

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE040823AL\
 Data File : FE041261.D
 Signal(s) : FID1B.ch
 Acq On : 08 Apr 2023 15:24
 Operator : YP\AJ
 Sample : 02213-09
 Misc : 2.5 PPM WATER MDL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 MDL-WATER-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 01:37:24 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	5351629	37.195 ug/ml
Spiked Amount 50.000		Recovery =	74.39%
Target Compounds			
1) T n-Nonane (C9)	3.243	182660	1.053 ug/ml
2) T n-Decane (C10)	4.488	225645	1.326 ug/ml
4) T n-Dodecane (C12)	6.650	325128	1.874 ug/ml
6) T n-Tetradecane (C14)	8.475	310328	1.780 ug/ml
7) T n-Hexadecane (C16)	10.081	327053	1.839 ug/ml
8) T n-Octadecane (C18)	11.521	394268	2.208 ug/ml
10) T n-Eicosane (C20)	12.830	394287	2.312 ug/ml
11) T n-Heneicosane (C21)	13.442	334752	1.979 ug/ml
13) T n-Docosane (C22)	14.028	402553	2.433 ug/ml
14) T n-Tetracosane (C24)	15.131	448444	2.772 ug/ml
15) T n-Hexacosane (C26)	16.152	478467	3.087 ug/ml
16) T n-Octacosane (C28)	17.101	516655	3.373 ug/mlm
17) T n-Tricontane (C30)	17.991	641150	4.194 ug/ml
18) T n-Dotriacontane (C32)	18.825	653341	4.185 ug/mlm
19) T n-Tetratriacontane (C34)	19.608	518633	3.347 ug/mlm
20) T n-Hexatriacontane (C36)	20.351	421858	2.777 ug/mlm
21) T n-Octatriacontane (C38)	21.073	391274	2.505 ug/mlm
22) T n-Tetracontane (C40)	21.949	377771	2.367 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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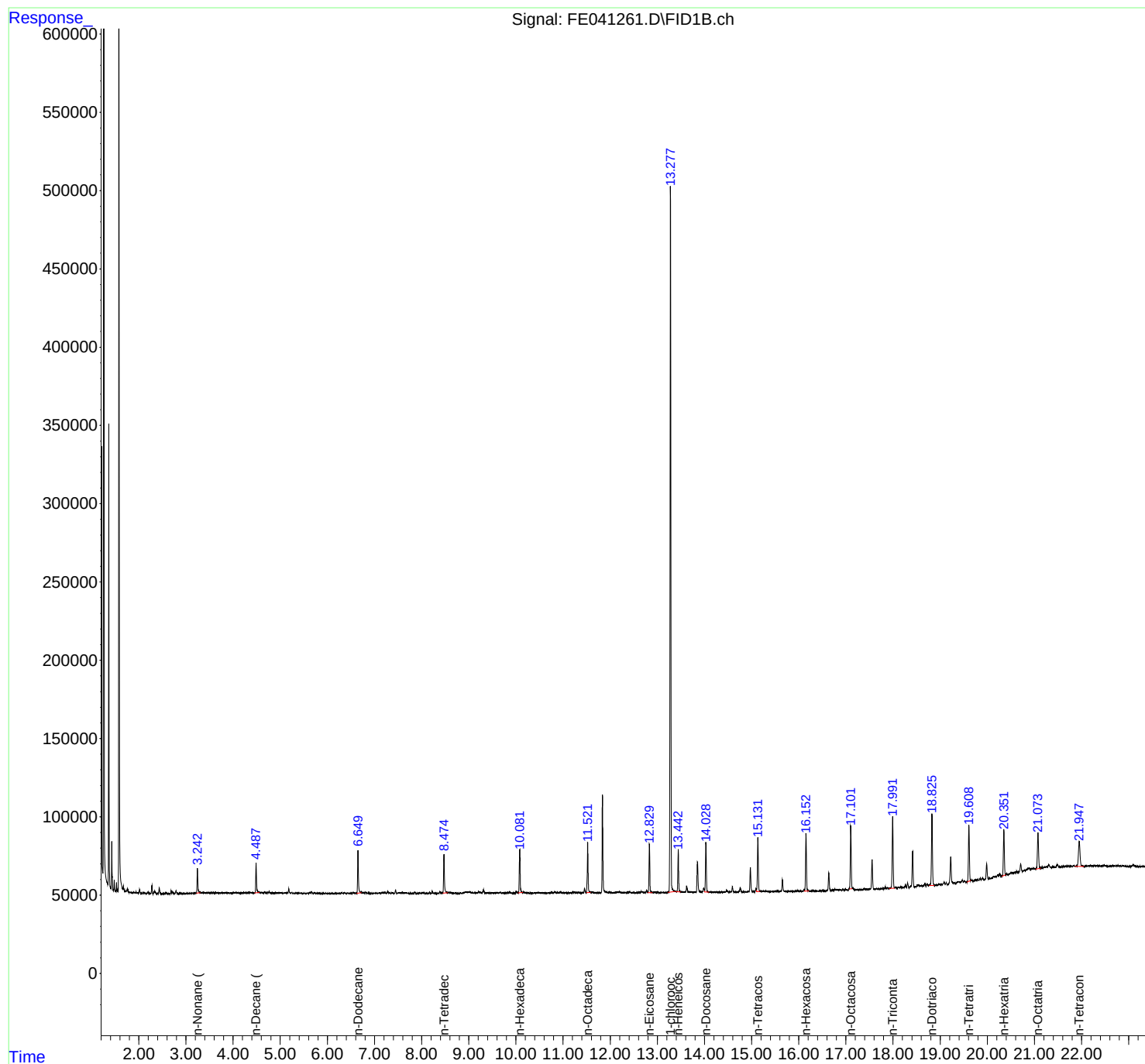
Instrument :
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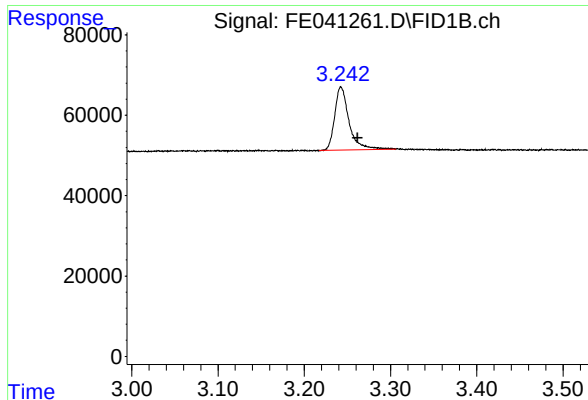
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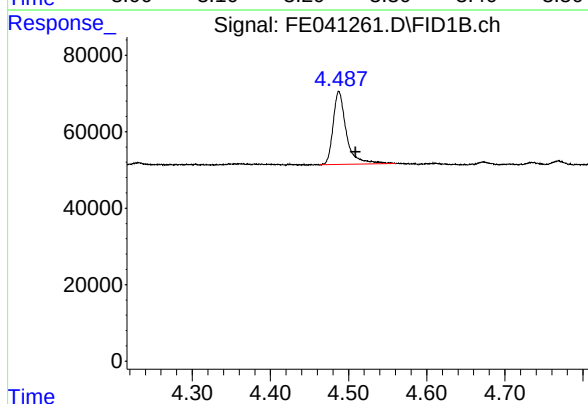
#1 n-Nonane (C9)

R.T.: 3.243 min
Delta R.T.: -0.019 min
Response: 182660
Conc: 1.05 ug/ml

Instrument : FID_E
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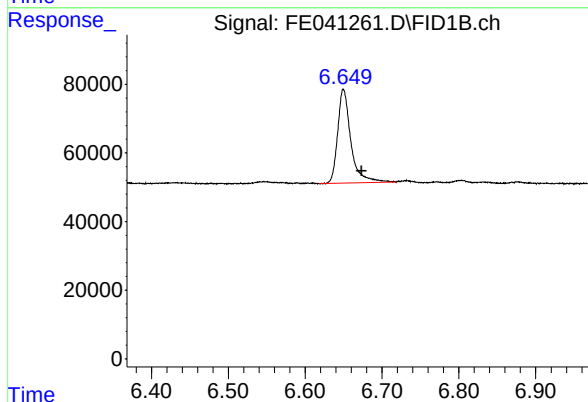
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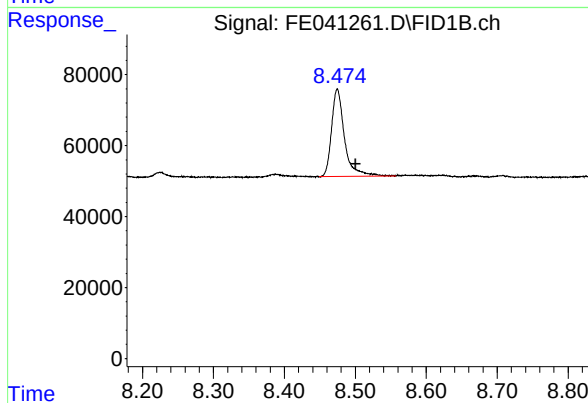
#2 n-Decane (C10)

R.T.: 4.488 min
Delta R.T.: -0.021 min
Response: 225645
Conc: 1.33 ug/ml



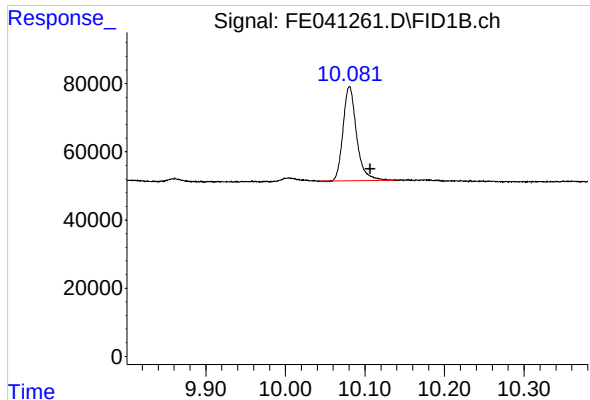
#4 n-Dodecane (C12)

R.T.: 6.650 min
Delta R.T.: -0.024 min
Response: 325128
Conc: 1.87 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.475 min
Delta R.T.: -0.025 min
Response: 310328
Conc: 1.78 ug/ml



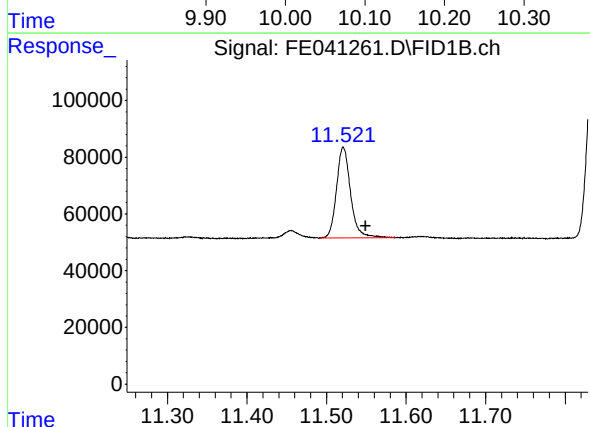
#7 n-Hexadecane (C16)

R.T.: 10.081 min
Delta R.T.: -0.026 min
Response: 327053
Conc: 1.84 ug/ml

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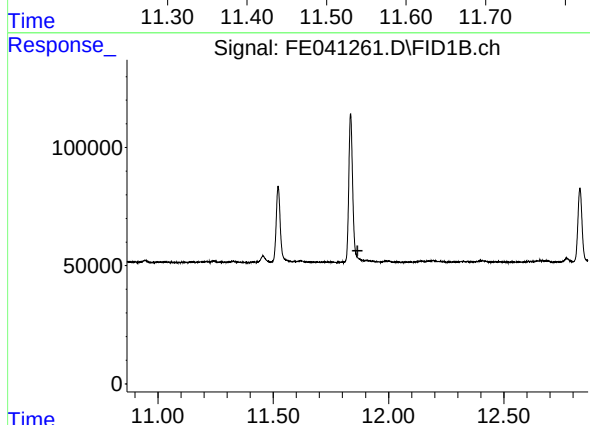
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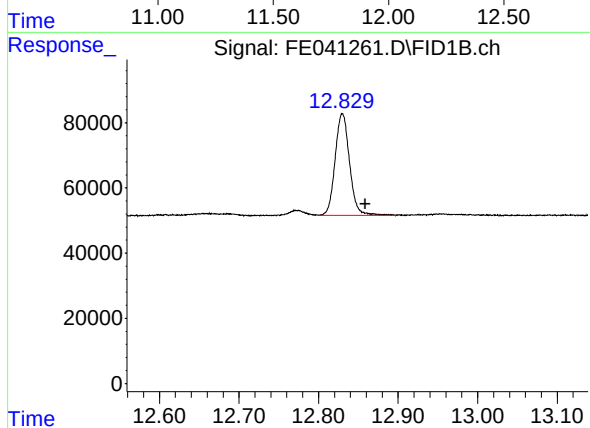
#8 n-Octadecane (C18)

R.T.: 11.521 min
Delta R.T.: -0.028 min
Response: 394268
Conc: 2.21 ug/ml



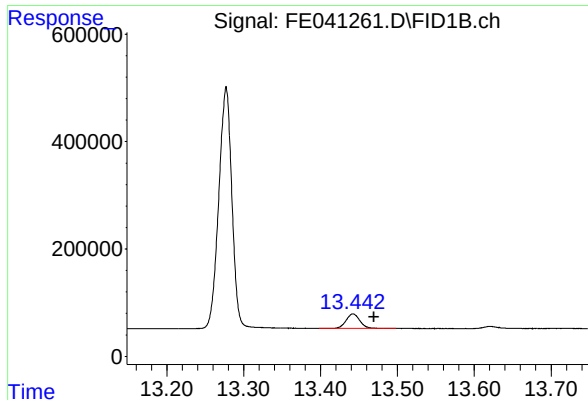
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 12.830 min
Delta R.T.: -0.028 min
Response: 394287
Conc: 2.31 ug/ml



#11 n-Heneicosane (C21)

R.T.: 13.442 min
Delta R.T.: -0.028 min
Response: 334752
Conc: 1.98 ug/ml

Instrument :

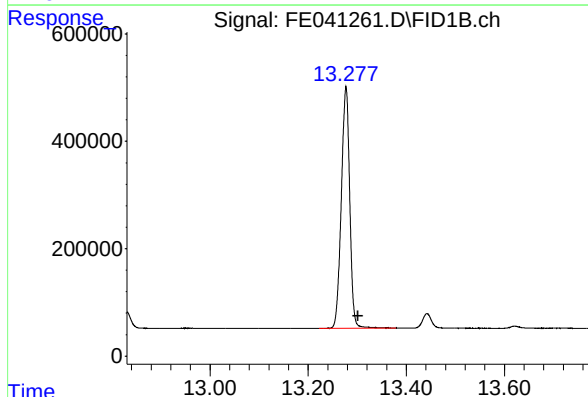
FID_E

ClientSampleId :

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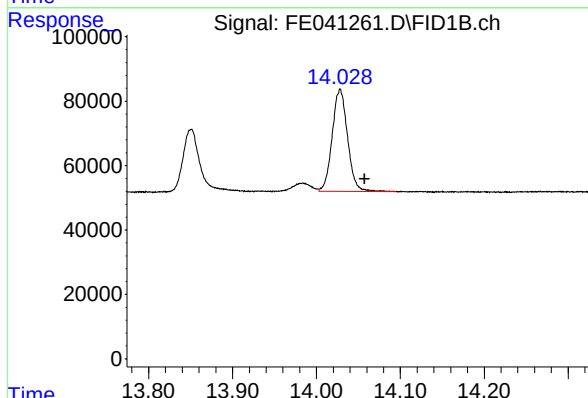
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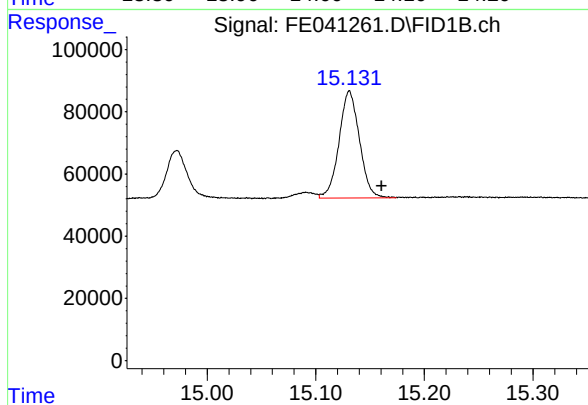
#12 1-chlorooctadecane (SURR)

R.T.: 13.277 min
Delta R.T.: -0.025 min
Response: 5351629
Conc: 37.20 ug/ml



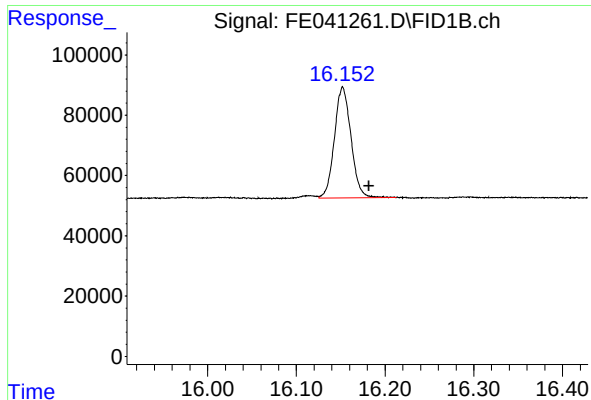
#13 n-Docosane (C22)

R.T.: 14.028 min
Delta R.T.: -0.029 min
Response: 402553
Conc: 2.43 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.131 min
Delta R.T.: -0.030 min
Response: 448444
Conc: 2.77 ug/ml



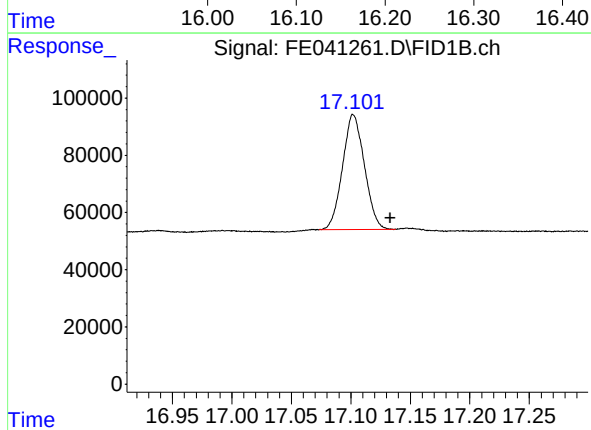
#15 n-Hexacosane (C26)

R.T.: 16.152 min
Delta R.T.: -0.030 min
Response: 478467
Conc: 3.09 ug/ml

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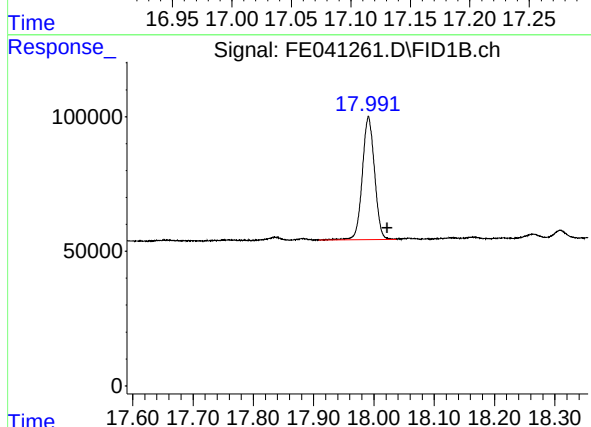
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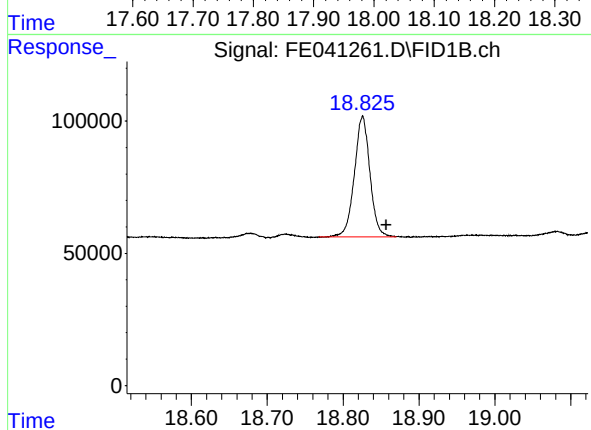
#16 n-Octacosane (C28)

R.T.: 17.101 min
Delta R.T.: -0.032 min
Response: 516655
Conc: 3.37 ug/ml m



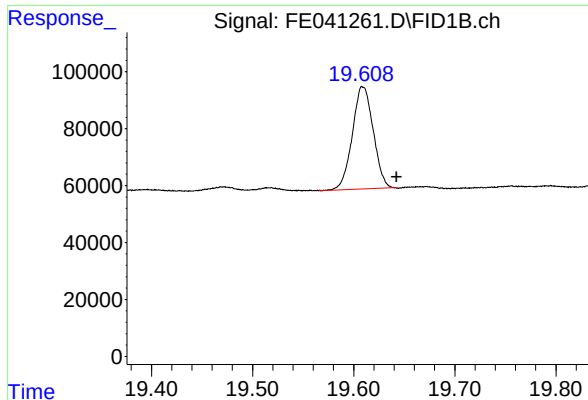
#17 n-Tricontane (C30)

R.T.: 17.991 min
Delta R.T.: -0.031 min
Response: 641150
Conc: 4.19 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.825 min
Delta R.T.: -0.031 min
Response: 653341
Conc: 4.18 ug/ml m



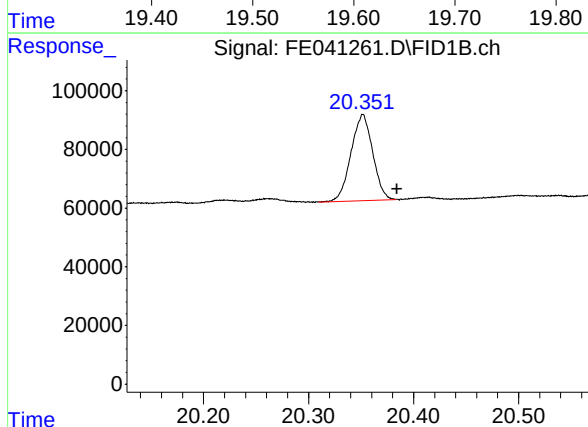
#19 n-Tetratriacontane (C34)

R.T.: 19.608 min
Delta R.T.: -0.035 min
Response: 518633
Conc: 3.35 ug/ml

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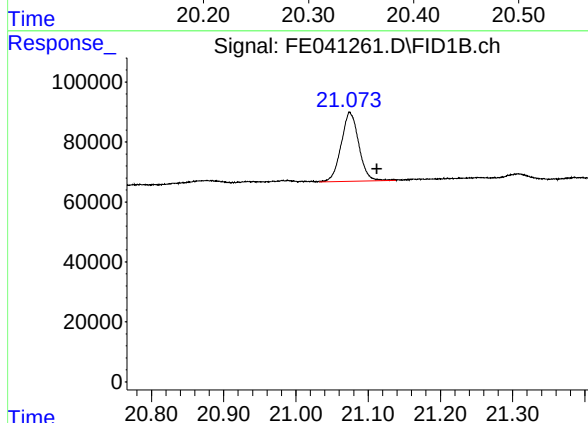
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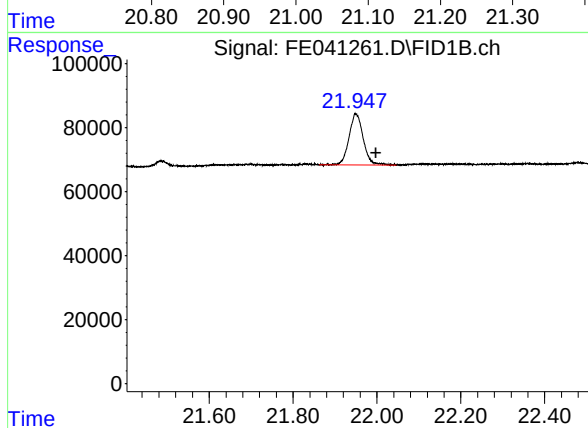
#20 n-Hexatriacontane (C36)

R.T.: 20.351 min
Delta R.T.: -0.033 min
Response: 421858
Conc: 2.78 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 21.073 min
Delta R.T.: -0.039 min
Response: 391274
Conc: 2.50 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 21.949 min
Delta R.T.: -0.049 min
Response: 377771
Conc: 2.37 ug/ml