

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041223AL\
 Data File : FE041331.D
 Signal(s) : FID1B.ch
 Acq On : 12 Apr 2023 16:35
 Operator : YP\AJ
 Sample : 02213-01
 Misc : 2.5 PPM SOIL LOD
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 LOD-MDL-SOIL-01-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 07:35:10 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	6421792	44.633 ug/ml
Spiked Amount 50.000		Recovery =	89.27%
Target Compounds			
1) T n-Nonane (C9)	3.239	185460	1.069 ug/ml
2) T n-Decane (C10)	4.485	225283	1.324 ug/ml
4) T n-Dodecane (C12)	6.649	282143	1.627 ug/ml
6) T n-Tetradecane (C14)	8.474	308619	1.770 ug/ml
7) T n-Hexadecane (C16)	10.080	316875	1.782 ug/ml
8) T n-Octadecane (C18)	11.520	379136	2.123 ug/ml
10) T n-Eicosane (C20)	12.830	374851	2.198 ug/ml
11) T n-Heneicosane (C21)	13.442	319956	1.891 ug/ml
13) T n-Docosane (C22)	14.028	368526	2.227 ug/ml
14) T n-Tetracosane (C24)	15.132	359818	2.224 ug/ml
15) T n-Hexacosane (C26)	16.154	345381	2.228 ug/ml
16) T n-Octacosane (C28)	17.104	342349	2.235 ug/ml
17) T n-Tricontane (C30)	17.993	359893	2.354 ug/ml
18) T n-Dotriacontane (C32)	18.825	390927	2.504 ug/mlm
19) T n-Tetratriacontane (C34)	19.613	348035	2.246 ug/mlm
20) T n-Hexatriacontane (C36)	20.352	320718	2.111 ug/mlm
21) T n-Octatriacontane (C38)	21.077	318155	2.037 ug/mlm
22) T n-Tetracontane (C40)	21.954	334506	2.096 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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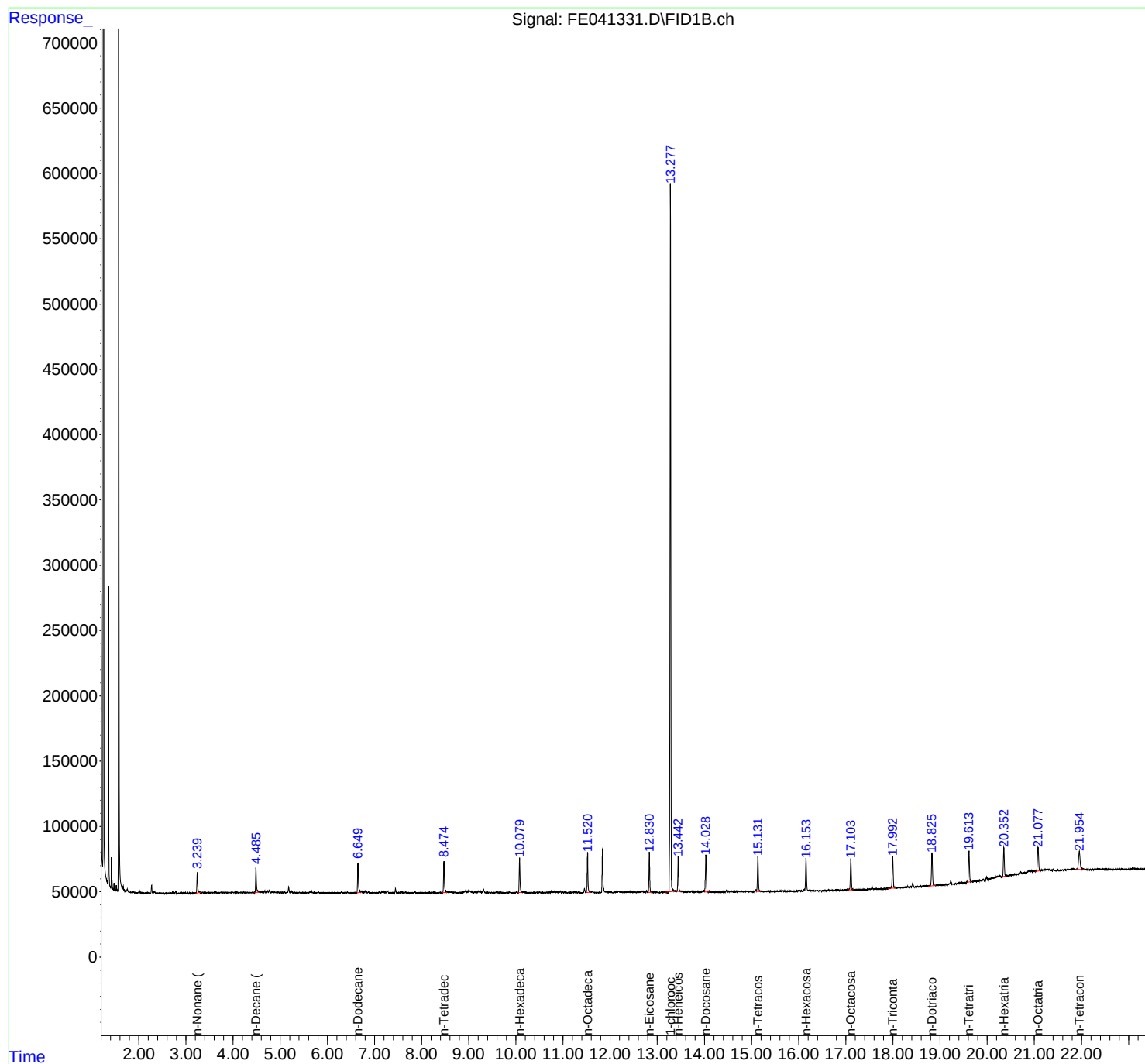
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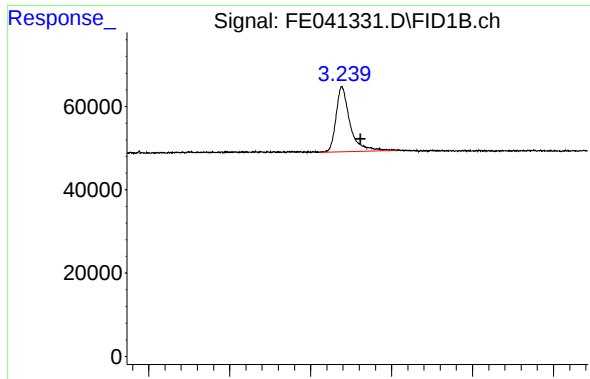
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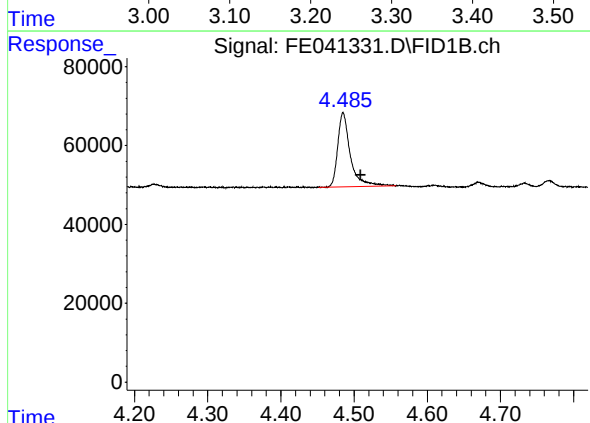
#1 n-Nonane (C9)

R.T.: 3.239 min
Delta R.T.: -0.023 min
Response: 185460
Conc: 1.07 ug/ml

Instrument :
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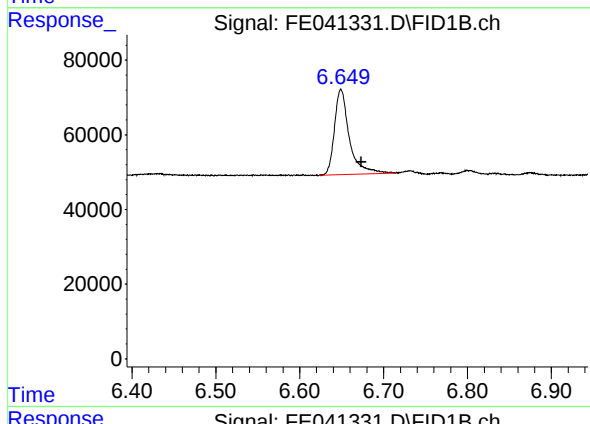
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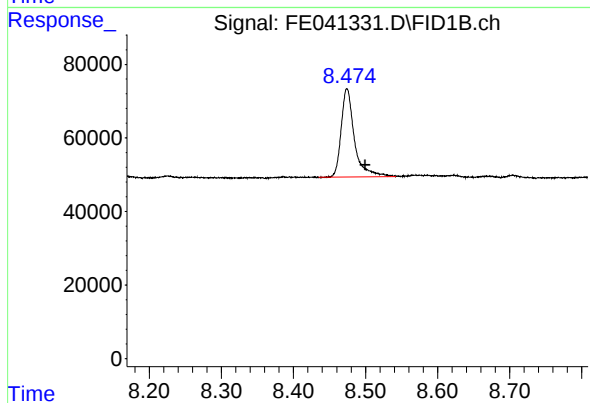
#2 n-Decane (C10)

R.T.: 4.485 min
Delta R.T.: -0.024 min
Response: 225283
Conc: 1.32 ug/ml



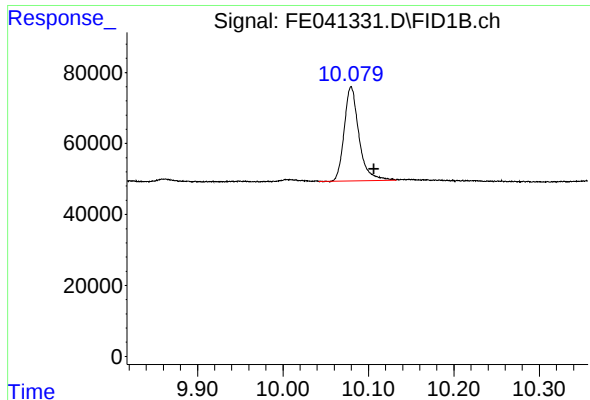
#4 n-Dodecane (C12)

R.T.: 6.649 min
Delta R.T.: -0.024 min
Response: 282143
Conc: 1.63 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.474 min
Delta R.T.: -0.026 min
Response: 308619
Conc: 1.77 ug/ml



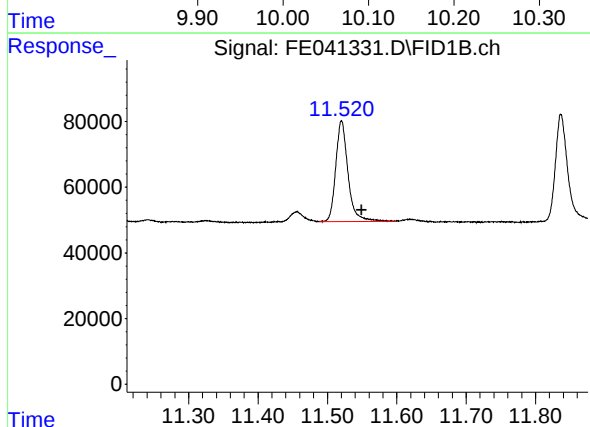
#7 n-Hexadecane (C16)

R.T.: 10.080 min
Delta R.T.: -0.027 min
Response: 316875
Conc: 1.78 ug/ml

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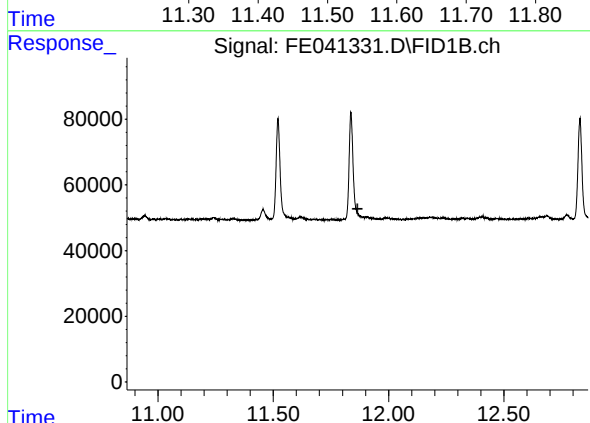
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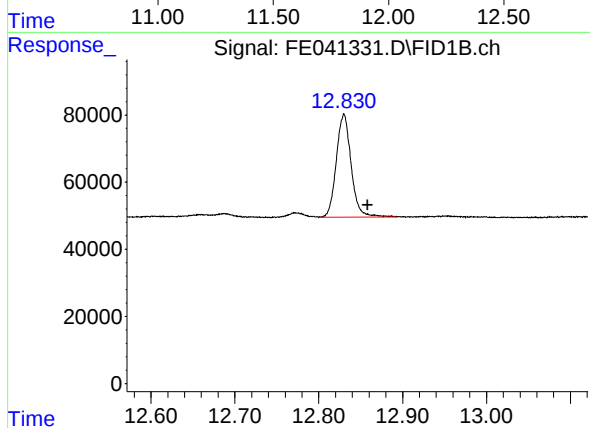
#8 n-Octadecane (C18)

R.T.: 11.520 min
Delta R.T.: -0.029 min
Response: 379136
Conc: 2.12 ug/ml



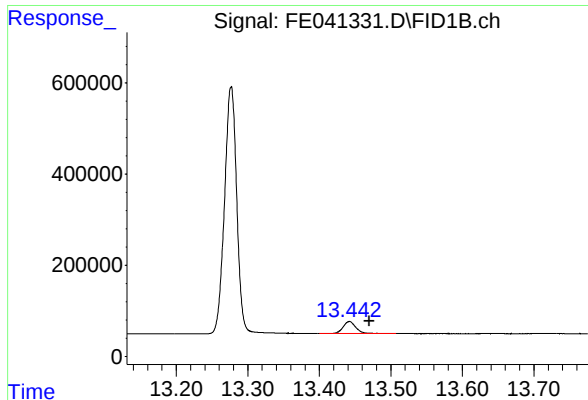
#9 ortho-Terphenyl (SURR)

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: 374851
Conc: 2.20 ug/ml



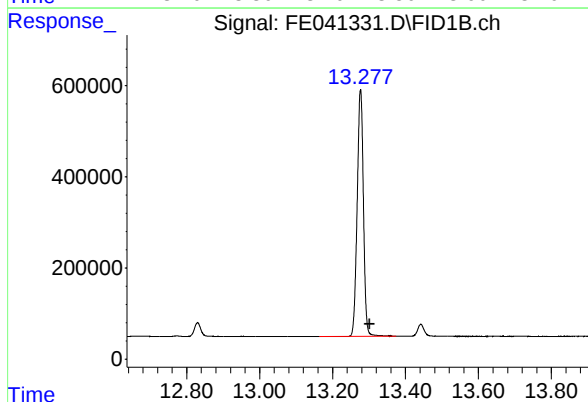
#11 n-Heneicosane (C21)

R.T.: 13.442 min
Delta R.T.: -0.028 min
Response: 319956
Conc: 1.89 ug/ml

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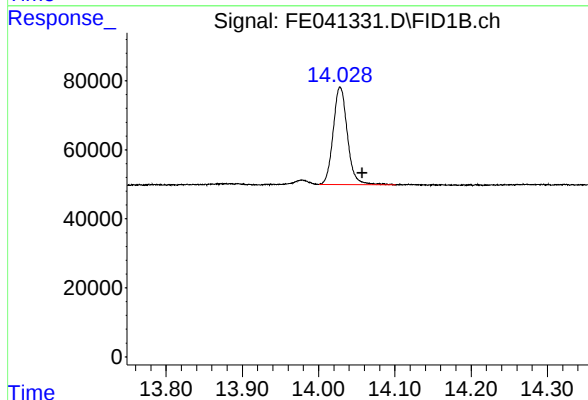
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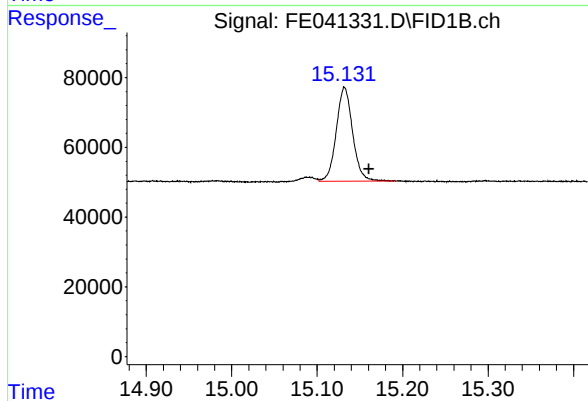
#12 1-chlorooctadecane (SURR)

R.T.: 13.277 min
Delta R.T.: -0.025 min
Response: 6421792
Conc: 44.63 ug/ml



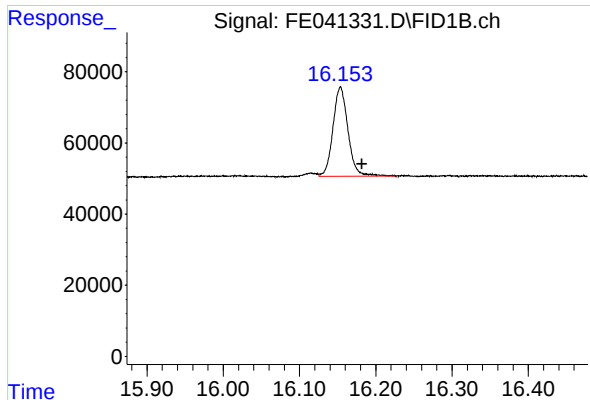
#13 n-Docosane (C22)

R.T.: 14.028 min
Delta R.T.: -0.029 min
Response: 368526
Conc: 2.23 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.132 min
Delta R.T.: -0.029 min
Response: 359818
Conc: 2.22 ug/ml



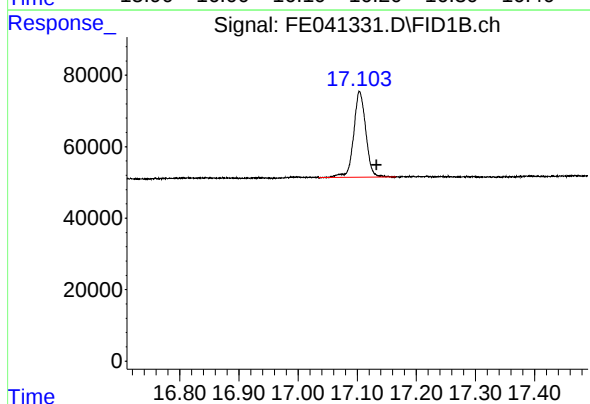
#15 n-Hexacosane (C26)

R.T.: 16.154 min
Delta R.T.: -0.028 min
Response: 345381
Conc: 2.23 ug/ml

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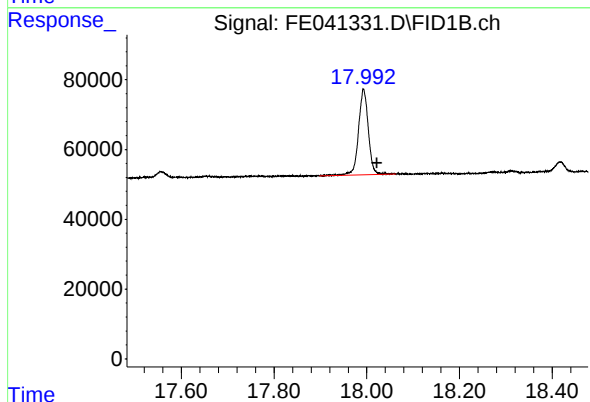
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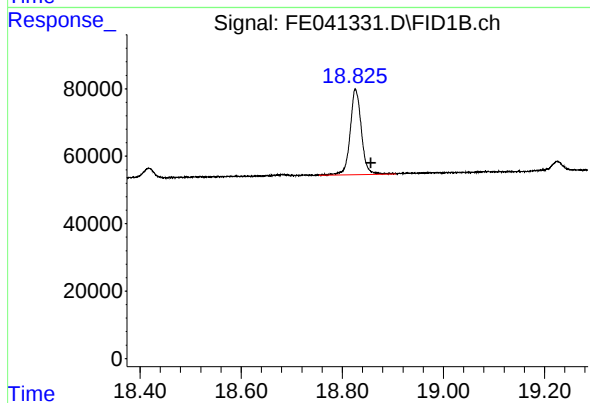
#16 n-Octacosane (C28)

R.T.: 17.104 min
Delta R.T.: -0.029 min
Response: 342349
Conc: 2.23 ug/ml



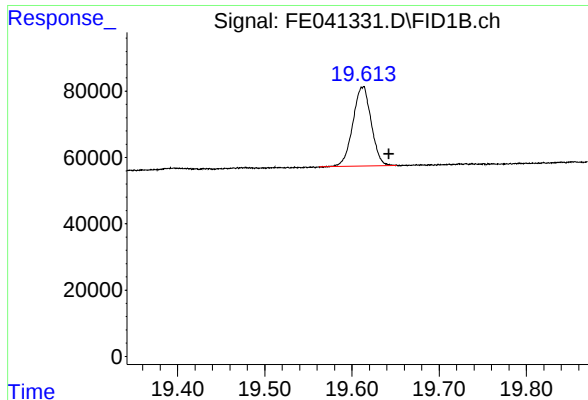
#17 n-Tricontane (C30)

R.T.: 17.993 min
Delta R.T.: -0.029 min
Response: 359893
Conc: 2.35 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.825 min
Delta R.T.: -0.032 min
Response: 390927
Conc: 2.50 ug/ml m



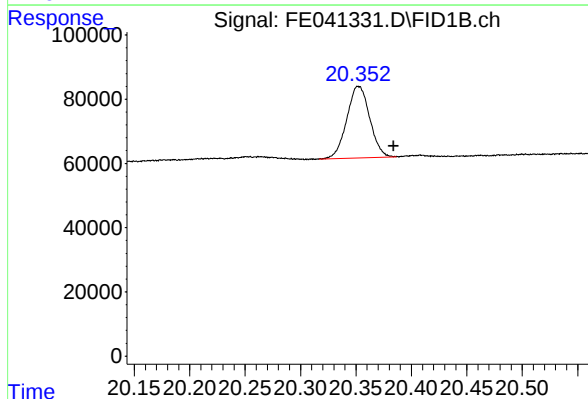
#19 n-Tetratriacontane (C34)

R.T.: 19.613 min
Delta R.T.: -0.029 min
Response: 348035
Conc: 2.25 ug/ml

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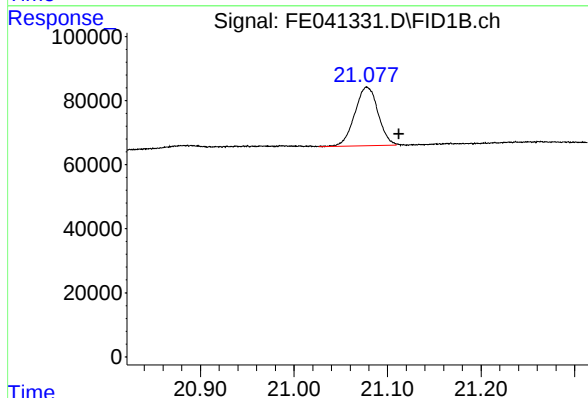
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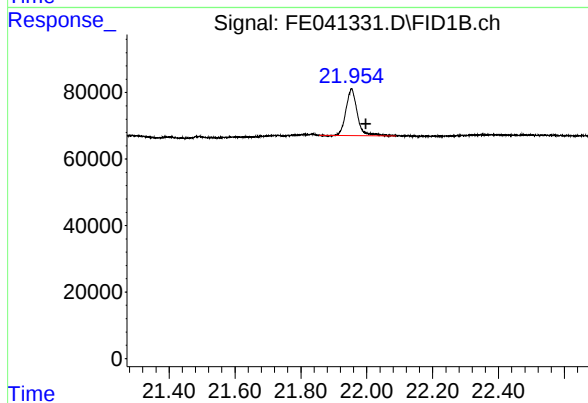
#20 n-Hexatriacontane (C36)

R.T.: 20.352 min
Delta R.T.: -0.032 min
Response: 320718
Conc: 2.11 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 21.077 min
Delta R.T.: -0.035 min
Response: 318155
Conc: 2.04 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 21.954 min
Delta R.T.: -0.044 min
Response: 334506
Conc: 2.10 ug/ml