

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AL\
 Data File : FD048477.D
 Signal(s) : FID2B.ch
 Acq On : 12 Oct 2024 10:26
 Operator : YP/AJ
 Sample : P4368-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/14/2024
 Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e
 Quant Time: Oct 14 05:27:58 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 101024.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 10 14:48:19 2024
 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...	12.708	6133697	41.002 ug/ml
Spiked Amount 50.000		Recovery =	82.00%
Target Compounds			
1) T n-Nonane (C9)	3.128	210425	1.253 ug/ml
2) T n-Decane (C10)	4.173	251145	1.447 ug/ml
4) T n-Dodecane (C12)	6.165	319886	1.827 ug/ml
6) T n-Tetradecane (C14)	7.945	308688	1.769 ug/ml
7) T n-Hexadecane (C16)	9.535	308050	1.709 ug/ml
8) T n-Octadecane (C18)	10.966	338000	1.862 ug/ml
10) T n-Eicosane (C20)	12.266	367577	2.107 ug/ml
11) T n-Heneicosane (C21)	12.874	366472	2.142 ug/ml
13) T n-Docosane (C22)	13.458	374253	2.191 ug/ml
14) T n-Tetracosane (C24)	14.553	372886	2.201 ug/mlm
15) T n-Hexacosane (C26)	15.569	356868	2.156 ug/mlm
16) T n-Octacosane (C28)	16.515	355459	2.159 ug/mlm
17) T n-Tricontane (C30)	17.396	369919	2.158 ug/mlm
18) T n-Dotriacontane (C32)	18.223	358062	2.140 ug/mlm
19) T n-Tetratriacontane (C34)	19.001	350165	2.427 ug/mlm
20) T n-Hexatriacontane (C36)	19.738	356328	2.968 ug/mlm
21) T n-Octatriacontane (C38)	20.435	273983	2.447 ug/mlm
22) T n-Tetracontane (C40)	21.220	234882	2.346 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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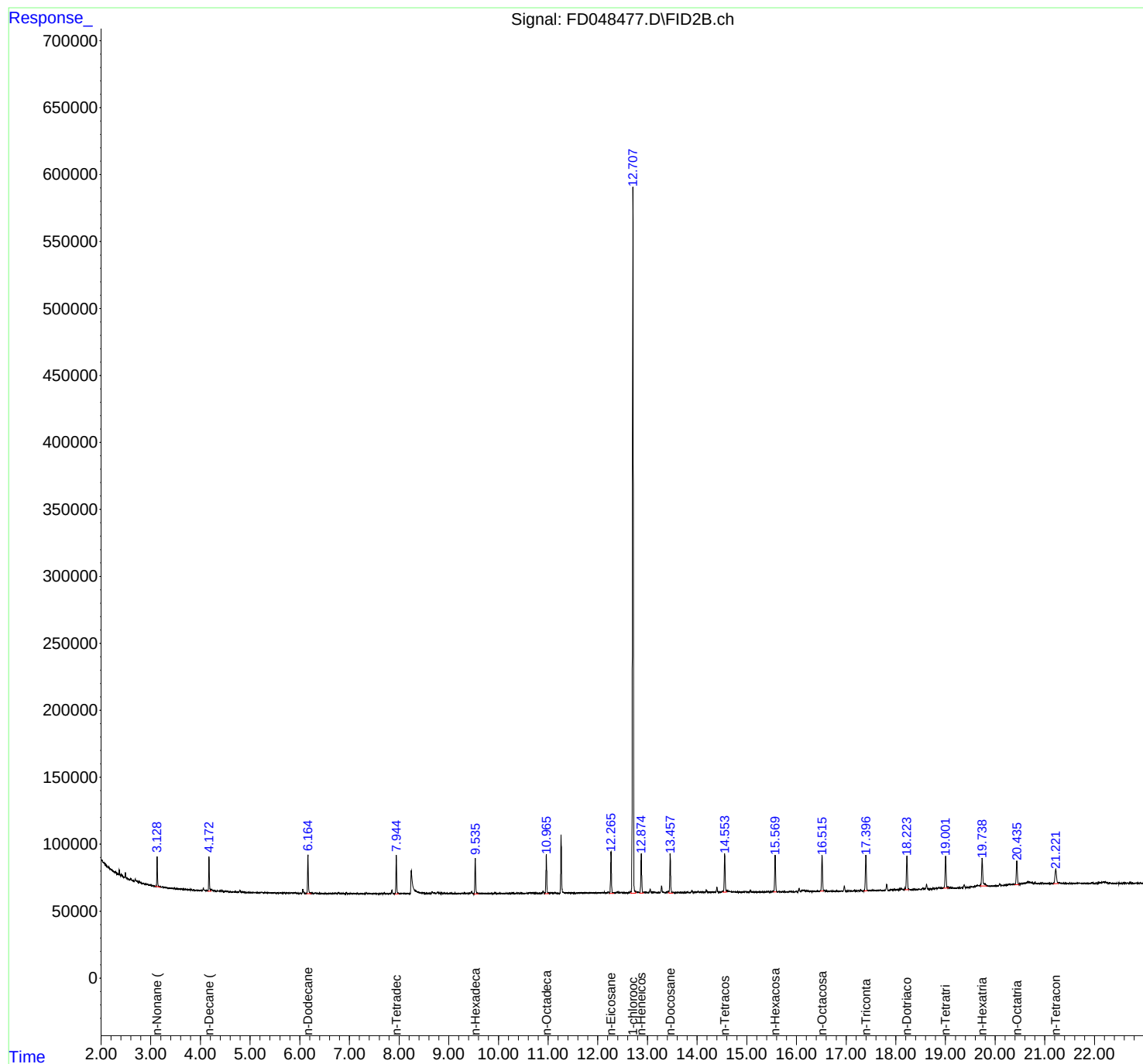
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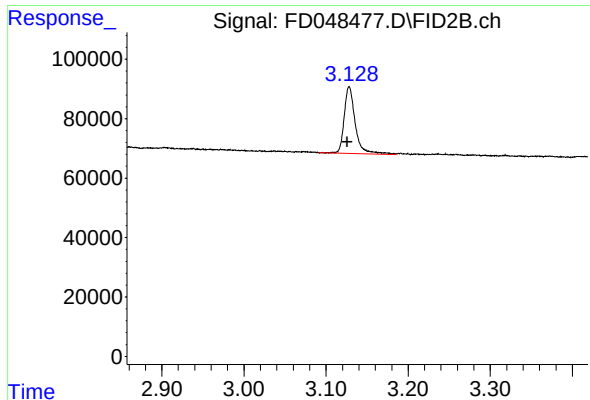
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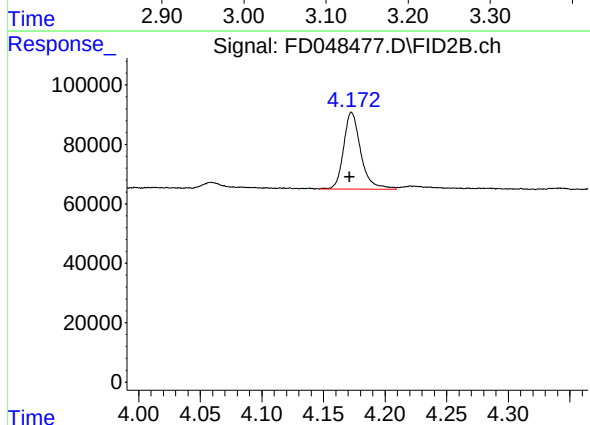
#1 n-Nonane (C9)

R.T.: 3.128 min
Delta R.T.: 0.002 min
Response: 210425
Conc: 1.25 ug/ml

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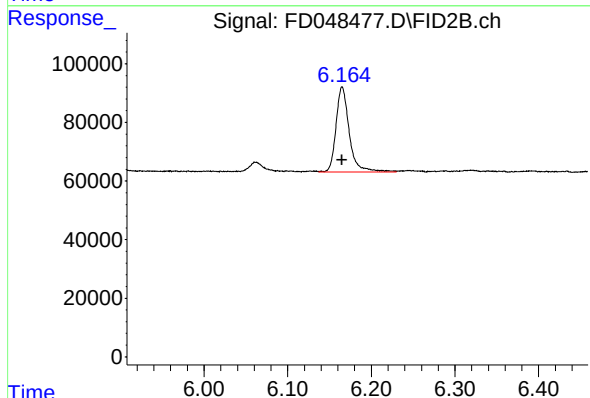
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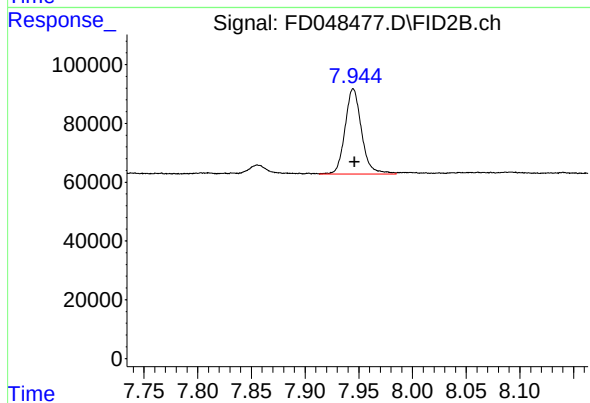
#2 n-Decane (C10)

R.T.: 4.173 min
Delta R.T.: 0.002 min
Response: 251145
Conc: 1.45 ug/ml



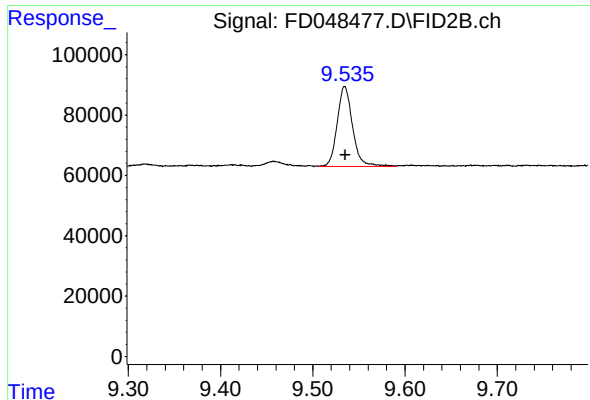
#4 n-Dodecane (C12)

R.T.: 6.165 min
Delta R.T.: 0.000 min
Response: 319886
Conc: 1.83 ug/ml



#6 n-Tetradecane (C14)

R.T.: 7.945 min
Delta R.T.: -0.001 min
Response: 308688
Conc: 1.77 ug/ml



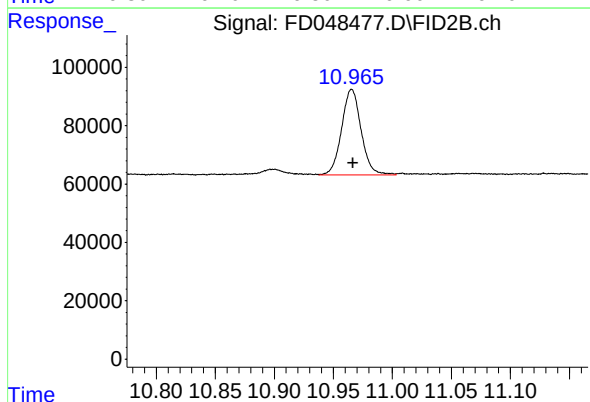
#7 n-Hexadecane (C16)

R.T.: 9.535 min
Delta R.T.: 0.000 min
Response: 308050
Conc: 1.71 ug/ml

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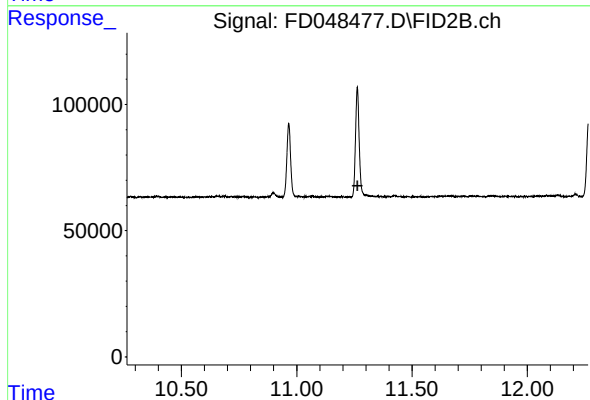
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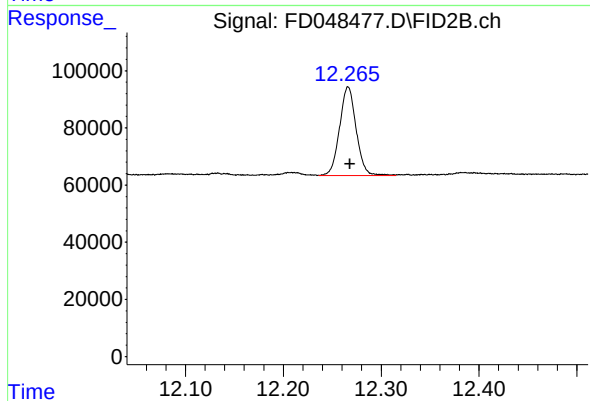
#8 n-Octadecane (C18)

R.T.: 10.966 min
Delta R.T.: -0.001 min
Response: 338000
Conc: 1.86 ug/ml



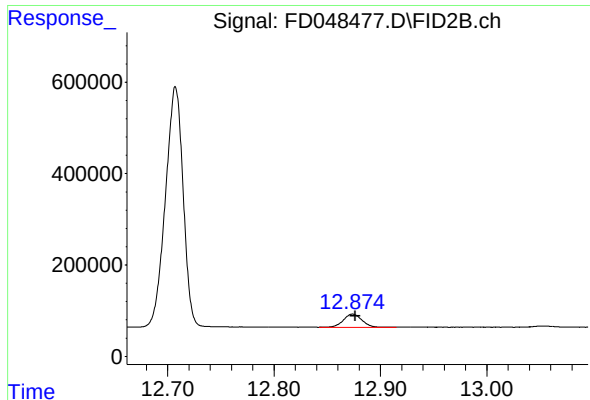
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.264 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.266 min
Delta R.T.: -0.002 min
Response: 367577
Conc: 2.11 ug/ml



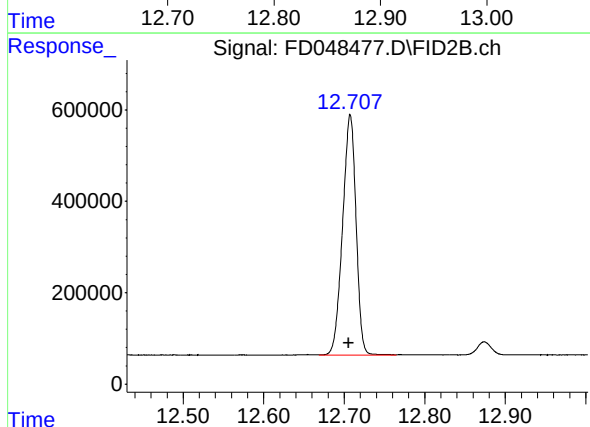
#11 n-Heneicosane (C21)

R.T.: 12.874 min
Delta R.T.: -0.002 min
Response: 366472
Conc: 2.14 ug/ml

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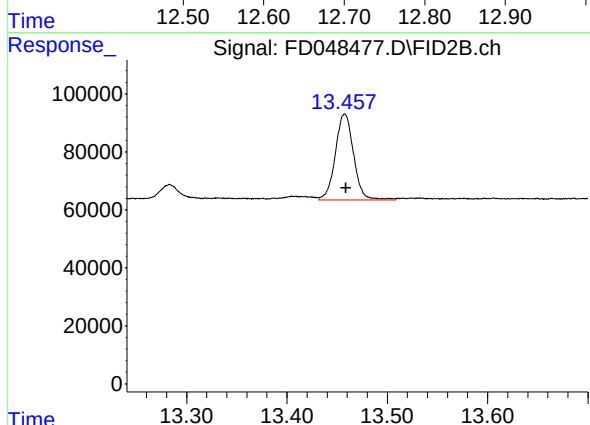
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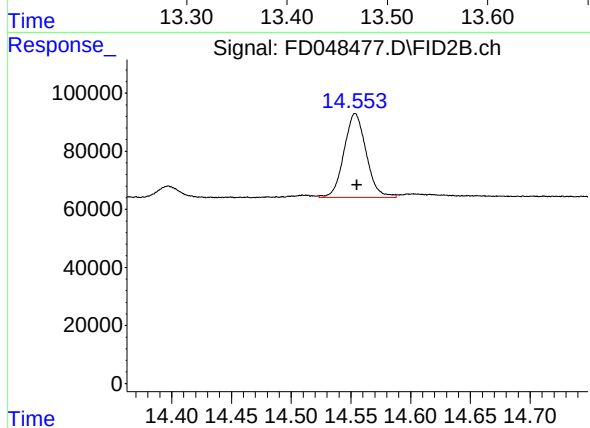
#12 1-chlorooctadecane (SURR)

R.T.: 12.708 min
Delta R.T.: 0.002 min
Response: 6133697
Conc: 41.00 ug/ml



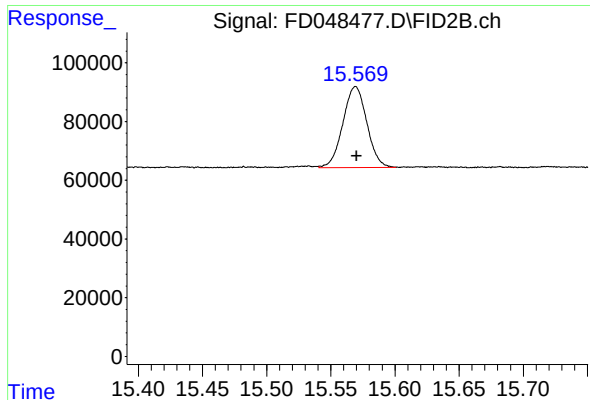
#13 n-Docosane (C22)

R.T.: 13.458 min
Delta R.T.: -0.001 min
Response: 374253
Conc: 2.19 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.553 min
Delta R.T.: -0.002 min
Response: 372886
Conc: 2.20 ug/ml m



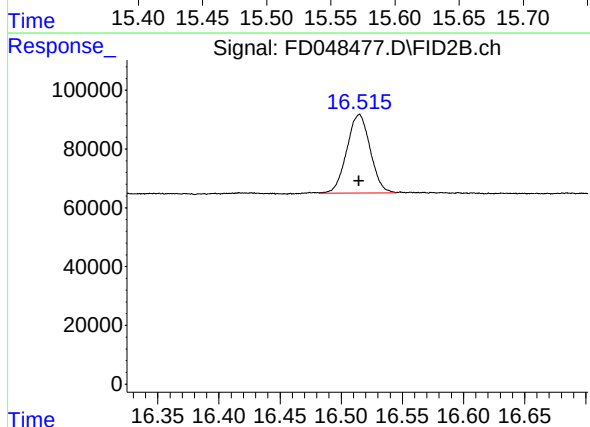
#15 n-Hexacosane (C26)

R.T.: 15.569 min
Delta R.T.: 0.000 min
Response: 356868
Conc: 2.16 ug/ml

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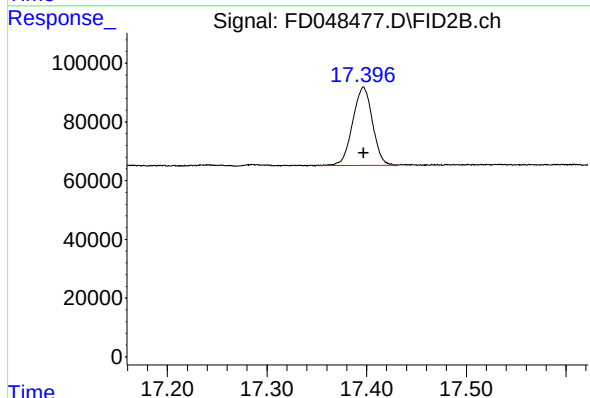
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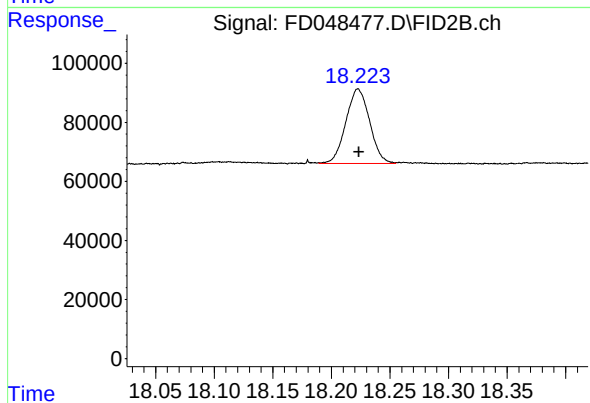
#16 n-Octacosane (C28)

R.T.: 16.515 min
Delta R.T.: 0.000 min
Response: 355459
Conc: 2.16 ug/ml m



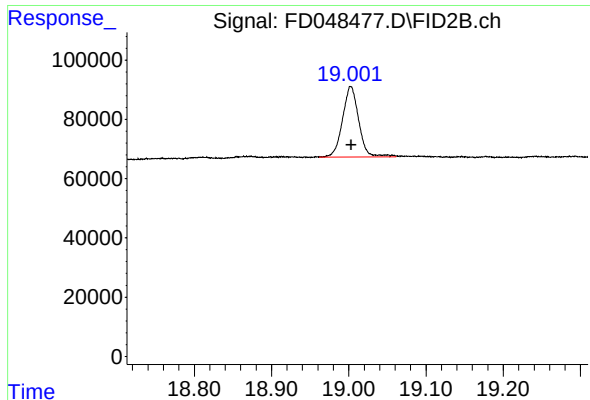
#17 n-Tricontane (C30)

R.T.: 17.396 min
Delta R.T.: 0.000 min
Response: 369919
Conc: 2.16 ug/ml m



#18 n-Dotriacontane (C32)

R.T.: 18.223 min
Delta R.T.: -0.001 min
Response: 358062
Conc: 2.14 ug/ml m



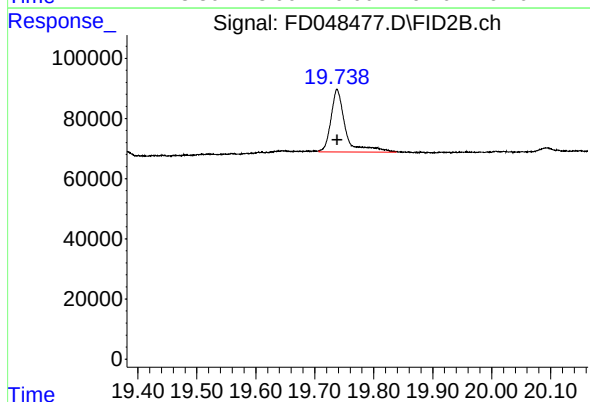
#19 n-Tetratriacontane (C34)

R.T.: 19.001 min
Delta R.T.: -0.002 min
Response: 350165
Conc: 2.43 ug/ml

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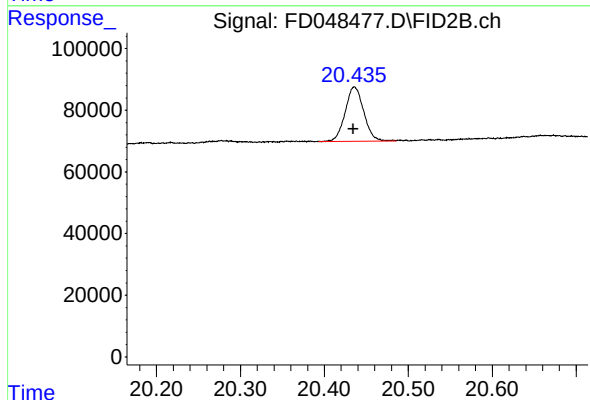
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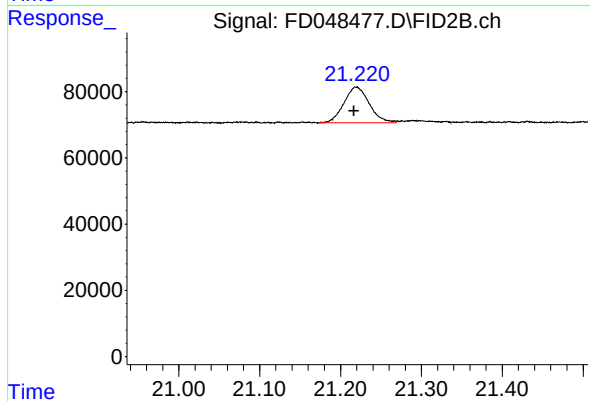
#20 n-Hexatriacontane (C36)

R.T.: 19.738 min
Delta R.T.: 0.000 min
Response: 356328
Conc: 2.97 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 20.435 min
Delta R.T.: 0.000 min
Response: 273983
Conc: 2.45 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 21.220 min
Delta R.T.: 0.004 min
Response: 234882
Conc: 2.35 ug/ml m