 n-Octadecane (C18)

R.T.: 11.520 min
Delta R.T.: -0.029 min
Response: 845756
Conc: 4.74 ug/ml



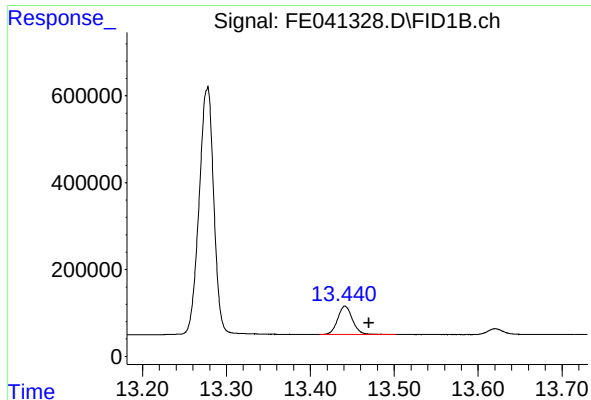
#9 ortho-Terphenyl (SURR)

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: 869193
Conc: 5.10 ug/ml



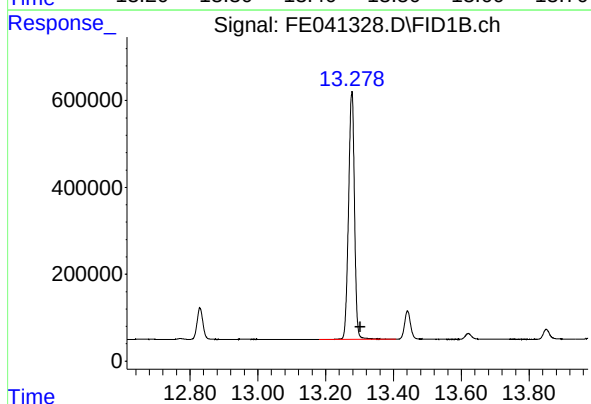
#11 n-Heneicosane (C21)

R.T.: 13.441 min
Delta R.T.: -0.029 min
Response: 799835
Conc: 4.73 ug/ml

Instrument :
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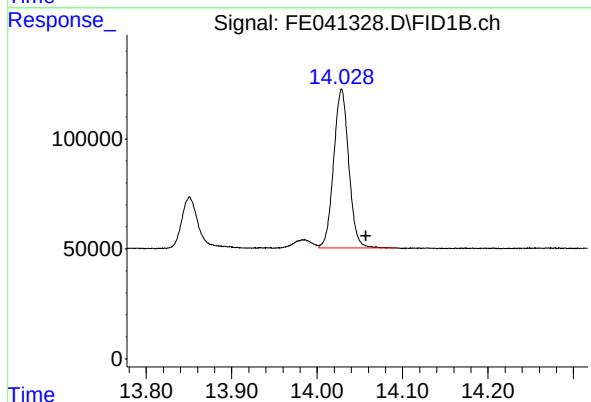
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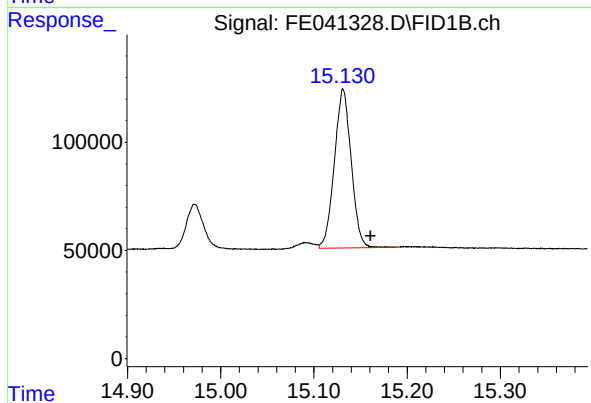
#12 1-chlorooctadecane (SURR)

R.T.: 13.277 min
Delta R.T.: -0.025 min
Response: 6954005
Conc: 48.33 ug/ml



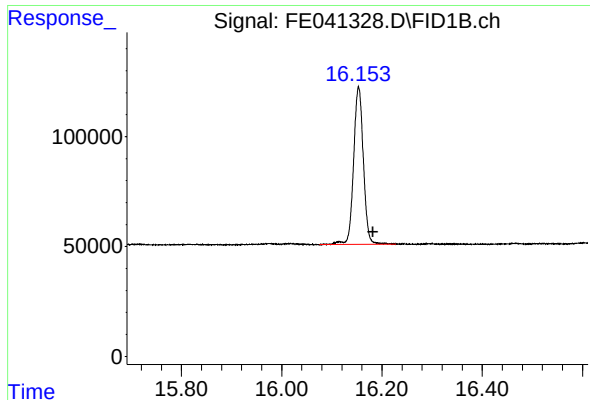
#13 n-Docosane (C22)

R.T.: 14.029 min
Delta R.T.: -0.029 min
Response: 888229
Conc: 5.37 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.131 min
Delta R.T.: -0.029 min
Response: 920844
Conc: 5.69 ug/ml



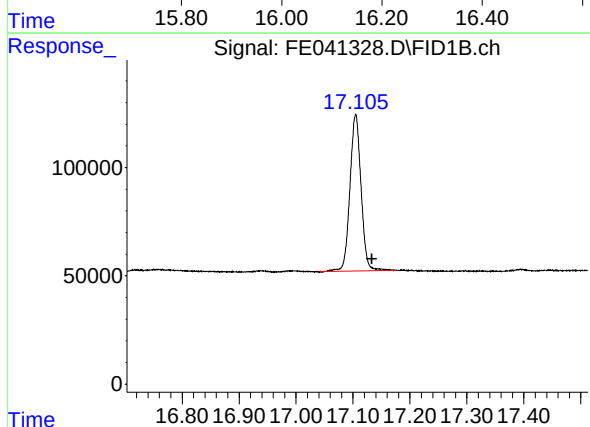
#15 n-Hexacosane (C26)

R.T.: 16.154 min
Delta R.T.: -0.028 min
Response: 970130
Conc: 6.26 ug/ml

Instrument :
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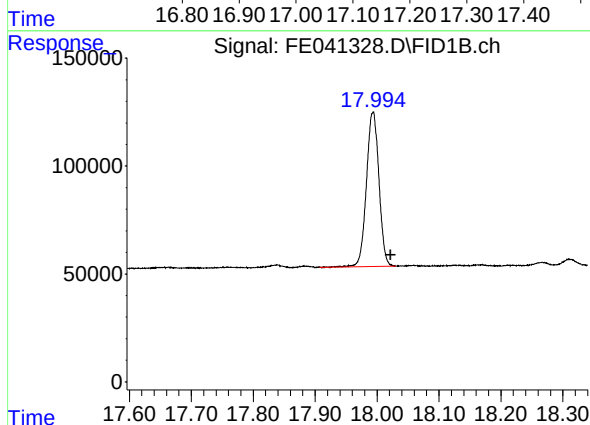
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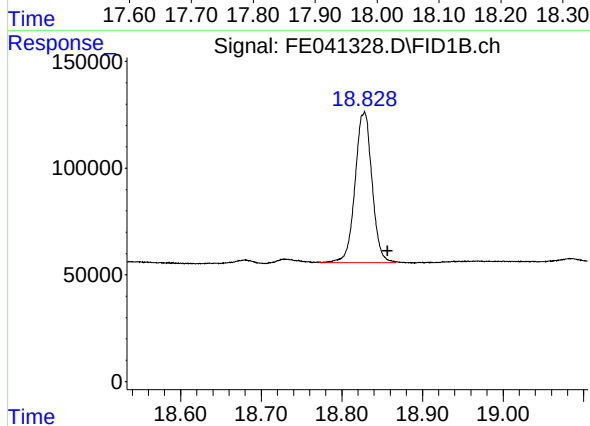
#16 n-Octacosane (C28)

R.T.: 17.105 min
Delta R.T.: -0.028 min
Response: 983653
Conc: 6.42 ug/ml



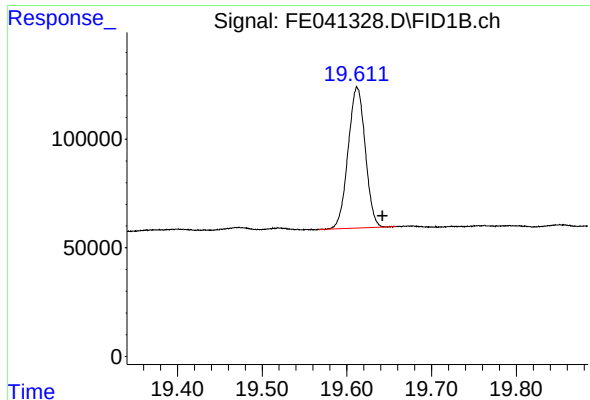
#17 n-Tricontane (C30)

R.T.: 17.994 min
Delta R.T.: -0.029 min
Response: 1007697
Conc: 6.59 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.828 min
Delta R.T.: -0.029 min
Response: 1025939
Conc: 6.57 ug/ml m



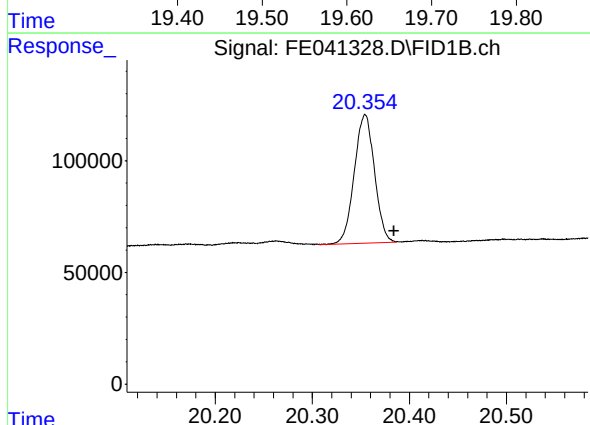
#19 n-Tetratriacontane (C34)

R.T.: 19.611 min
Delta R.T.: -0.031 min
Response: 913827
Conc: 5.90 ug/ml

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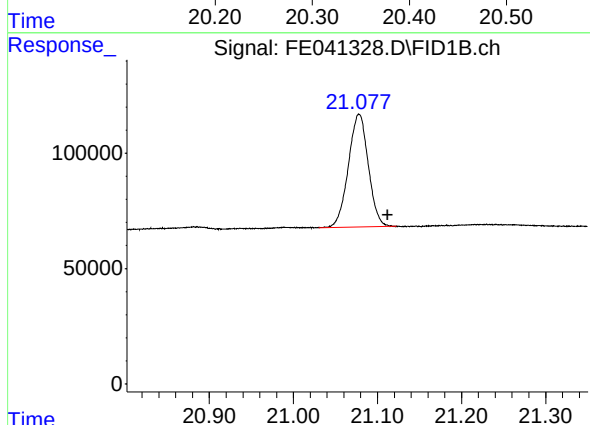
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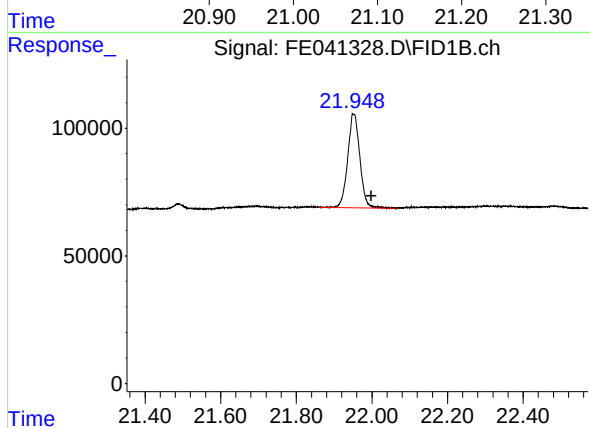
#20 n-Hexatriacontane (C36)

R.T.: 20.354 min
Delta R.T.: -0.030 min
Response: 831229
Conc: 5.47 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 21.077 min
Delta R.T.: -0.035 min
Response: 808051
Conc: 5.17 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 21.953 min
Delta R.T.: -0.045 min
Response: 816909
Conc: 5.12 ug/ml