

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070522AL\
 Data File : FC060575.D
 Signal(s) : FID1A.ch
 Acq On : 05 Jul 2022 14:09
 Operator : YP/AJ
 Sample : N3214-02
 Misc : 5 PPM SOIL LOQ
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/06/2022
 Supervised By :Ankita Jodhani 07/06/2022

Integration File: autoint1.e
 Quant Time: Jul 06 04:52:56 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 062422.M
 Quant Title : GC Extractables
 Qlast Update : Sat Jun 25 04:15:44 2022
 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...	12.002	5835052	39.588 ug/ml
Spiked Amount 50.000		Recovery =	79.18%
Target Compounds			
1) T n-Nonane (C9)	2.633	431970	2.816 ug/ml
2) T n-Decane (C10)	3.626	589941	3.863 ug/mlm
4) T n-Dodecane (C12)	5.569	1010536	6.253 ug/mlm
6) T n-Tetradecane (C14)	7.318	813335	4.923 ug/mlm
7) T n-Hexadecane (C16)	8.880	827567	4.897 ug/ml
8) T n-Octadecane (C18)	10.286	923249	5.366 ug/ml
10) T n-Eicosane (C20)	11.563	1013883	5.941 ug/ml
11) T n-Heneicosane (C21)	12.160	998496	5.856 ug/ml
13) T n-Docosane (C22)	12.732	1307486	7.670 ug/ml
14) T n-Tetracosane (C24)	13.809	1353445	8.061 ug/ml
15) T n-Hexacosane (C26)	14.806	1447853	8.811 ug/ml
16) T n-Octacosane (C28)	15.733	1581542	9.967 ug/mlm
17) T n-Tricontane (C30)	16.599	1630545	10.712 ug/mlm
18) T n-Dotriacontane (C32)	17.410	1529216	10.520 ug/ml
19) T n-Tetratriacontane (C34)	18.175	1073295	8.450 ug/ml
20) T n-Hexatriacontane (C36)	18.896	790093	7.040 ug/ml
21) T n-Octatriacontane (C38)	19.578	672558	6.144 ug/mlm
22) T n-Tetracontane (C40)	20.225	627696	5.558 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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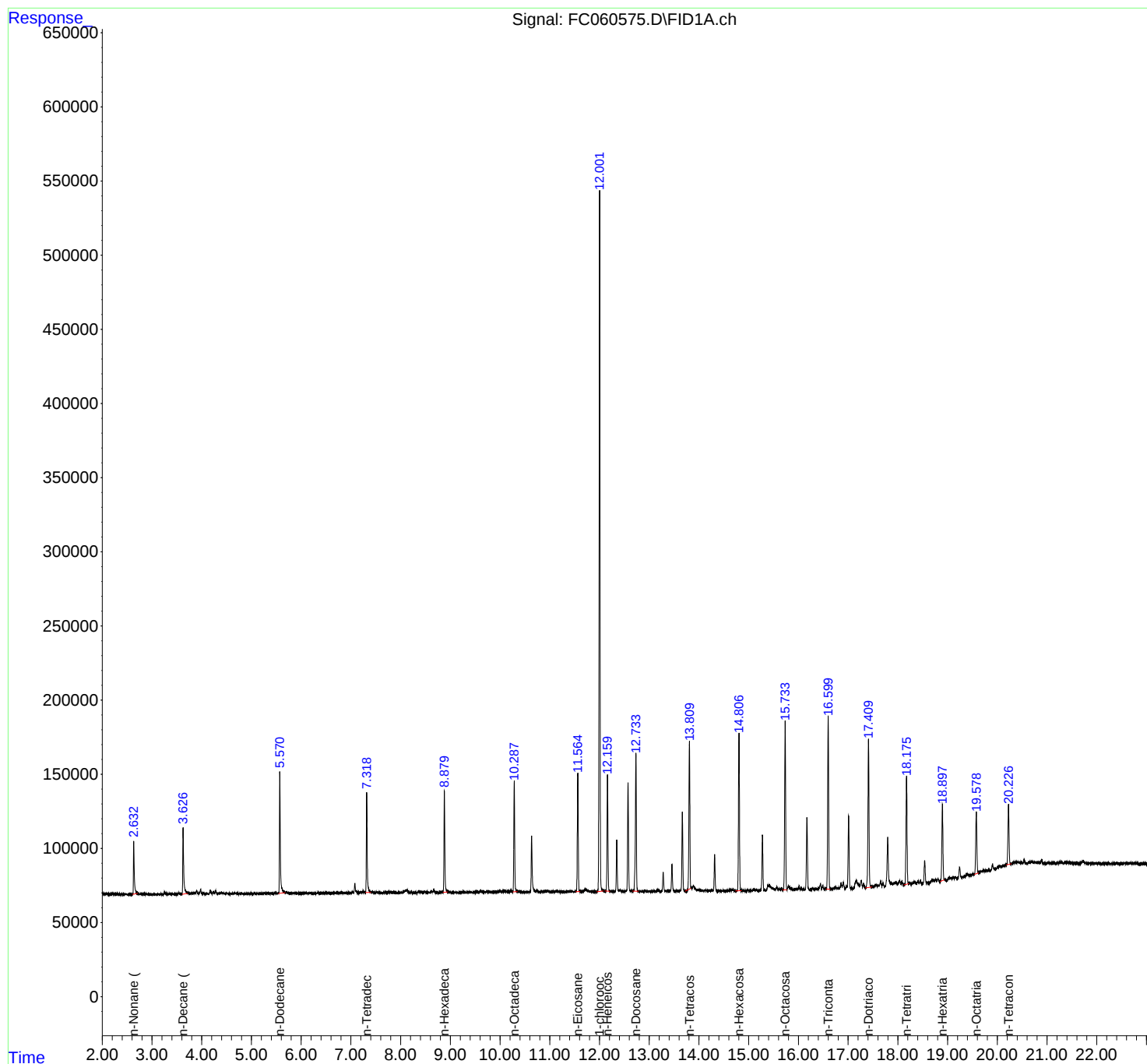
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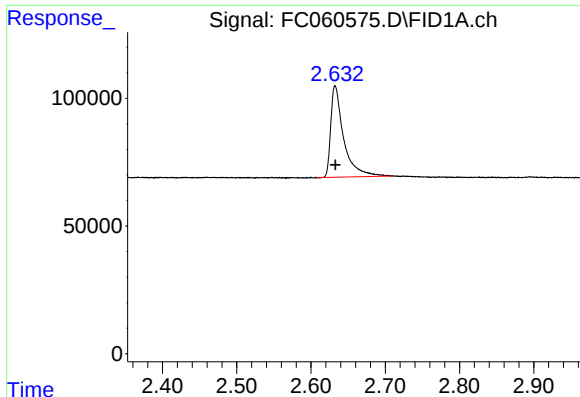
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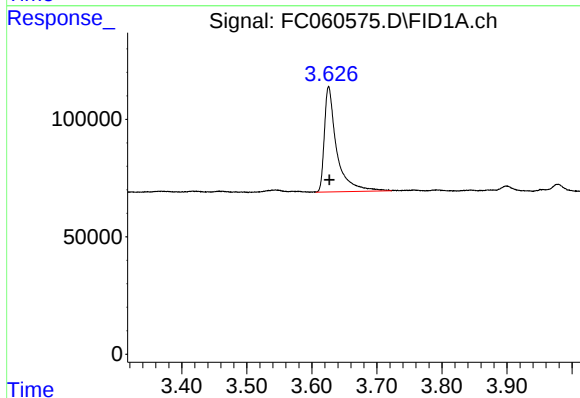
#1 n-Nonane (C9)

R.T.: 2.633 min
Delta R.T.: 0.000 min
Response: 431970
Conc: 2.82 ug/ml

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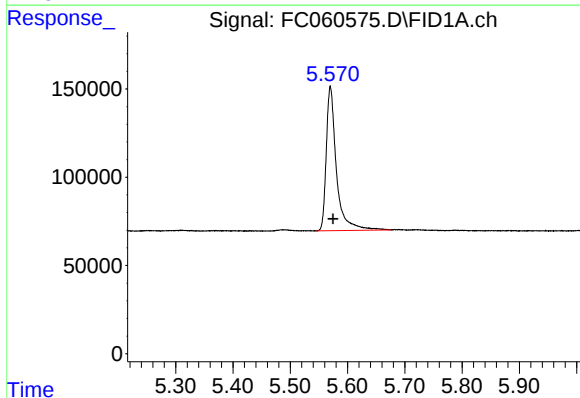
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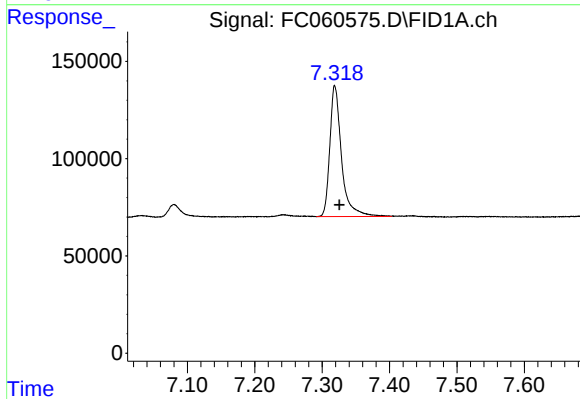
#2 n-Decane (C10)

R.T.: 3.626 min
Delta R.T.: -0.001 min
Response: 589941
Conc: 3.86 ug/ml m



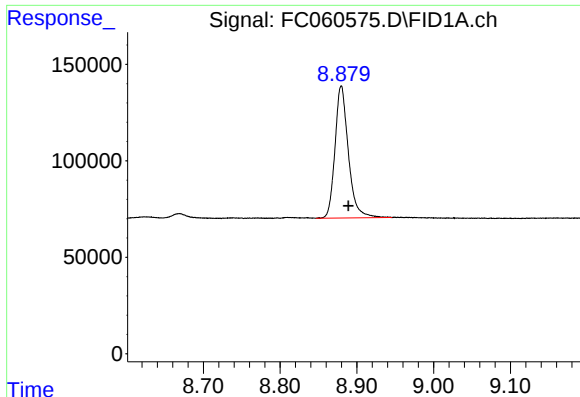
#4 n-Dodecane (C12)

R.T.: 5.569 min
Delta R.T.: -0.005 min
Response: 1010536
Conc: 6.25 ug/ml m



#6 n-Tetradecane (C14)

R.T.: 7.318 min
Delta R.T.: -0.008 min
Response: 813335
Conc: 4.92 ug/ml m



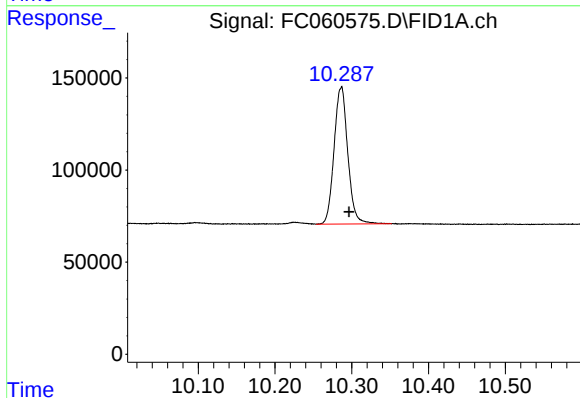
#7 n-Hexadecane (C16)

R.T.: 8.880 min
Delta R.T.: -0.009 min
Response: 827567
Conc: 4.90 ug/ml

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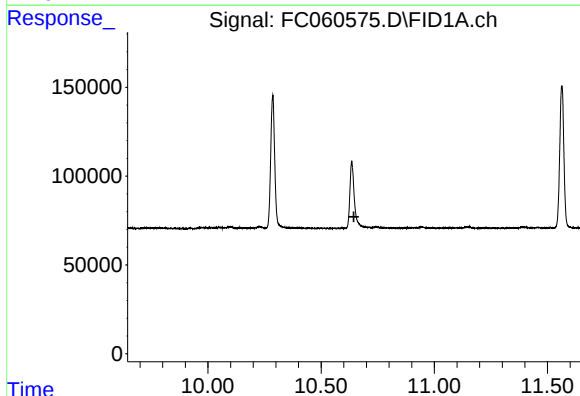
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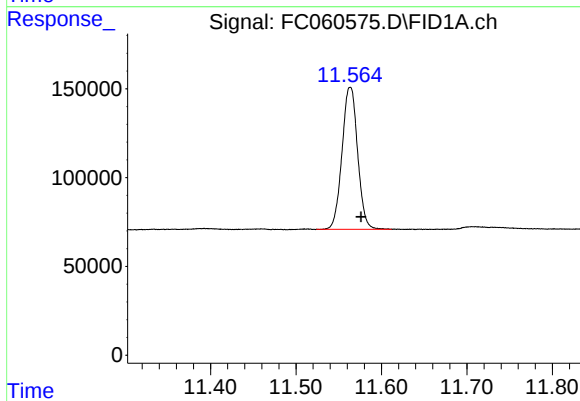
#8 n-Octadecane (C18)

R.T.: 10.286 min
Delta R.T.: -0.010 min
Response: 923249
Conc: 5.37 ug/ml



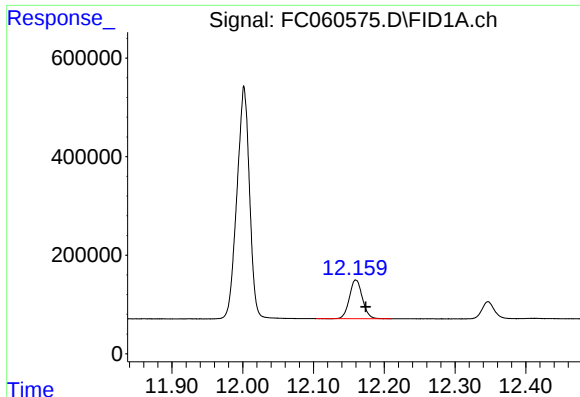
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 10.645 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 11.563 min
Delta R.T.: -0.013 min
Response: 1013883
Conc: 5.94 ug/ml



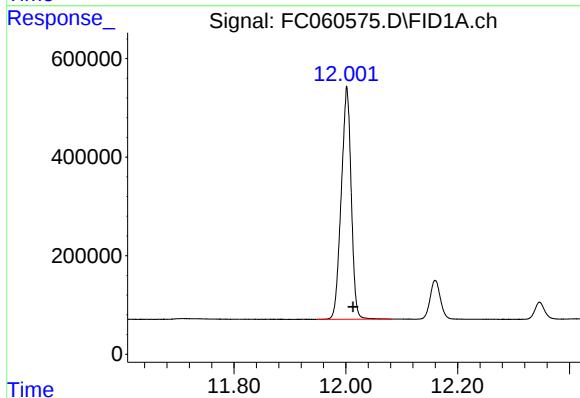
#11 n-Heneicosane (C21)

R.T.: 12.160 min
Delta R.T.: -0.014 min
Response: 998496
Conc: 5.86 ug/ml

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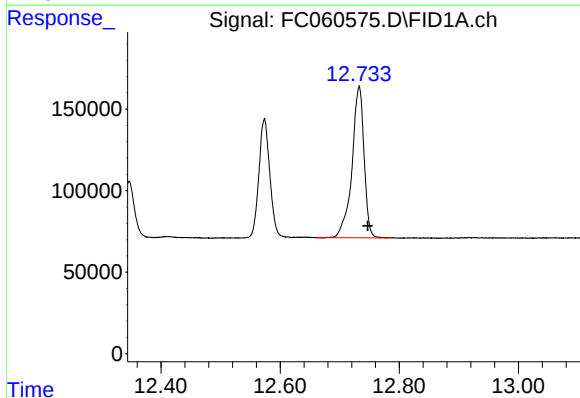
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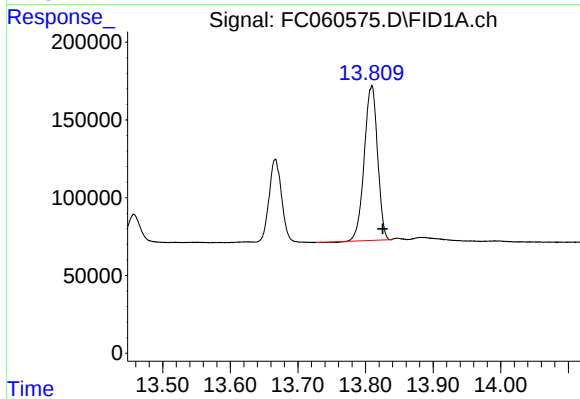
#12 1-chlorooctadecane (SURR)

R.T.: 12.002 min
Delta R.T.: -0.011 min
Response: 5835052
Conc: 39.59 ug/ml



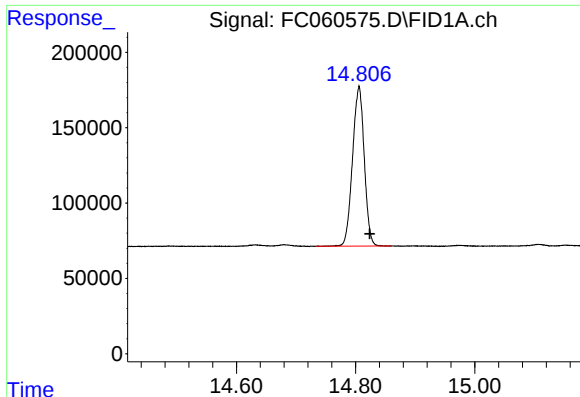
#13 n-Docosane (C22)

R.T.: 12.732 min
Delta R.T.: -0.015 min
Response: 1307486
Conc: 7.67 ug/ml



#14 n-Tetracosane (C24)

R.T.: 13.809 min
Delta R.T.: -0.016 min
Response: 1353445
Conc: 8.06 ug/ml



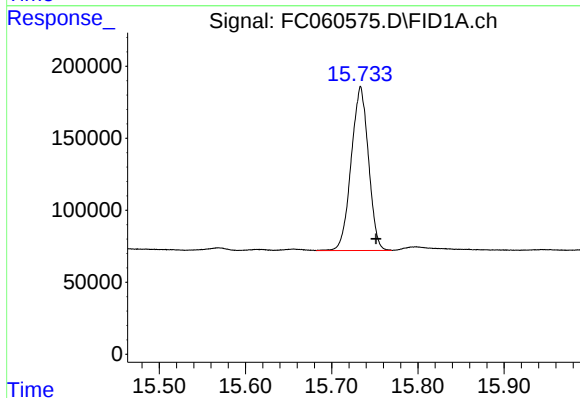
#15 n-Hexacosane (C26)

R.T.: 14.806 min
Delta R.T.: -0.018 min
Response: 1447853
Conc: 8.81 ug/ml

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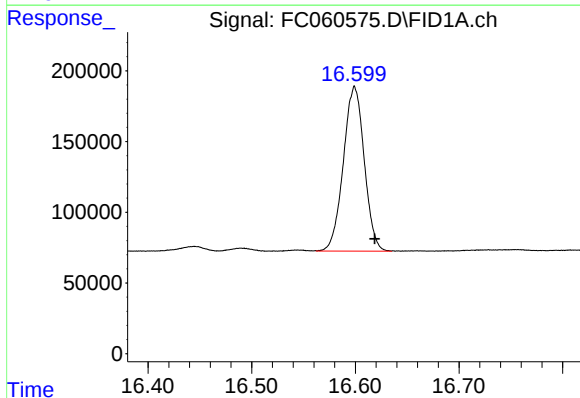
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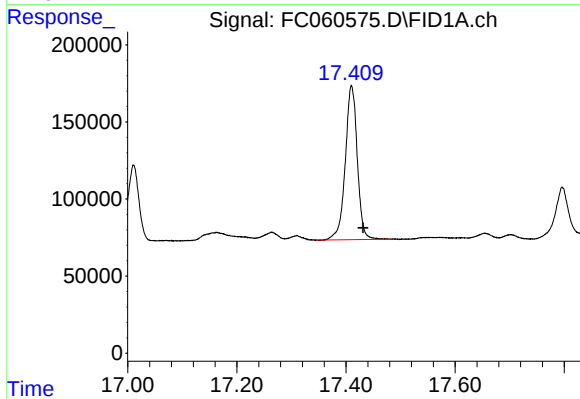
#16 n-Octacosane (C28)

R.T.: 15.733 min
Delta R.T.: -0.018 min
Response: 1581542
Conc: 9.97 ug/ml m



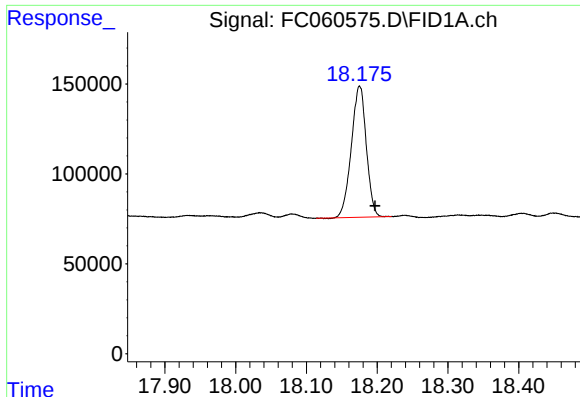
#17 n-Tricontane (C30)

R.T.: 16.599 min
Delta R.T.: -0.020 min
Response: 1630545
Conc: 10.71 ug/ml m



#18 n-Dotriacontane (C32)

R.T.: 17.410 min
Delta R.T.: -0.021 min
Response: 1529216
Conc: 10.52 ug/ml



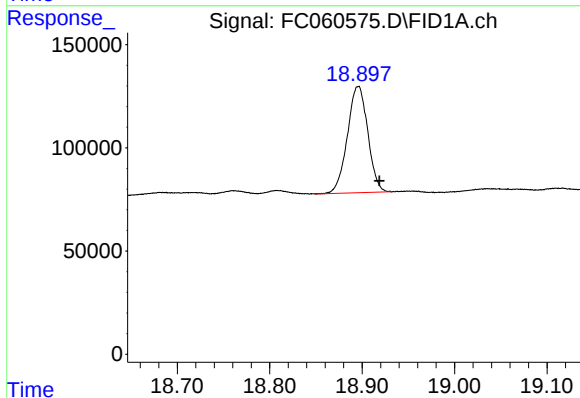
#19 n-Tetratriacontane (C34)

R.T.: 18.175 min
Delta R.T.: -0.022 min
Response: 1073295
Conc: 8.45 ug/ml

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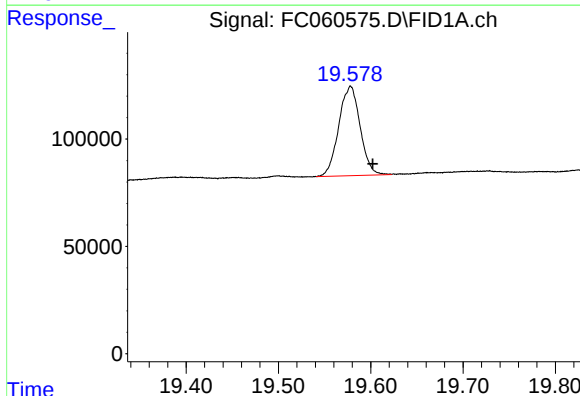
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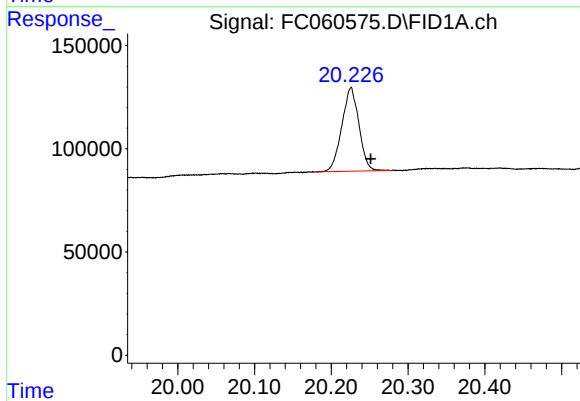
#20 n-Hexatriacontane (C36)

R.T.: 18.896 min
Delta R.T.: -0.023 min
Response: 790093
Conc: 7.04 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 19.578 min
Delta R.T.: -0.024 min
Response: 672558
Conc: 6.14 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 20.225 min
Delta R.T.: -0.026 min
Response: 627696
Conc: 5.56 ug/ml