

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041223AL\
 Data File : FE041329.D
 Signal(s) : FID1B.ch
 Acq On : 12 Apr 2023 15:31
 Operator : YP\AJ
 Sample : 02213-07
 Misc : 4 PPM WATER LOD
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 LOD-MDL-WATER-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 01:11:10 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...	13.278	6880486	47.821 ug/ml
Spiked Amount 50.000		Recovery =	95.64%
Target Compounds			
1) T n-Nonane (C9)	3.238	329042	1.896 ug/ml
2) T n-Decane (C10)	4.484	399026	2.344 ug/ml
4) T n-Dodecane (C12)	6.648	496230	2.861 ug/ml
6) T n-Tetradecane (C14)	8.473	504804	2.895 ug/ml
7) T n-Hexadecane (C16)	10.080	537385	3.022 ug/ml
8) T n-Octadecane (C18)	11.521	625062	3.501 ug/ml
10) T n-Eicosane (C20)	12.830	642123	3.764 ug/ml
11) T n-Heneicosane (C21)	13.442	593439	3.508 ug/ml
13) T n-Docosane (C22)	14.028	680032	4.109 ug/ml
14) T n-Tetracosane (C24)	15.133	797412	4.929 ug/ml
15) T n-Hexacosane (C26)	16.153	899655	5.804 ug/ml
16) T n-Octacosane (C28)	17.105	979776	6.396 ug/ml
17) T n-Tricontane (C30)	17.994	1170424	7.657 ug/ml
18) T n-Dotriacontane (C32)	18.829	1189403	7.618 ug/mlm
19) T n-Tetratriacontane (C34)	19.612	929778	6.000 ug/mlm
20) T n-Hexatriacontane (C36)	20.356	763488	5.026 ug/ml
21) T n-Octatriacontane (C38)	21.078	675522	4.324 ug/mlm
22) T n-Tetracontane (C40)	21.954	647537	4.057 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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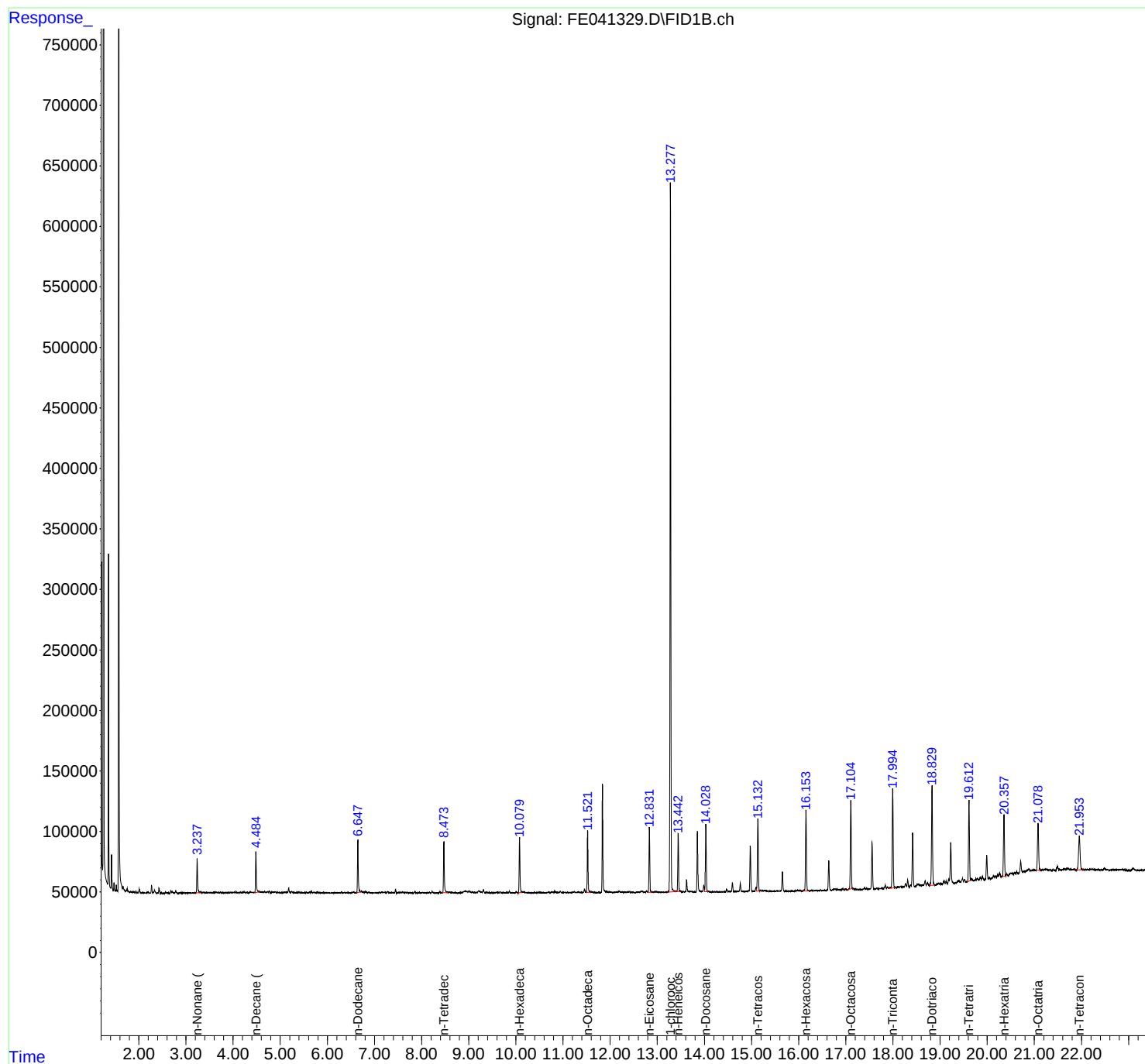
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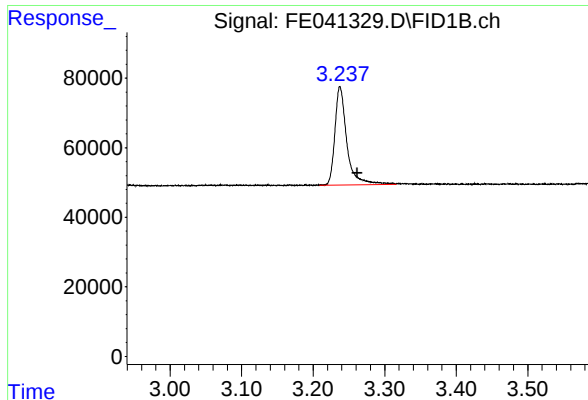
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Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.238 min
Delta R.T.: -0.024 min
Response: 329042
Conc: 1.90 ug/ml

Instrument :

FID_E

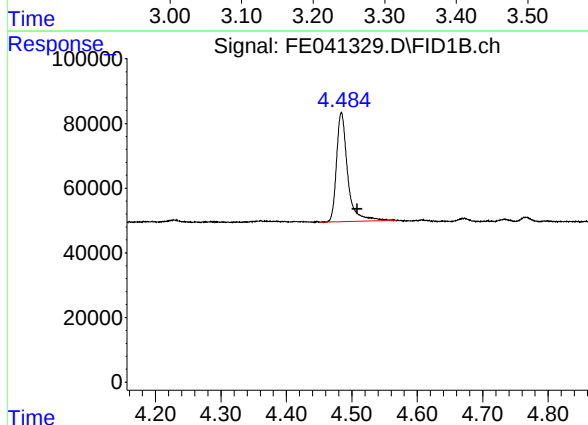
ClientSampleId :

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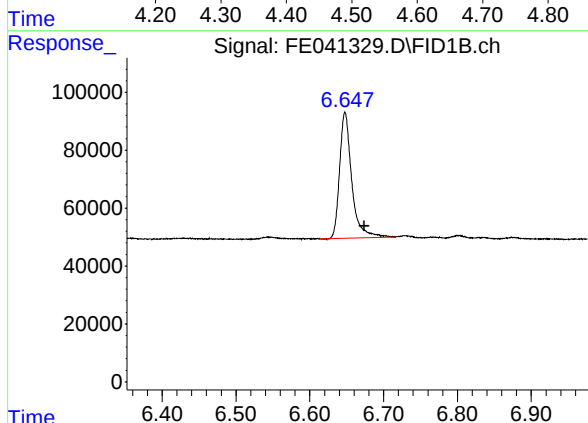
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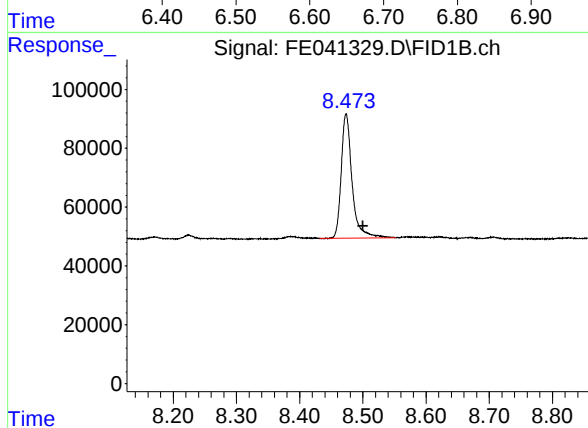
#2 n-Decane (C10)

R.T.: 4.484 min
Delta R.T.: -0.025 min
Response: 399026
Conc: 2.34 ug/ml



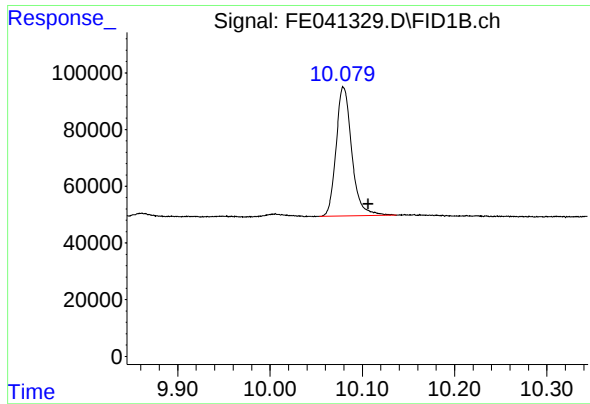
#4 n-Dodecane (C12)

R.T.: 6.648 min
Delta R.T.: -0.026 min
Response: 496230
Conc: 2.86 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.473 min
Delta R.T.: -0.027 min
Response: 504804
Conc: 2.90 ug/ml



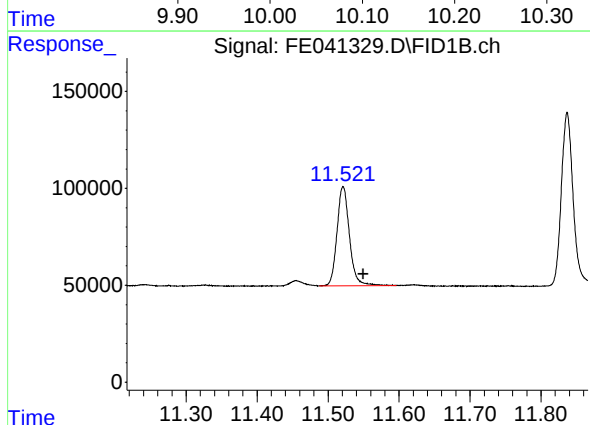
#7 n-Hexadecane (C16)

R.T.: 10.080 min
Delta R.T.: -0.027 min
Response: 537385
Conc: 3.02 ug/ml

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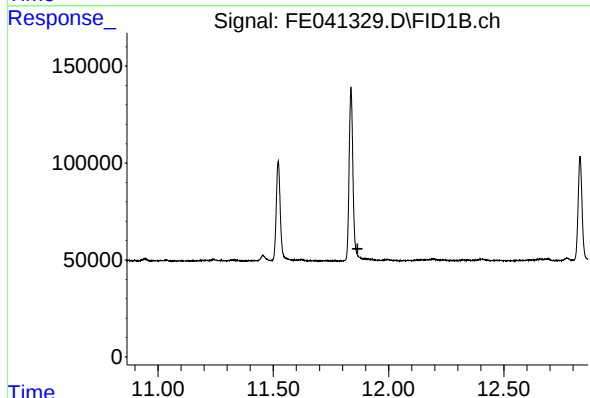
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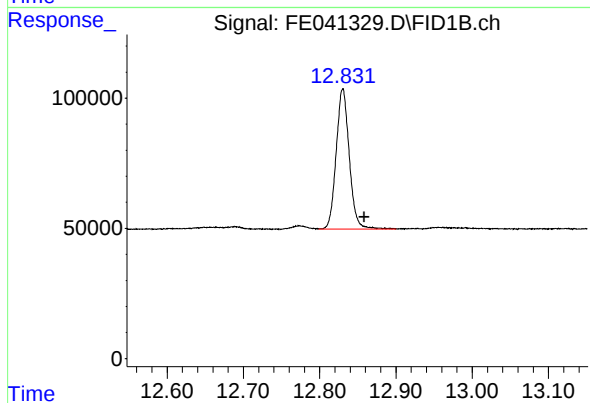
#8 n-Octadecane (C18)

R.T.: 11.521 min
Delta R.T.: -0.028 min
Response: 625062
Conc: 3.50 ug/ml



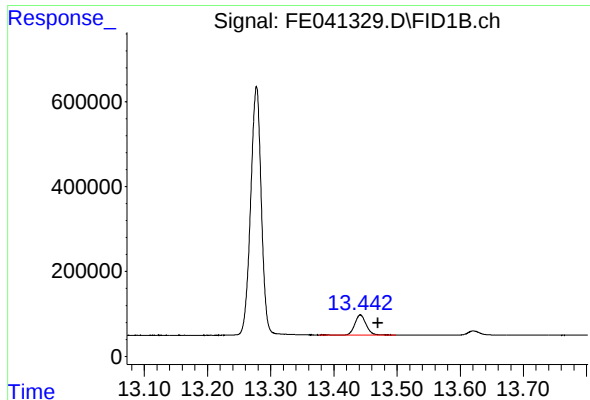
#9 ortho-Terphenyl (SURR)

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: 642123
Conc: 3.76 ug/ml



#11 n-Heneicosane (C21)

R.T.: 13.442 min
Delta R.T.: -0.028 min
Response: 593439
Conc: 3.51 ug/ml

Instrument :

FID_E

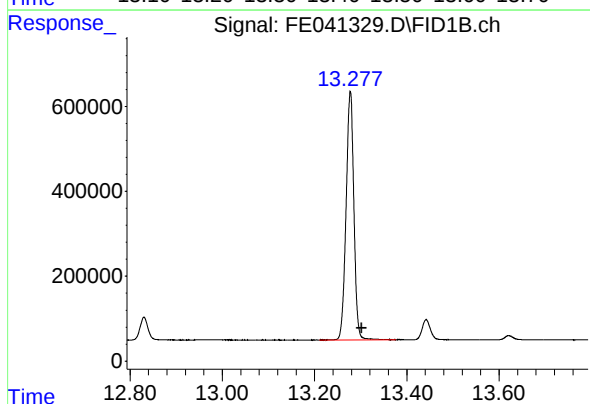
ClientSampleId :

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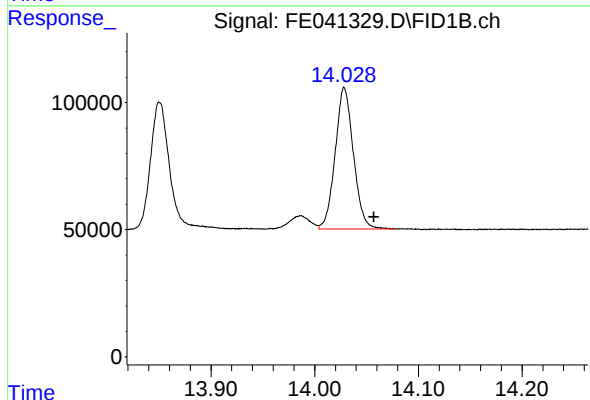
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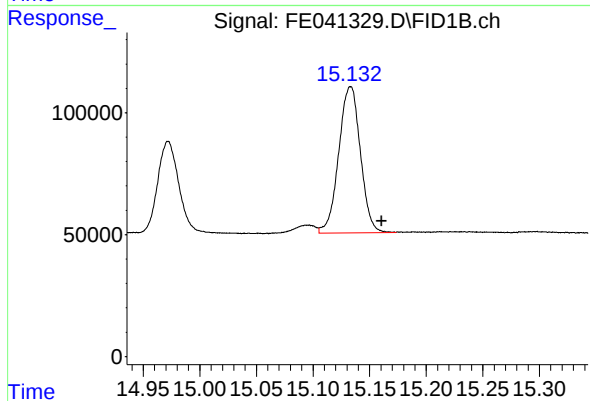
#12 1-chlorooctadecane (SURR)

R.T.: 13.278 min
Delta R.T.: -0.024 min
Response: 6880486
Conc: 47.82 ug/ml



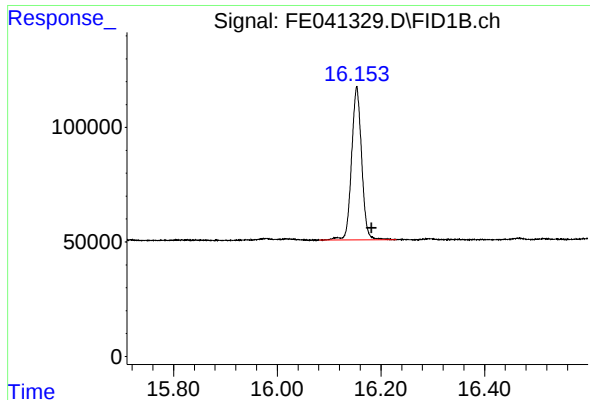
#13 n-Docosane (C22)

R.T.: 14.028 min
Delta R.T.: -0.029 min
Response: 680032
Conc: 4.11 ug/ml



#14 n-Tetracosane (C24)

R.T.: 15.133 min
Delta R.T.: -0.028 min
Response: 797412
Conc: 4.93 ug/ml



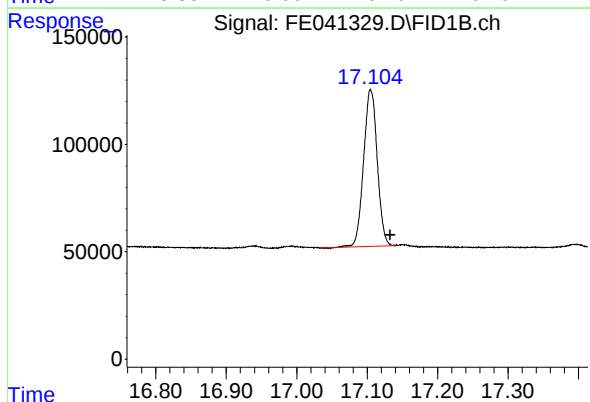
#15 n-Hexacosane (C26)

R.T.: 16.153 min
Delta R.T.: -0.029 min
Response: 899655
Conc: 5.80 ug/ml

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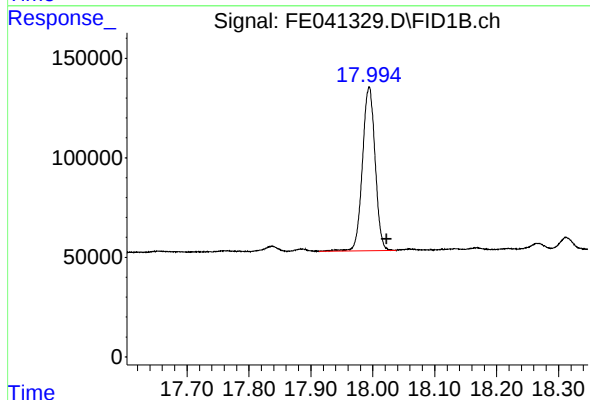
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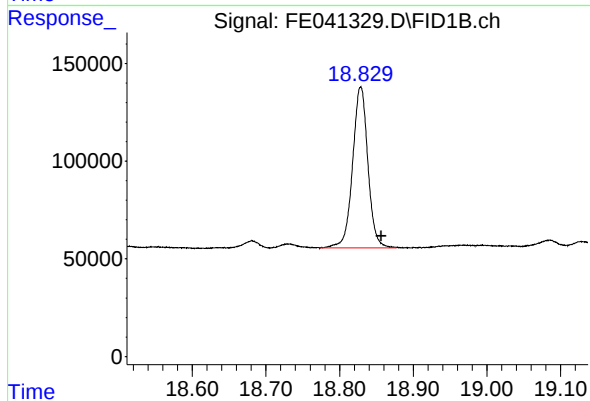
#16 n-Octacosane (C28)

R.T.: 17.105 min
Delta R.T.: -0.028 min
Response: 979776
Conc: 6.40 ug/ml



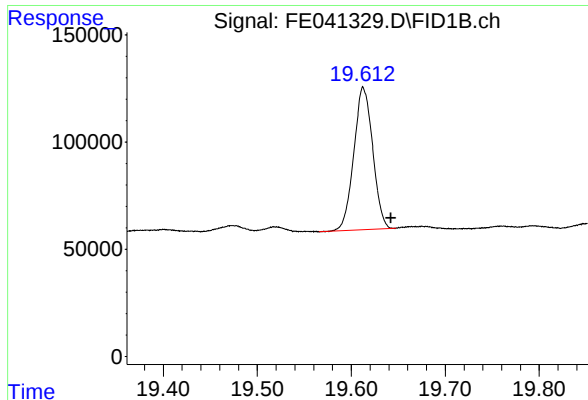
#17 n-Tricontane (C30)

R.T.: 17.994 min
Delta R.T.: -0.028 min
Response: 1170424
Conc: 7.66 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.829 min
Delta R.T.: -0.028 min
Response: 1189403
Conc: 7.62 ug/ml m



#19 n-Tetratriacontane (C34)

R.T.: 19.612 min
Delta R.T.: -0.030 min
Response: 929778
Conc: 6.00 ug/ml

Instrument :

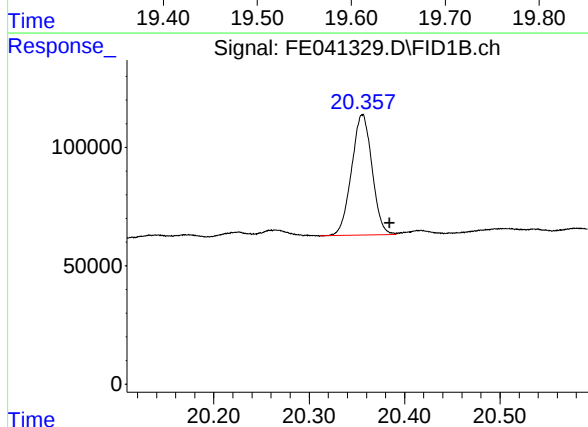
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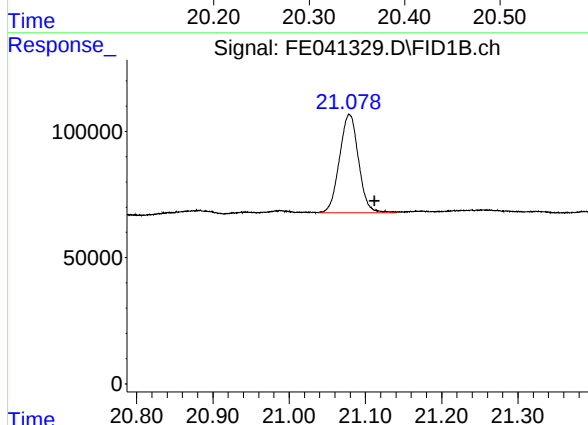
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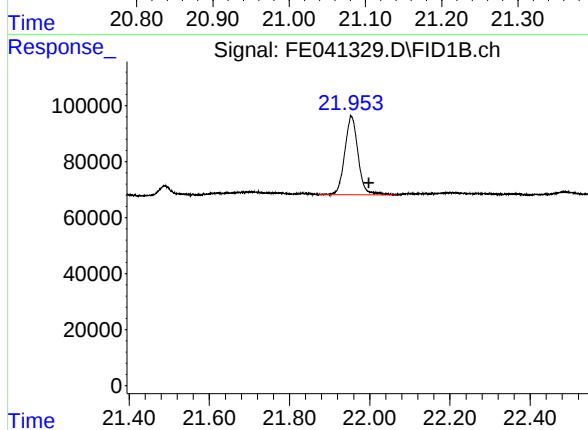
#20 n-Hexatriacontane (C36)

R.T.: 20.356 min
Delta R.T.: -0.028 min
Response: 763488
Conc: 5.03 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.078 min
Delta R.T.: -0.034 min
Response: 675522
Conc: 4.32 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 21.954 min
Delta R.T.: -0.044 min
Response: 647537
Conc: 4.06 ug/ml