

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC010522AL\
 Data File : FC057723.D
 Signal(s) : FID1A.CH
 Acq On : 05 Jan 2022 21:59
 Operator : AJ\MA
 Sample : M4068-01
 Misc : 4 PPM LOD SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/06/2022
 Supervised By :Ankita Jodhani 01/06/2022

Integration File: autoint1.e
 Quant Time: Jan 06 00:00:02 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 010522.M
 Quant Title : GC Extractables
 QLast Update : Wed Jan 05 12:13:43 2022
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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...	12.155	7439454	50.476 ug/ml
Spiked Amount 50.000		Recovery =	100.95%
Target Compounds			
1) T n-Nonane (C9)	2.642	653949	4.089 ug/ml
2) T n-Decane (C10)	3.632	668662	4.160 ug/ml
4) T n-Dodecane (C12)	5.604	684016	4.241 ug/ml
6) T n-Tetradecane (C14)	7.384	698024	4.228 ug/ml
7) T n-Hexadecane (C16)	8.974	709228	4.246 ug/ml
8) T n-Octadecane (C18)	10.408	735478	4.274 ug/ml
10) T n-Eicosane (C20)	11.711	719972	4.206 ug/ml
11) T n-Heneicosane (C21)	12.321	774040	4.476 ug/ml
13) T n-Docosane (C22)	12.903	721067	4.168 ug/ml
14) T n-Tetracosane (C24)	14.002	703809	4.066 ug/ml
15) T n-Hexacosane (C26)	15.018	697664	4.146 ug/ml
16) T n-Octacosane (C28)	15.965	689985	4.216 ug/ml
17) T n-Tricontane (C30)	16.851	683635	4.379 ug/ml
18) T n-Dotriacontane (C32)	17.681	646217	4.635 ug/ml
19) T n-Tetratriacontane (C34)	18.461	627874	5.052 ug/ml
20) T n-Hexatriacontane (C36)	19.199	563002	5.064 ug/ml
21) T n-Octatriacontane (C38)	19.906	539655	5.173 ug/mlm
22) T n-Tetracontane (C40)	20.734	542980	5.671 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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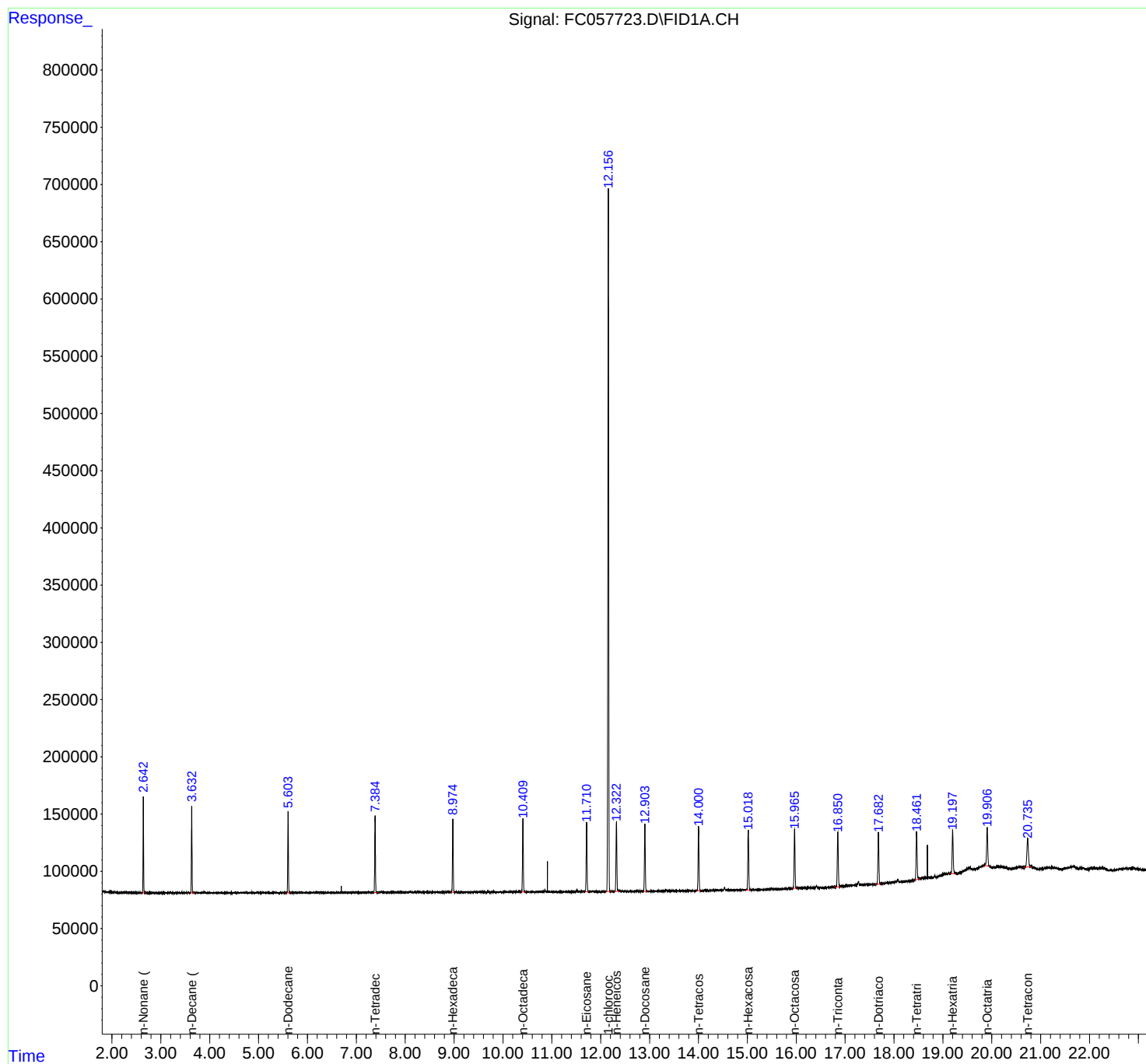
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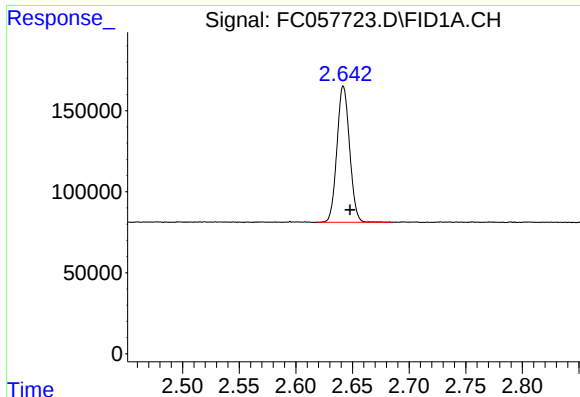
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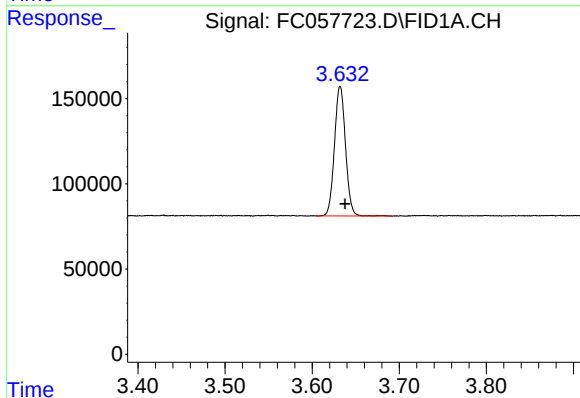
#1 n-Nonane (C9)

R.T.: 2.642 min
Delta R.T.: -0.006 min
Response: 653949
Conc: 4.09 ug/ml

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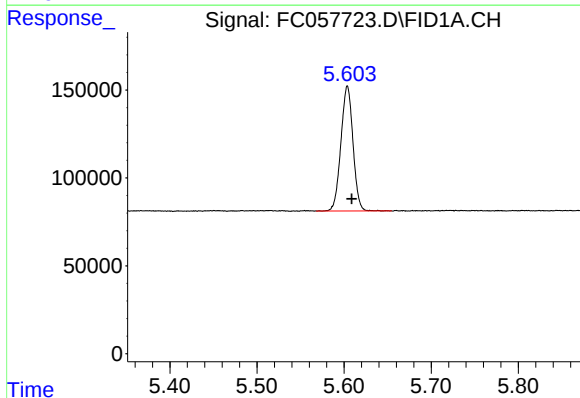
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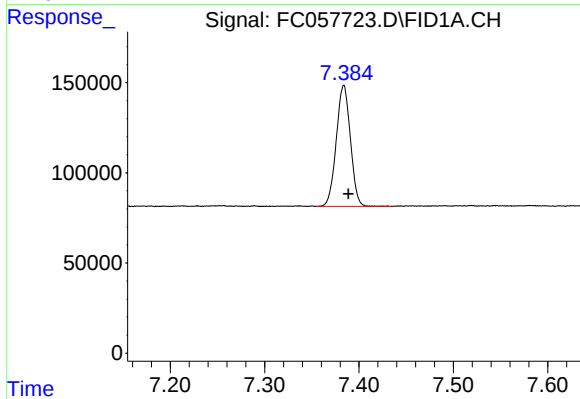
#2 n-Decane (C10)

R.T.: 3.632 min
Delta R.T.: -0.006 min
Response: 668662
Conc: 4.16 ug/ml



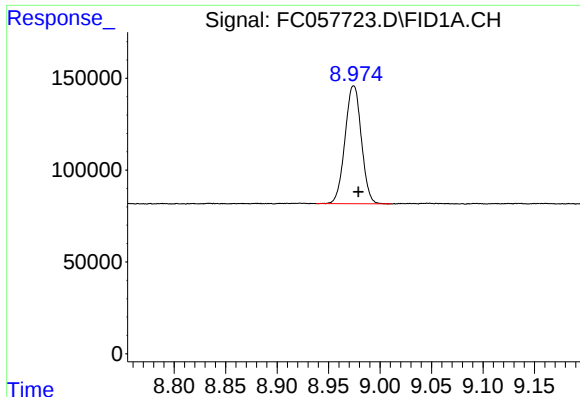
#4 n-Dodecane (C12)

R.T.: 5.604 min
Delta R.T.: -0.005 min
Response: 684016
Conc: 4.24 ug/ml



#6 n-Tetradecane (C14)

R.T.: 7.384 min
Delta R.T.: -0.005 min
Response: 698024
Conc: 4.23 ug/ml



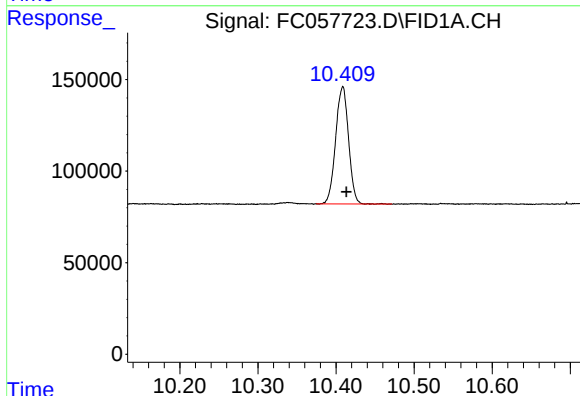
#7 n-Hexadecane (C16)

R.T.: 8.974 min
Delta R.T.: -0.005 min
Response: 709228
Conc: 4.25 ug/ml

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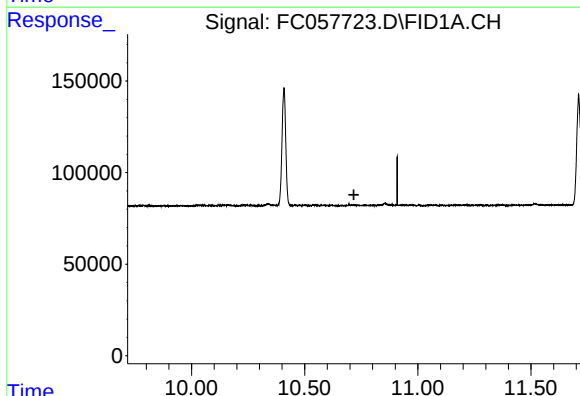
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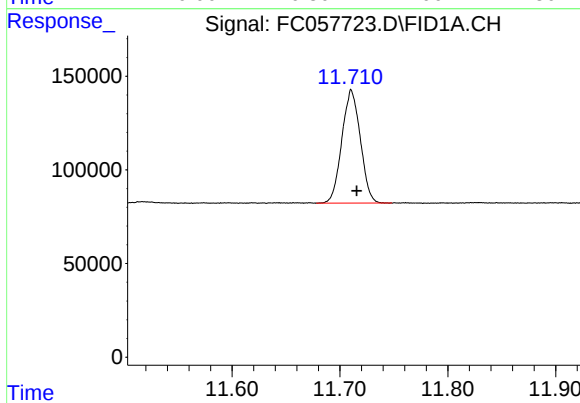
#8 n-Octadecane (C18)

R.T.: 10.408 min
Delta R.T.: -0.005 min
Response: 735478
Conc: 4.27 ug/ml



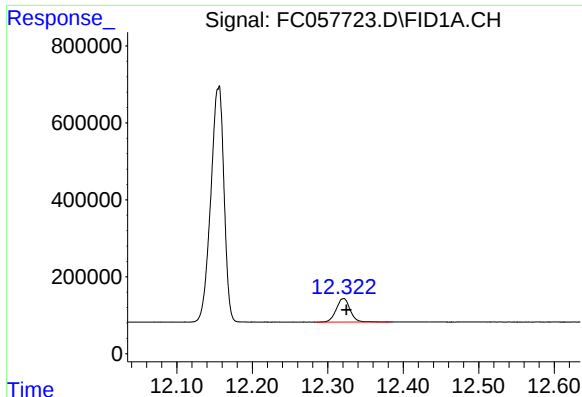
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 10.717 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 11.711 min
Delta R.T.: -0.005 min
Response: 719972
Conc: 4.21 ug/ml



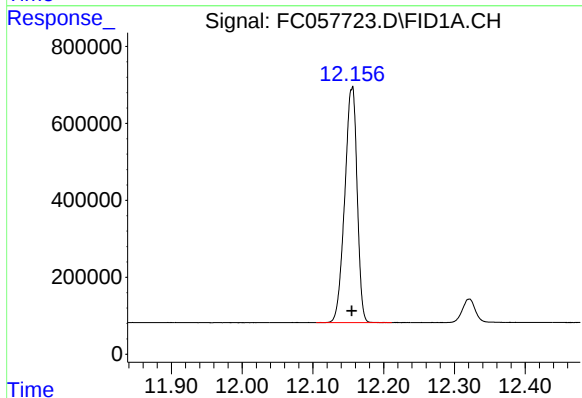
#11 n-Heneicosane (C21)

R.T.: 12.321 min
Delta R.T.: -0.004 min
Response: 774040
Conc: 4.48 ug/ml

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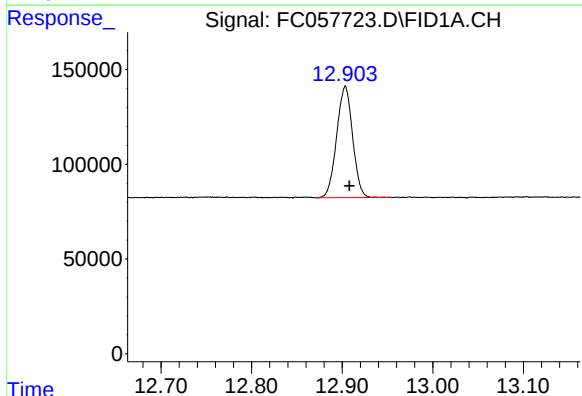
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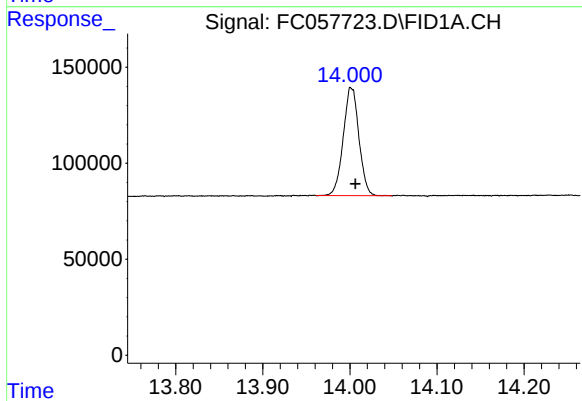
#12 1-chlorooctadecane (SURR)

R.T.: 12.155 min
Delta R.T.: 0.000 min
Response: 7439454
Conc: 50.48 ug/ml



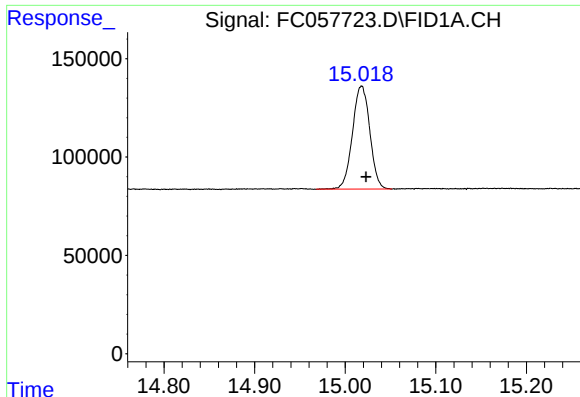
#13 n-Docosane (C22)

R.T.: 12.903 min
Delta R.T.: -0.005 min
Response: 721067
Conc: 4.17 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.002 min
Delta R.T.: -0.005 min
Response: 703809
Conc: 4.07 ug/ml



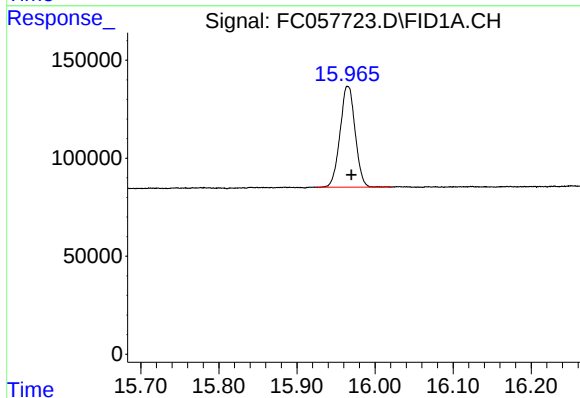
#15 n-Hexacosane (C26)

R.T.: 15.018 min
Delta R.T.: -0.005 min
Response: 697664
Conc: 4.15 ug/ml

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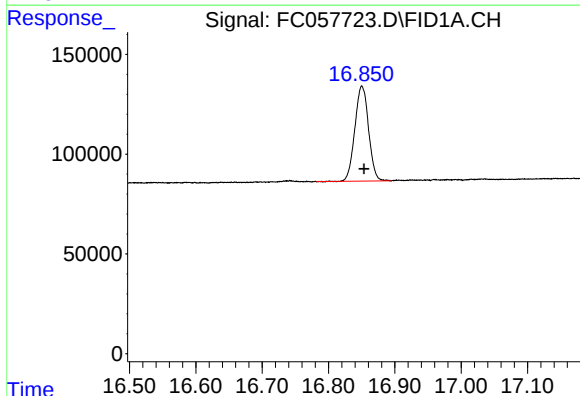
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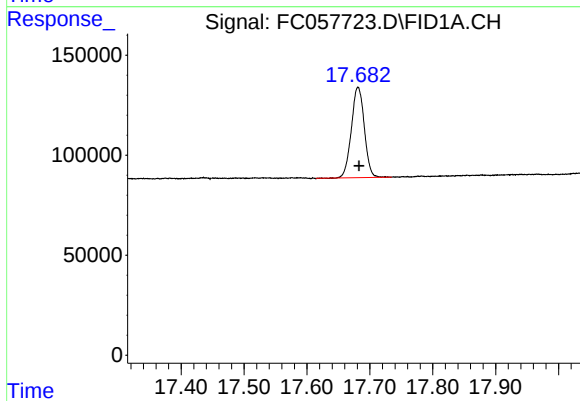
#16 n-Octacosane (C28)

R.T.: 15.965 min
Delta R.T.: -0.004 min
Response: 689985
Conc: 4.22 ug/ml



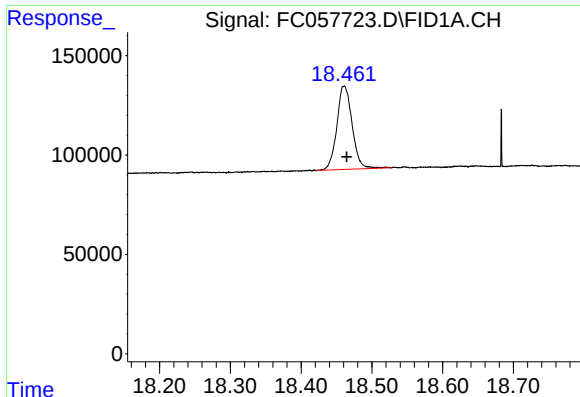
#17 n-Tricontane (C30)

R.T.: 16.851 min
Delta R.T.: -0.003 min
Response: 683635
Conc: 4.38 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 17.681 min
Delta R.T.: -0.002 min
Response: 646217
Conc: 4.63 ug/ml



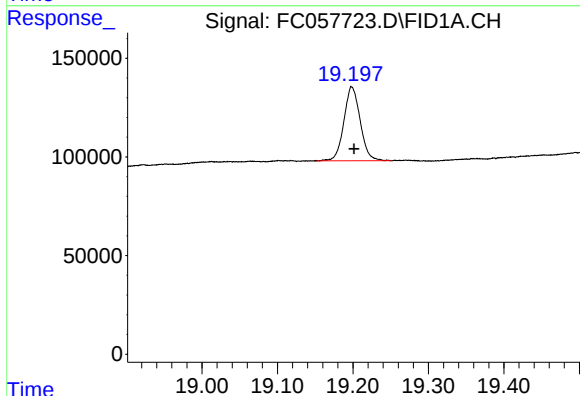
#19 n-Tetratriacontane (C34)

R.T.: 18.461 min
Delta R.T.: -0.003 min
Response: 627874
Conc: 5.05 ug/ml

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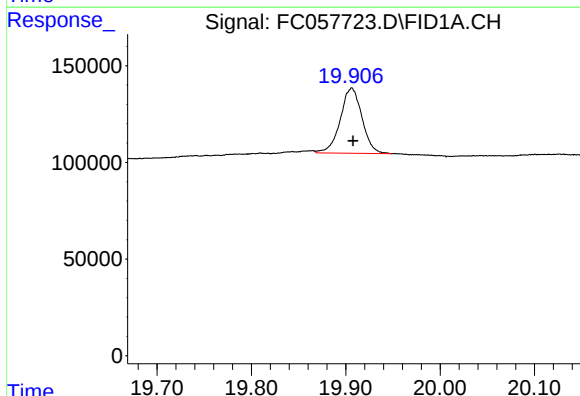
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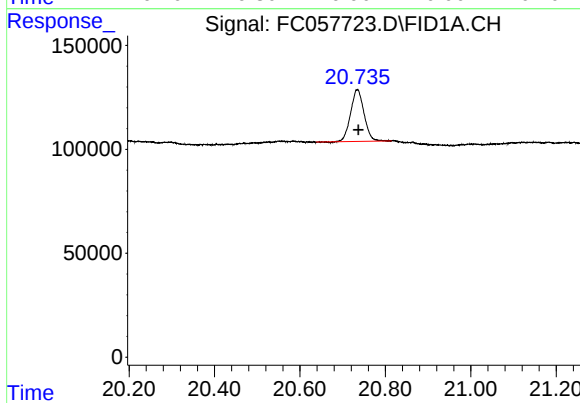
#20 n-Hexatriacontane (C36)

R.T.: 19.199 min
Delta R.T.: -0.003 min
Response: 563002
Conc: 5.06 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 19.906 min
Delta R.T.: -0.002 min
Response: 539655
Conc: 5.17 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 20.734 min
Delta R.T.: -0.003 min
Response: 542980
Conc: 5.67 ug/ml