

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC010522AL\
 Data File : FC057722.D
 Signal(s) : FID1A.CH
 Acq On : 05 Jan 2022 21:25
 Operator : AJ\MA
 Sample : M4068-01
 Misc : 2.5 PPM LOD SOIL
 ALS Vial : 15 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 05 23:59:43 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...	12.156	7690319	52.178 ug/ml
Spiked Amount 50.000		Recovery =	104.36%
Target Compounds			
1) T n-Nonane (C9)	2.643	411102	2.571 ug/ml
2) T n-Decane (C10)	3.633	419305	2.609 ug/ml
4) T n-Dodecane (C12)	5.604	428711	2.658 ug/ml
6) T n-Tetradecane (C14)	7.383	434947	2.635 ug/ml
7) T n-Hexadecane (C16)	8.974	447506	2.679 ug/ml
8) T n-Octadecane (C18)	10.408	467704	2.718 ug/ml
10) T n-Eicosane (C20)	11.711	457931	2.675 ug/ml
11) T n-Heneicosane (C21)	12.321	578577	3.346 ug/ml
13) T n-Docosane (C22)	12.904	457511	2.644 ug/ml
14) T n-Tetracosane (C24)	14.002	453466	2.620 ug/ml
15) T n-Hexacosane (C26)	15.019	439836	2.614 ug/ml
16) T n-Octacosane (C28)	15.966	446527	2.729 ug/ml
17) T n-Tricontane (C30)	16.850	450187	2.884 ug/mlm
18) T n-Dotriacontane (C32)	17.680	443720	3.183 ug/ml
19) T n-Tetratriacontane (C34)	18.460	419477	3.375 ug/mlm
20) T n-Hexatriacontane (C36)	19.201	376383	3.385 ug/ml
21) T n-Octatriacontane (C38)	19.906	336353	3.224 ug/mlm
22) T n-Tetracontane (C40)	20.734	366424	3.827 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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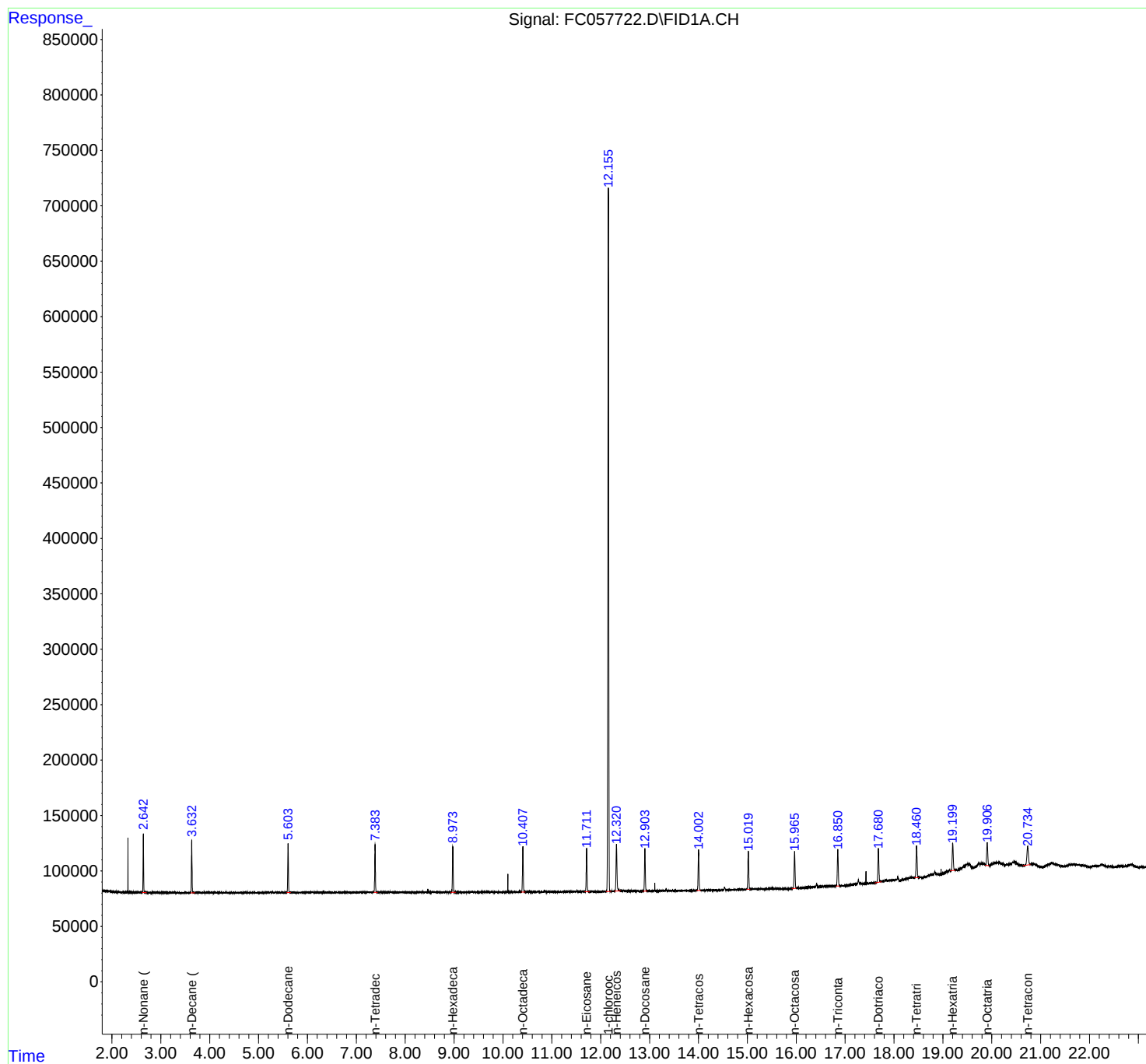
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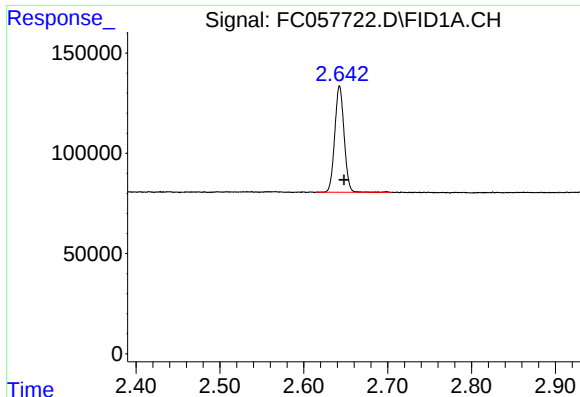
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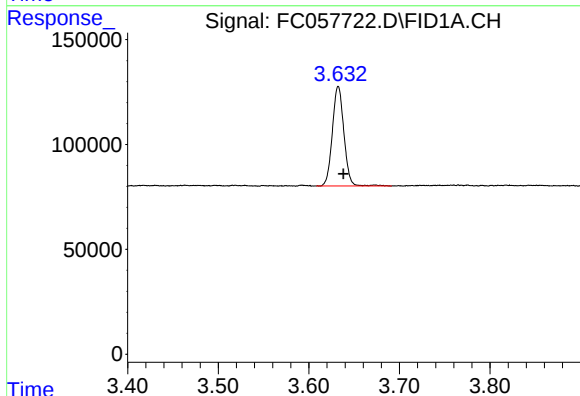
#1 n-Nonane (C9)

R.T.: 2.643 min
Delta R.T.: -0.005 min
Response: 411102
Conc: 2.57 ug/ml

Instrument :
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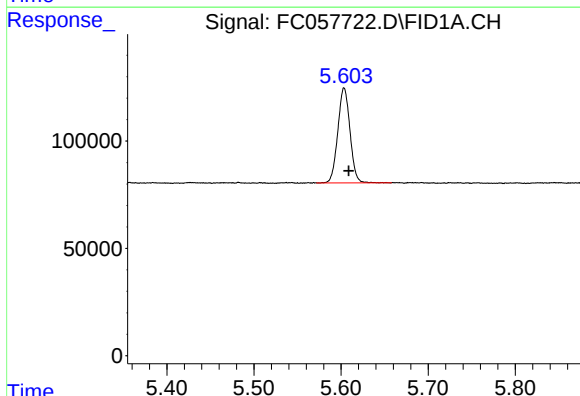
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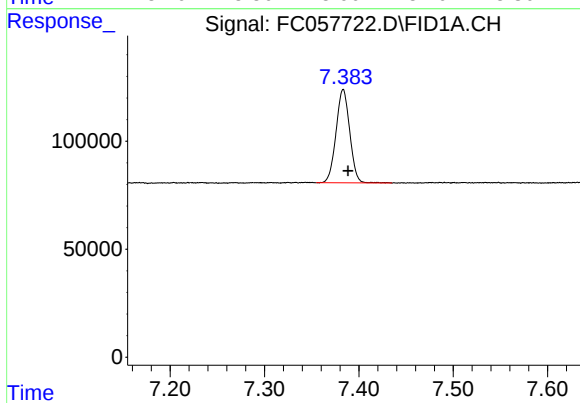
#2 n-Decane (C10)

R.T.: 3.633 min
Delta R.T.: -0.006 min
Response: 419305
Conc: 2.61 ug/ml



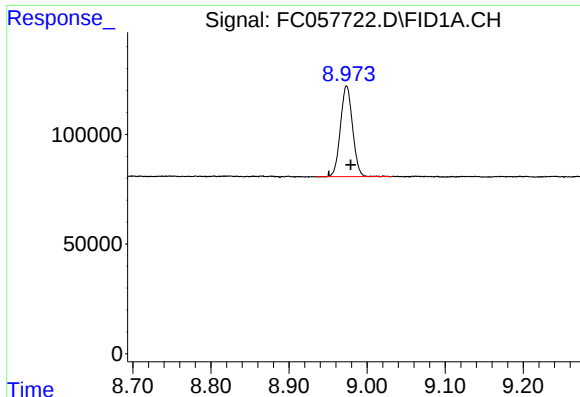
#4 n-Dodecane (C12)

R.T.: 5.604 min
Delta R.T.: -0.005 min
Response: 428711
Conc: 2.66 ug/ml



#6 n-Tetradecane (C14)

R.T.: 7.383 min
Delta R.T.: -0.005 min
Response: 434947
Conc: 2.63 ug/ml



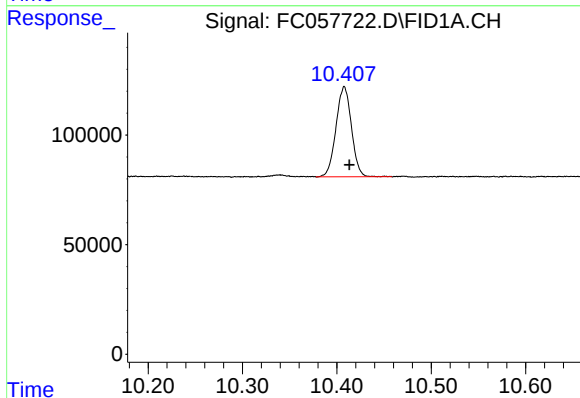
#7 n-Hexadecane (C16)

R.T.: 8.974 min
Delta R.T.: -0.005 min
Response: 447506
Conc: 2.68 ug/ml

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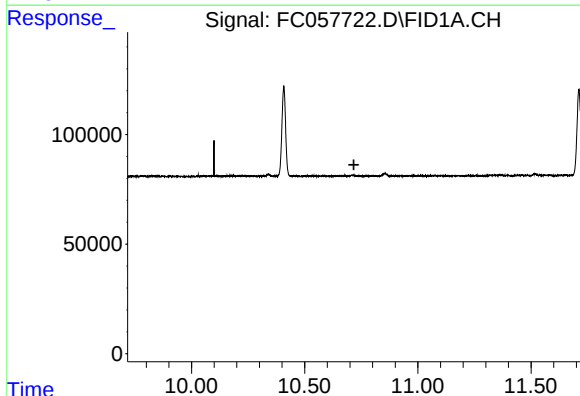
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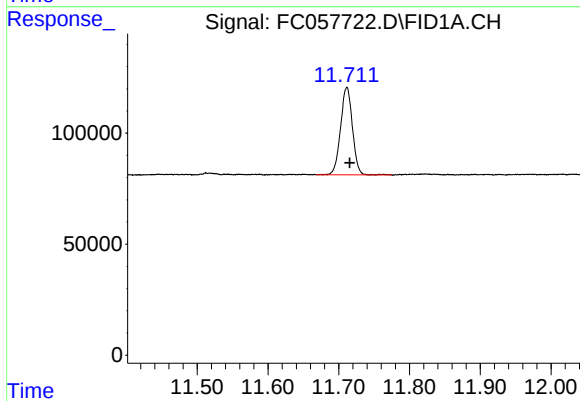
#8 n-Octadecane (C18)

R.T.: 10.408 min
Delta R.T.: -0.005 min
Response: 467704
Conc: 2.72 ug/ml



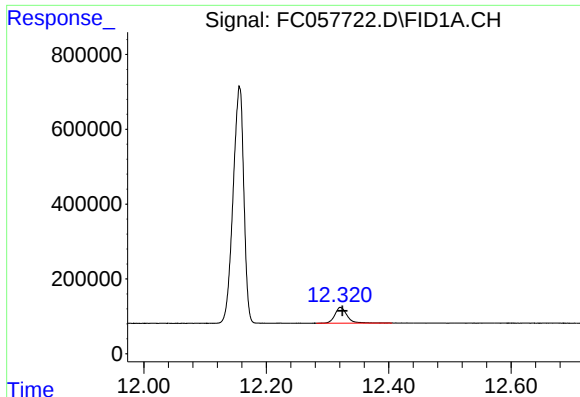
#9 ortho-Terphenyl (SURR)

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.: -0.004 min
Response: 457931
Conc: 2.67 ug/ml



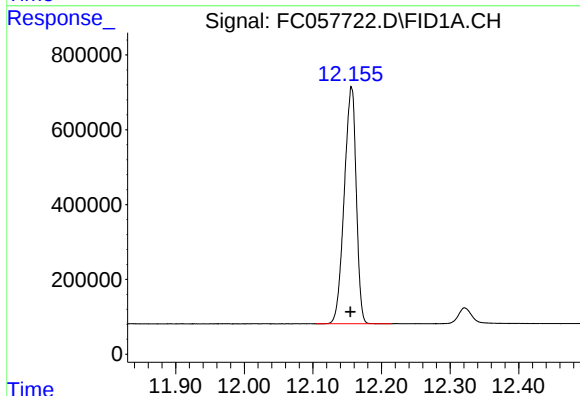
#11 n-Heneicosane (C21)

R.T.: 12.321 min
Delta R.T.: -0.003 min
Response: 578577
Conc: 3.35 ug/ml

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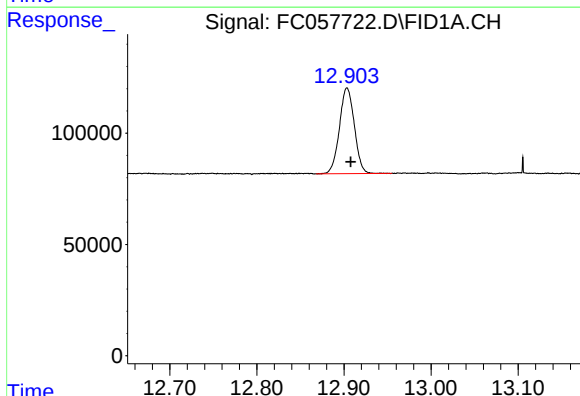
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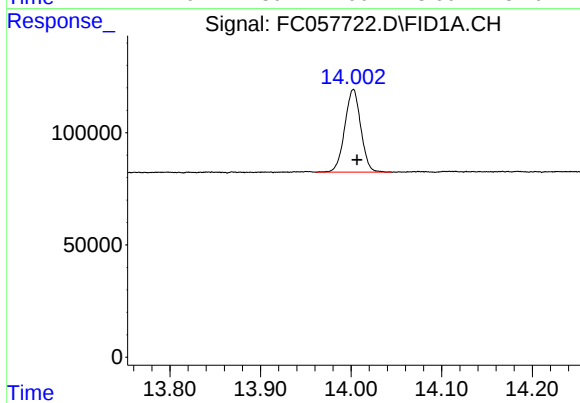
#12 1-chlorooctadecane (SURR)

R.T.: 12.156 min
Delta R.T.: 0.001 min
Response: 7690319
Conc: 52.18 ug/ml



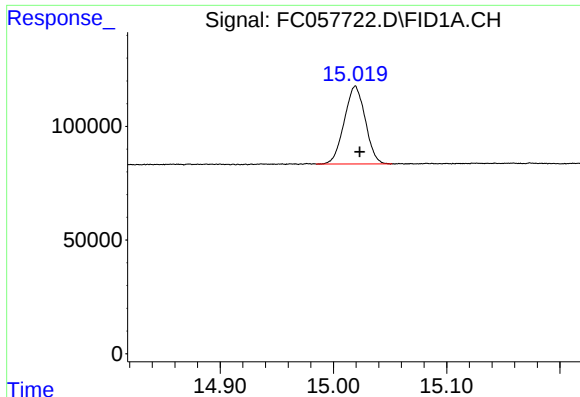
#13 n-Docosane (C22)

R.T.: 12.904 min
Delta R.T.: -0.004 min
Response: 457511
Conc: 2.64 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.002 min
Delta R.T.: -0.004 min
Response: 453466
Conc: 2.62 ug/ml



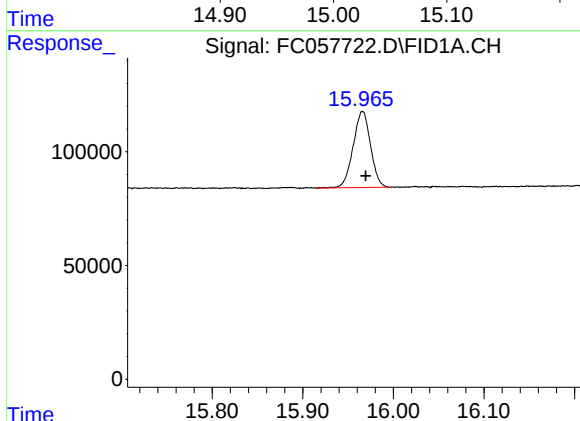
#15 n-Hexacosane (C26)

R.T.: 15.019 min
Delta R.T.: -0.004 min
Response: 439836
Conc: 2.61 ug/ml

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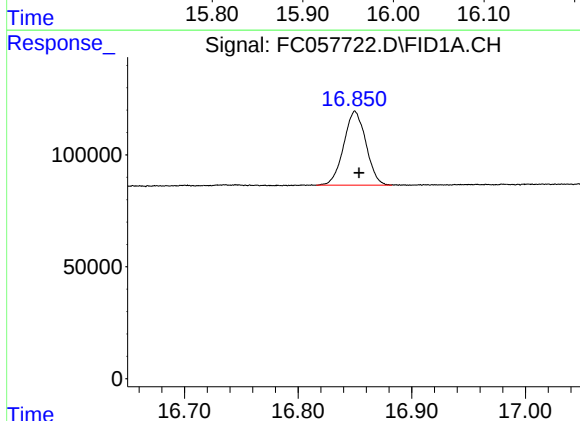
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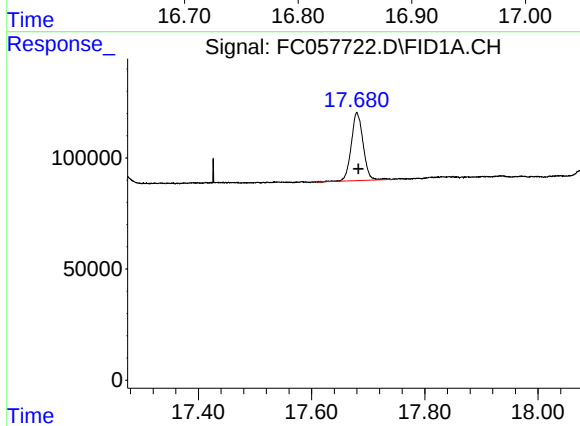
#16 n-Octacosane (C28)

R.T.: 15.966 min
Delta R.T.: -0.004 min
Response: 446527
Conc: 2.73 ug/ml



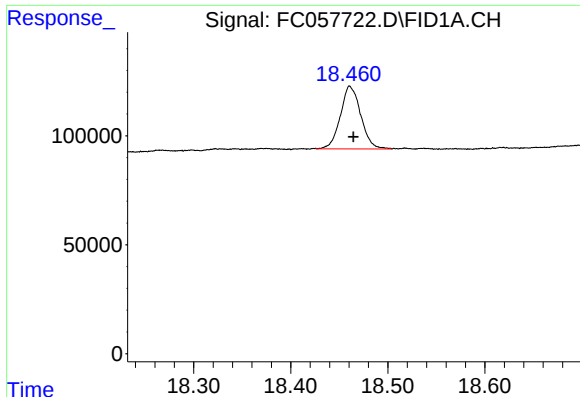
#17 n-Tricontane (C30)

R.T.: 16.850 min
Delta R.T.: -0.004 min
Response: 450187
Conc: 2.88 ug/ml m



#18 n-Dotriacontane (C32)

R.T.: 17.680 min
Delta R.T.: -0.002 min
Response: 443720
Conc: 3.18 ug/ml



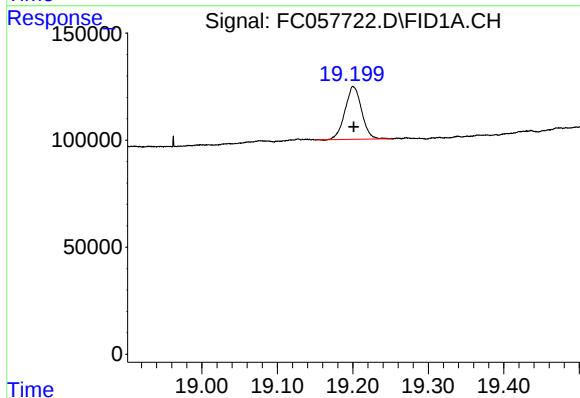
#19 n-Tetratriacontane (C34)

R.T.: 18.460 min
Delta R.T.: -0.004 min
Response: 419477
Conc: 3.38 ug/ml

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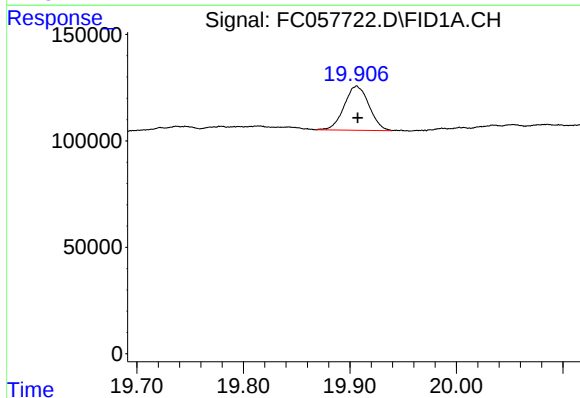
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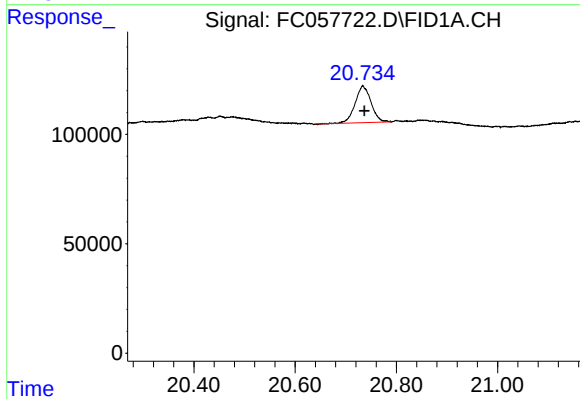
#20 n-Hexatriacontane (C36)

R.T.: 19.201 min
Delta R.T.: 0.000 min
Response: 376383
Conc: 3.39 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 19.906 min
Delta R.T.: -0.001 min
Response: 336353
Conc: 3.22 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 20.734 min
Delta R.T.: -0.003 min
Response: 366424
Conc: 3.83 ug/ml