

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041223AL\
 Data File : FE041334.D
 Signal(s) : FID1B.ch
 Acq On : 12 Apr 2023 19:16
 Operator : YP\AJ
 Sample : 02213-08
 Misc : 5 PPM WATER LOQ
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 LOQ-WATER-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 07:35:55 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	6861823	47.691 ug/ml
Spiked Amount 50.000		Recovery =	95.38%
Target Compounds			
1) T n-Nonane (C9)	3.237	358878	2.068 ug/ml
2) T n-Decane (C10)	4.483	454006	2.667 ug/ml
4) T n-Dodecane (C12)	6.647	549115	3.166 ug/ml
6) T n-Tetradecane (C14)	8.473	567010	3.252 ug/ml
7) T n-Hexadecane (C16)	10.079	612995	3.447 ug/ml
8) T n-Octadecane (C18)	11.521	701155	3.927 ug/ml
10) T n-Eicosane (C20)	12.829	701302	4.111 ug/ml
11) T n-Heneicosane (C21)	13.442	650921	3.847 ug/ml
13) T n-Docosane (C22)	14.029	681092	4.116 ug/ml
14) T n-Tetracosane (C24)	15.132	677556	4.188 ug/ml
15) T n-Hexacosane (C26)	16.153	661235	4.266 ug/ml
16) T n-Octacosane (C28)	17.104	645597	4.215 ug/ml
17) T n-Tricontane (C30)	17.994	658843	4.310 ug/ml
18) T n-Dotriacontane (C32)	18.827	685979	4.394 ug/mlm
19) T n-Tetratriacontane (C34)	19.612	681458	4.397 ug/mlm
20) T n-Hexatriacontane (C36)	20.353	632208	4.162 ug/ml
21) T n-Octatriacontane (C38)	21.075	623478	3.991 ug/mlm
22) T n-Tetracontane (C40)	21.951	617164	3.867 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ
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Misc : 5 PPM WATER LOQ
ALS Vial : 27 Sample Multiplier: 1

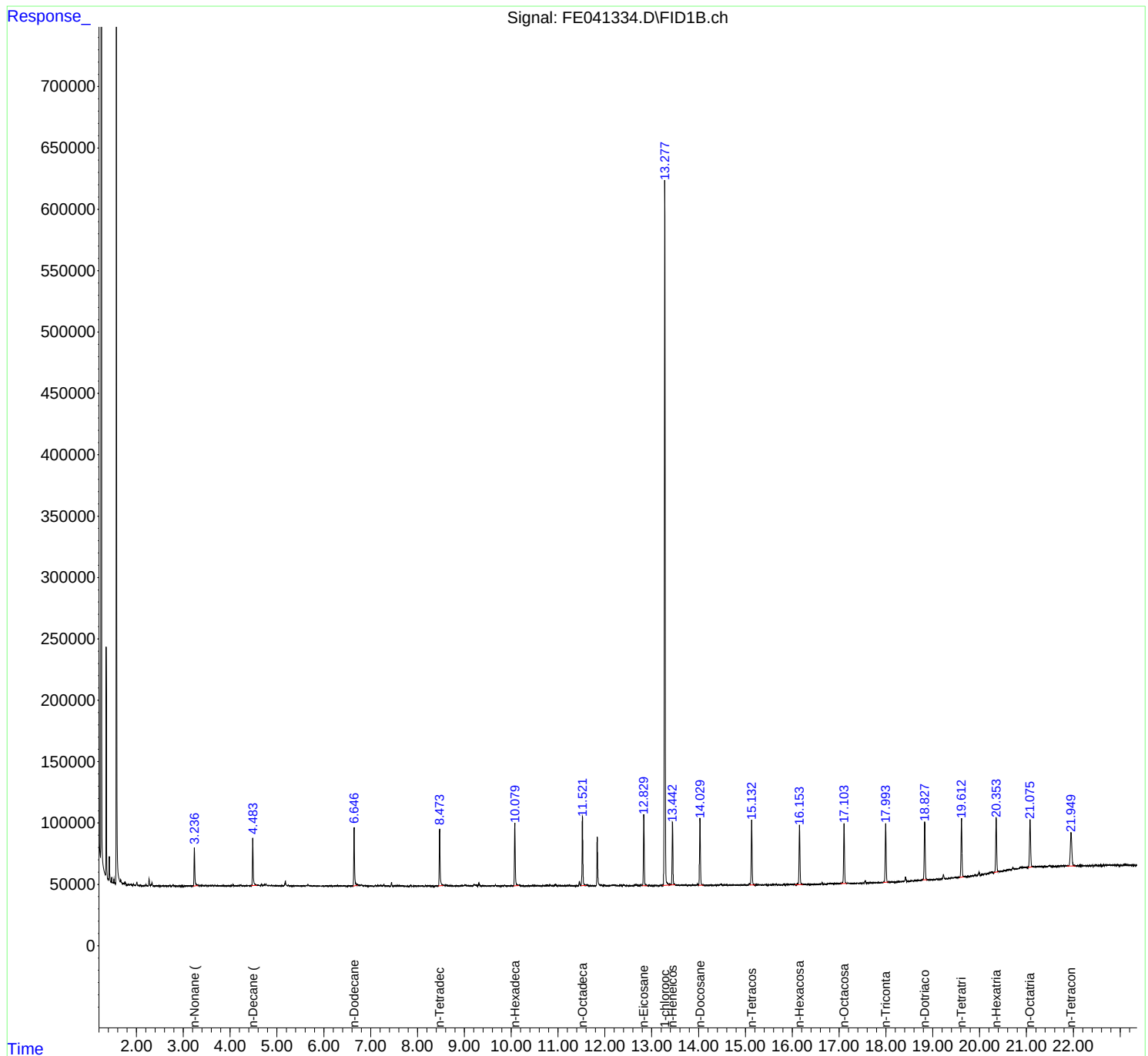
Instrument :
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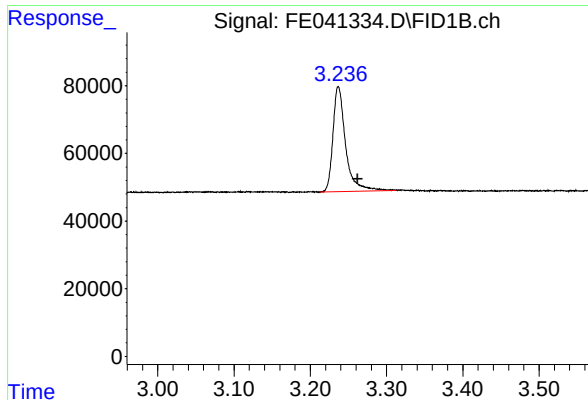
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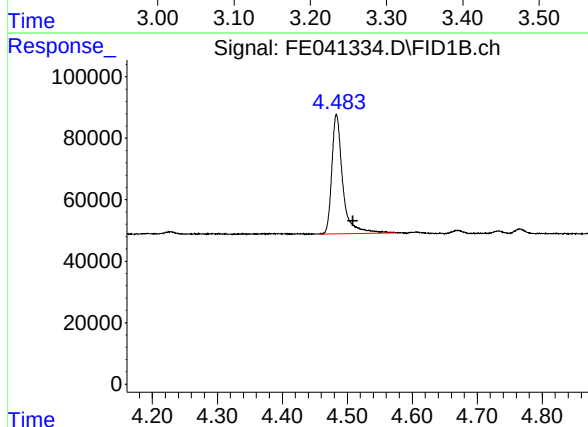
#1 n-Nonane (C9)

R.T.: 3.237 min
Delta R.T.: -0.025 min
Response: 358878
Conc: 2.07 ug/ml

Instrument :
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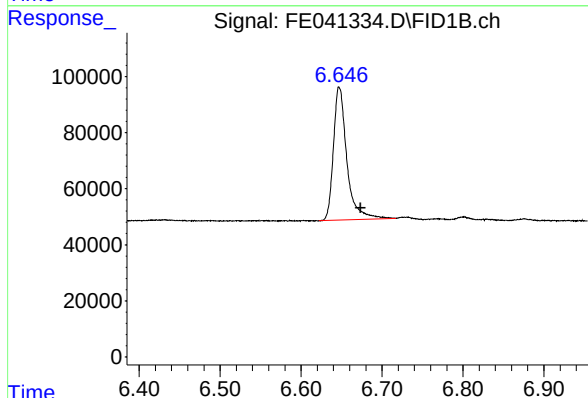
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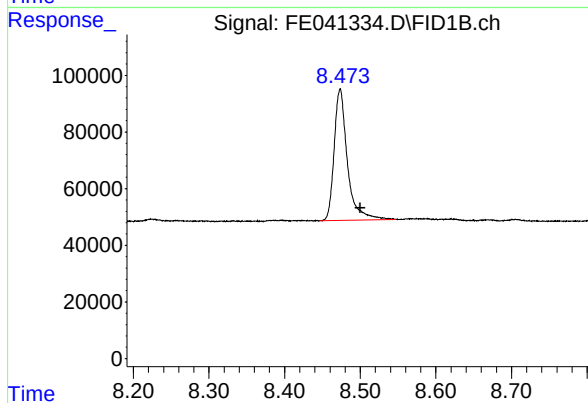
#2 n-Decane (C10)

R.T.: 4.483 min
Delta R.T.: -0.025 min
Response: 454006
Conc: 2.67 ug/ml



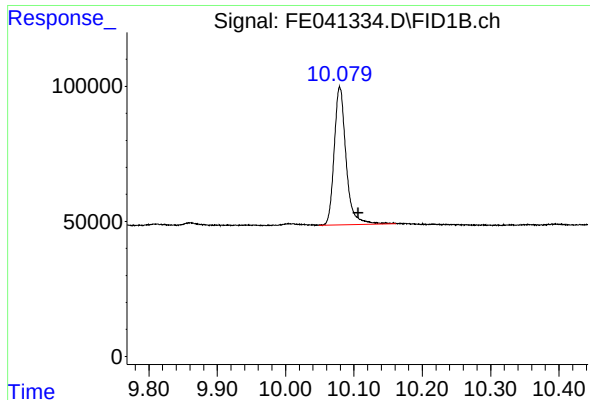
#4 n-Dodecane (C12)

R.T.: 6.647 min
Delta R.T.: -0.026 min
Response: 549115
Conc: 3.17 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.473 min
Delta R.T.: -0.027 min
Response: 567010
Conc: 3.25 ug/ml



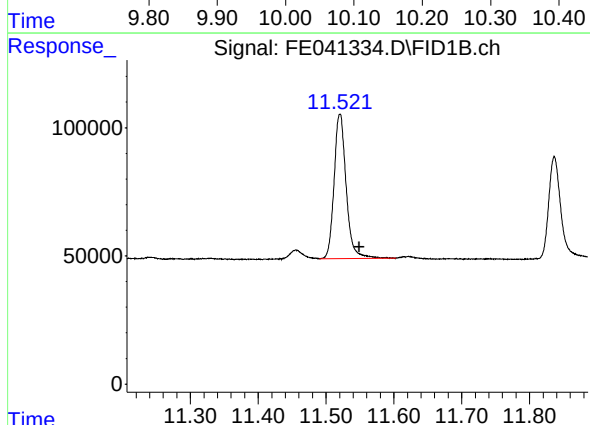
#7 n-Hexadecane (C16)

R.T.: 10.079 min
Delta R.T.: -0.027 min
Response: 612995
Conc: 3.45 ug/ml

Instrument :
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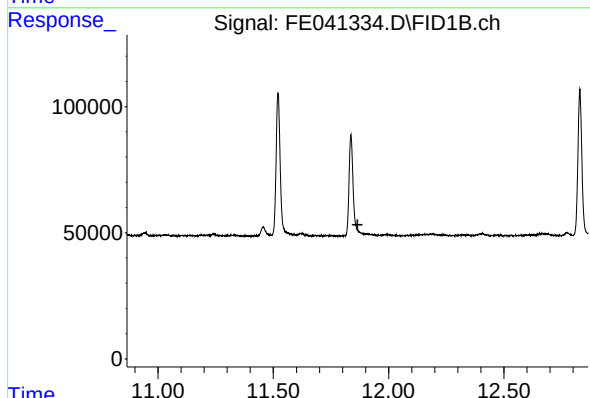
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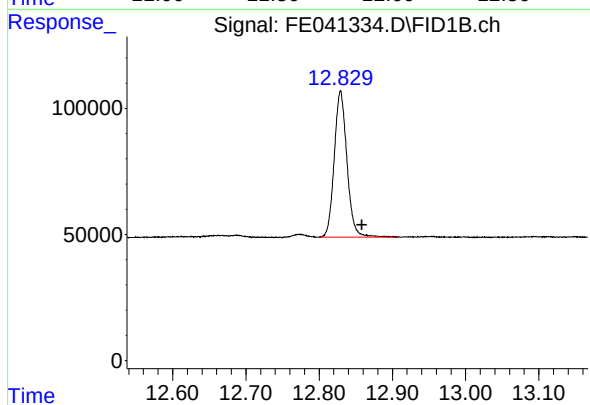
#8 n-Octadecane (C18)

R.T.: 11.521 min
Delta R.T.: -0.029 min
Response: 701155
Conc: 3.93 ug/ml



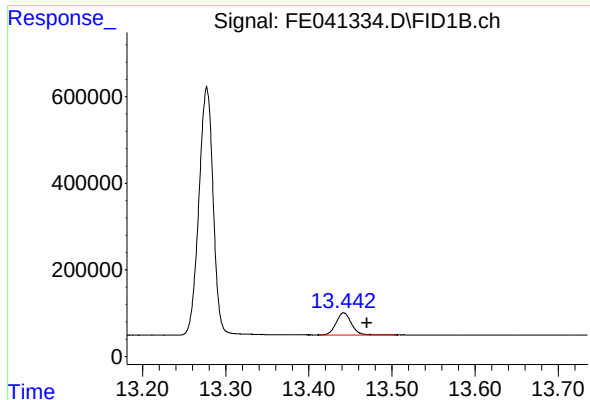
#9 ortho-Terphenyl (SURR)

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: 701302
Conc: 4.11 ug/ml



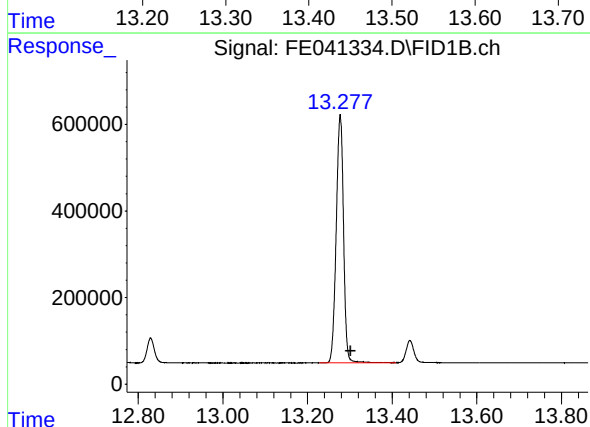
#11 n-Heneicosane (C21)

R.T.: 13.442 min
Delta R.T.: -0.028 min
Response: 650921
Conc: 3.85 ug/ml

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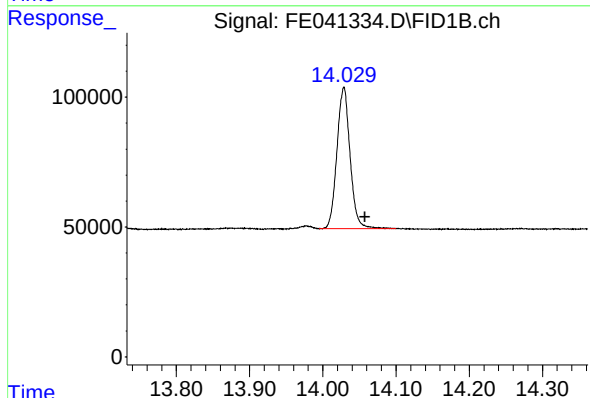
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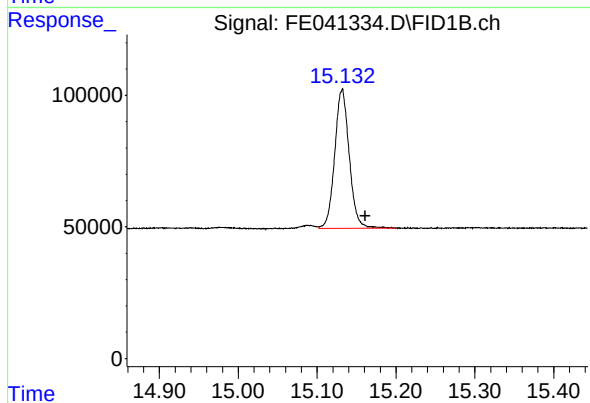
#12 1-chlorooctadecane (SURR)

R.T.: 13.277 min
Delta R.T.: -0.025 min
Response: 6861823
Conc: 47.69 ug/ml



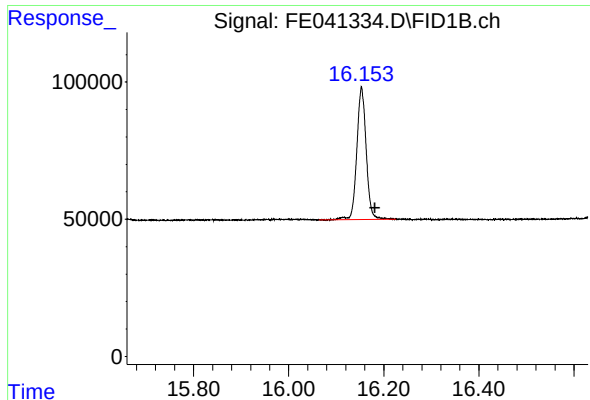
#13 n-Docosane (C22)

R.T.: 14.029 min
Delta R.T.: -0.028 min
Response: 681092
Conc: 4.12 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.132 min
Delta R.T.: -0.029 min
Response: 677556
Conc: 4.19 ug/ml



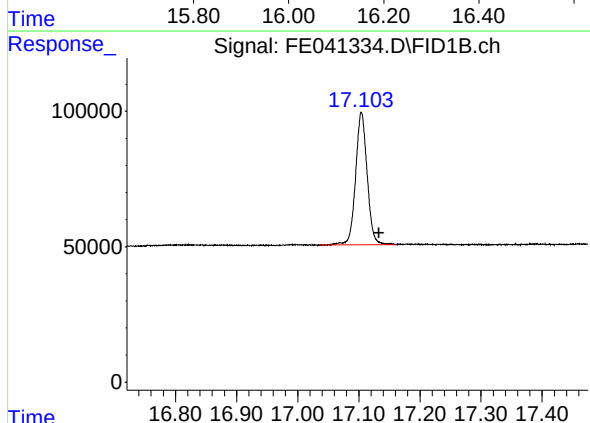
#15 n-Hexacosane (C26)

R.T.: 16.153 min
Delta R.T.: -0.029 min
Response: 661235
Conc: 4.27 ug/ml

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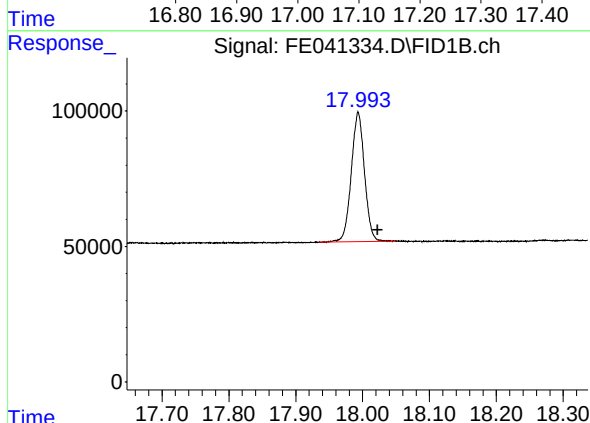
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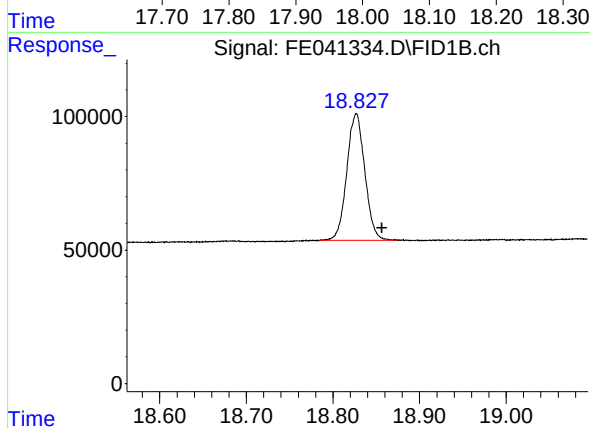
#16 n-Octacosane (C28)

R.T.: 17.104 min
Delta R.T.: -0.029 min
Response: 645597
Conc: 4.21 ug/ml



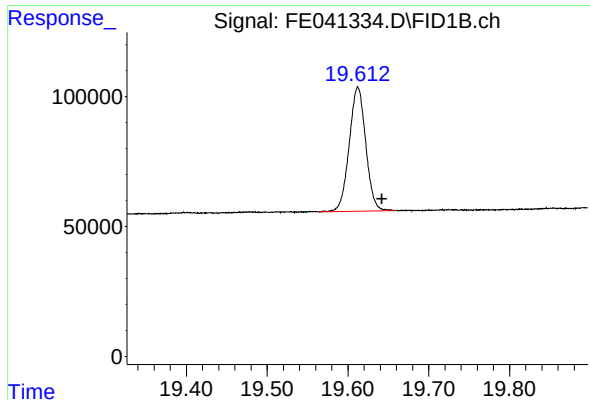
#17 n-Tricontane (C30)

R.T.: 17.994 min
Delta R.T.: -0.029 min
Response: 658843
Conc: 4.31 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.827 min
Delta R.T.: -0.029 min
Response: 685979
Conc: 4.39 ug/ml m



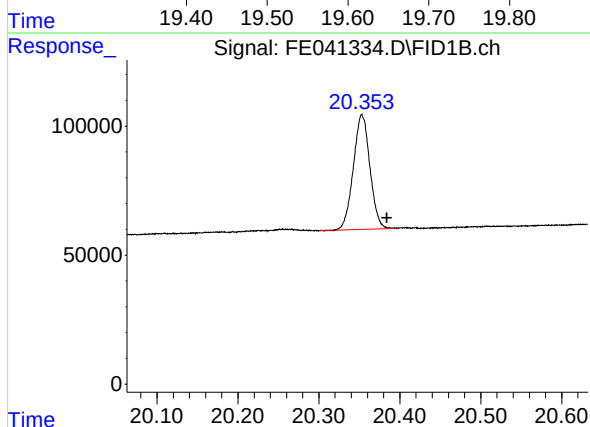
#19 n-Tetratriacontane (C34)

R.T.: 19.612 min
Delta R.T.: -0.031 min
Response: 681458
Conc: 4.40 ug/ml

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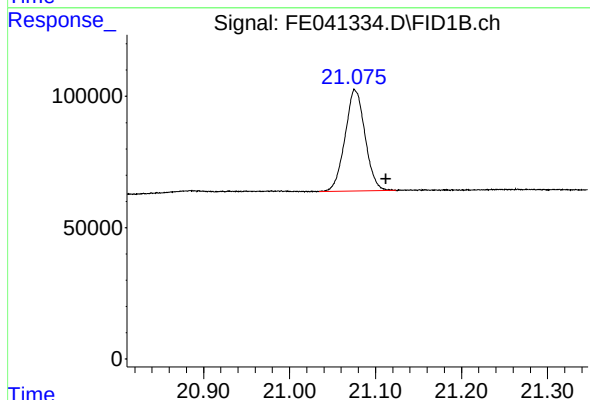
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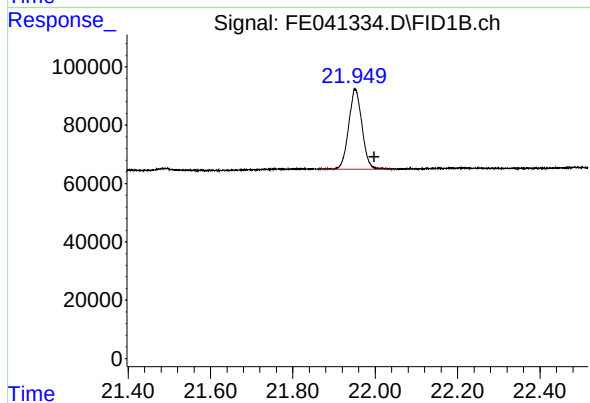
#20 n-Hexatriacontane (C36)

R.T.: 20.353 min
Delta R.T.: -0.031 min
Response: 632208
Conc: 4.16 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.075 min
Delta R.T.: -0.037 min
Response: 623478
Conc: 3.99 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 21.951 min
Delta R.T.: -0.047 min
Response: 617164
Conc: 3.87 ug/ml