

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC063022AL\
 Data File : FC060528.D
 Signal(s) : FID1A.ch
 Acq On : 30 Jun 2022 13:52
 Operator : YP/AJ
 Sample : N3214-02
 Misc : 5 PPM SOIL LOQ
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/01/2022
 Supervised By :Ankita Jodhani 07/01/2022

Integration File: autoint1.e
 Quant Time: Jul 01 04:59:38 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...	12.000	5859643	39.755 ug/ml
Spiked Amount 50.000		Recovery =	79.51%
Target Compounds			
1) T n-Nonane (C9)	2.635	423207	2.759 ug/ml
2) T n-Decane (C10)	3.630	566665	3.711 ug/ml
4) T n-Dodecane (C12)	5.573	1004754	6.217 ug/mlm
6) T n-Tetradecane (C14)	7.322	807107	4.886 ug/mlm
7) T n-Hexadecane (C16)	8.882	828562	4.903 ug/ml
8) T n-Octadecane (C18)	10.286	929505	5.403 ug/ml
10) T n-Eicosane (C20)	11.563	1024583	6.003 ug/ml
11) T n-Heneicosane (C21)	12.159	1006071	5.901 ug/ml
13) T n-Docosane (C22)	12.730	1312095	7.697 ug/ml
14) T n-Tetracosane (C24)	13.807	1410386	8.400 ug/ml
15) T n-Hexacosane (C26)	14.804	1453342	8.844 ug/ml
16) T n-Octacosane (C28)	15.727	1567527	9.879 ug/mlm
17) T n-Tricontane (C30)	16.595	1605447	10.547 ug/mlm
18) T n-Dotriacontane (C32)	17.406	1433511	9.861 ug/ml
19) T n-Tetratriacontane (C34)	18.170	1060096	8.347 ug/ml
20) T n-Hexatriacontane (C36)	18.891	781653	6.965 ug/ml
21) T n-Octatriacontane (C38)	19.572	673110	6.149 ug/mlm
22) T n-Tetracontane (C40)	20.218	634484	5.618 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP/AJ
Sample : N3214-02
Misc : 5 PPM SOIL LOQ
ALS Vial : 8 Sample Multiplier: 1

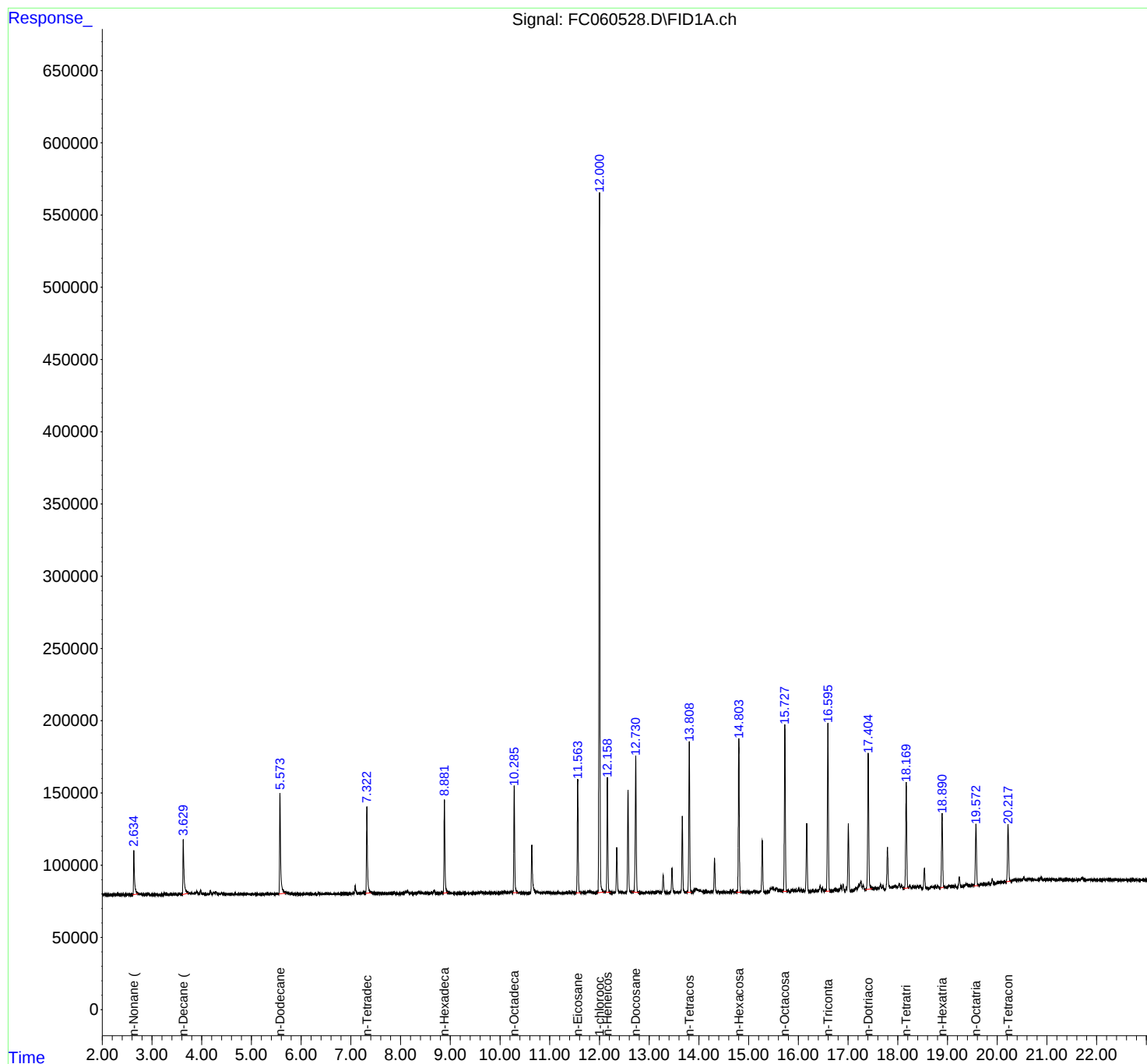
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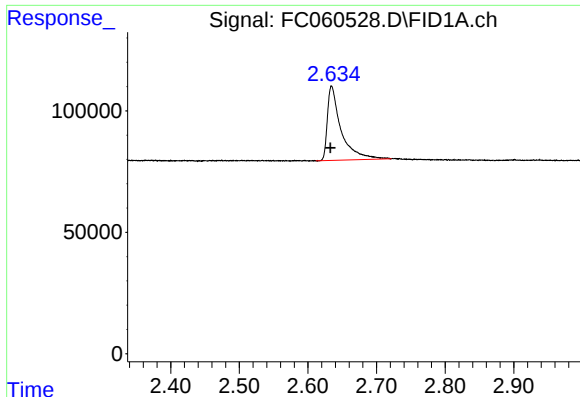
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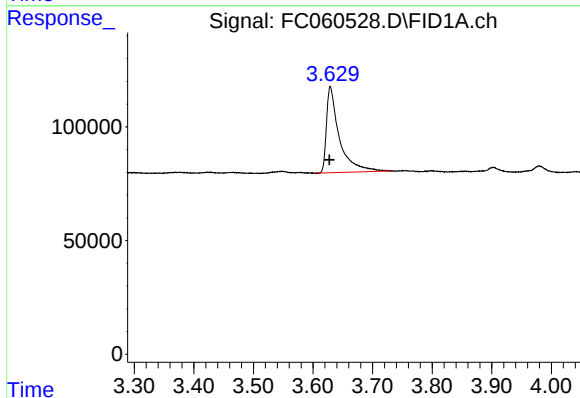
#1 n-Nonane (C9)

R.T.: 2.635 min
Delta R.T.: 0.002 min
Response: 423207
Conc: 2.76 ug/ml

Instrument : FID_C
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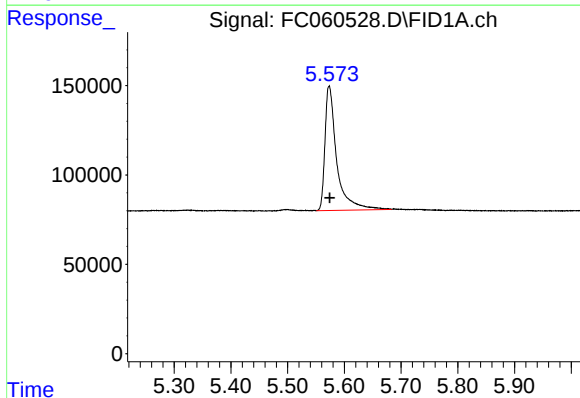
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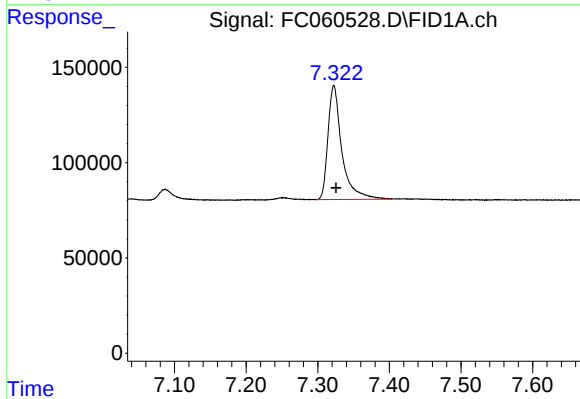
#2 n-Decane (C10)

R.T.: 3.630 min
Delta R.T.: 0.003 min
Response: 566665
Conc: 3.71 ug/ml



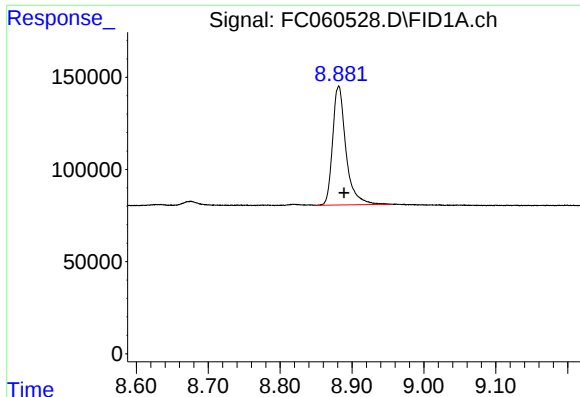
#4 n-Dodecane (C12)

R.T.: 5.573 min
Delta R.T.: -0.001 min
Response: 1004754
Conc: 6.22 ug/ml m



#6 n-Tetradecane (C14)

R.T.: 7.322 min
Delta R.T.: -0.003 min
Response: 807107
Conc: 4.89 ug/ml m



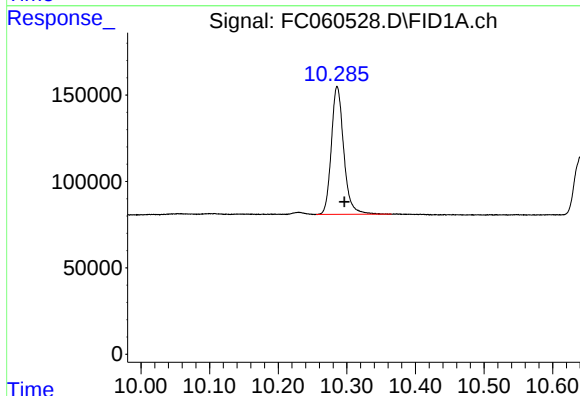
#7 n-Hexadecane (C16)

R.T.: 8.882 min
Delta R.T.: -0.007 min
Response: 828562
Conc: 4.90 ug/ml

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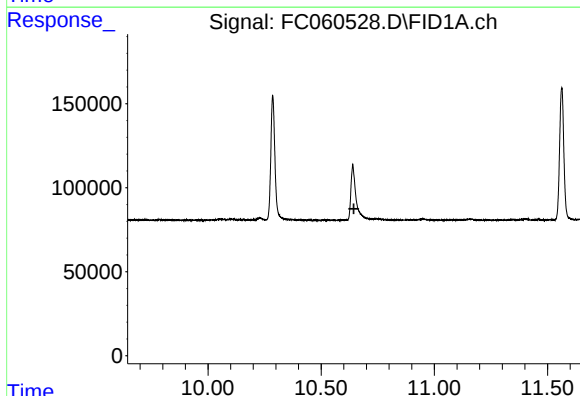
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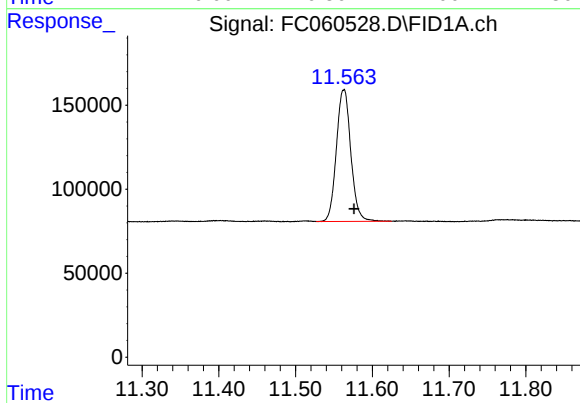
#8 n-Octadecane (C18)

R.T.: 10.286 min
Delta R.T.: -0.010 min
Response: 929505
Conc: 5.40 ug/ml



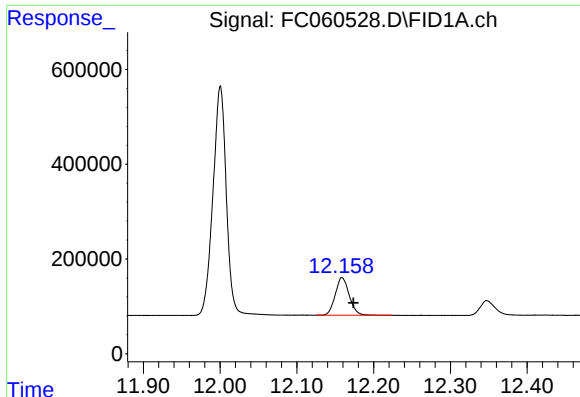
#9 ortho-Terphenyl (SURR)

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: 1024583
Conc: 6.00 ug/ml



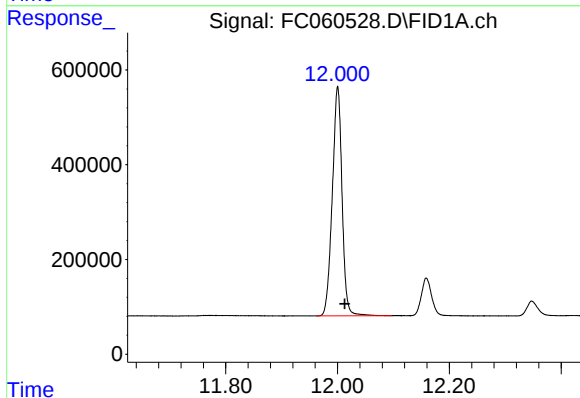
#11 n-Heneicosane (C21)

R.T.: 12.159 min
Delta R.T.: -0.015 min
Response: 1006071
Conc: 5.90 ug/ml

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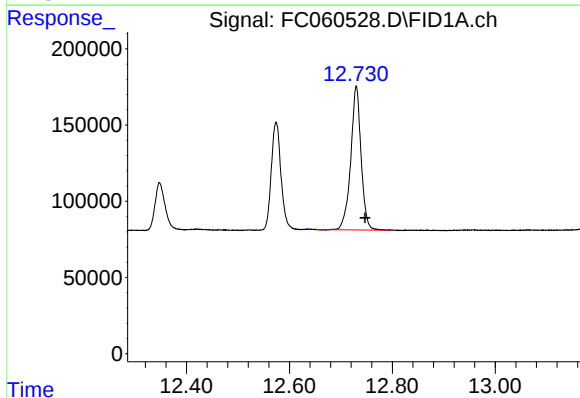
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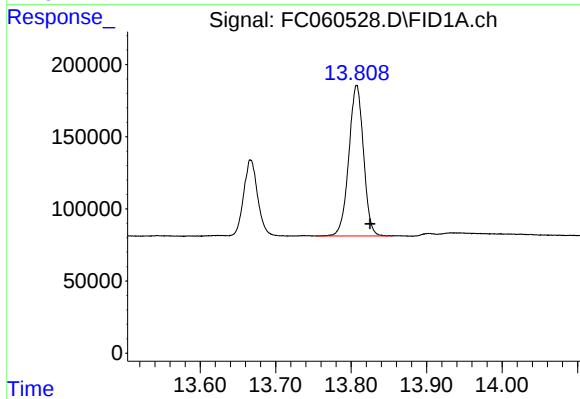
#12 1-chlorooctadecane (SURR)

R.T.: 12.000 min
Delta R.T.: -0.012 min
Response: 5859643
Conc: 39.75 ug/ml



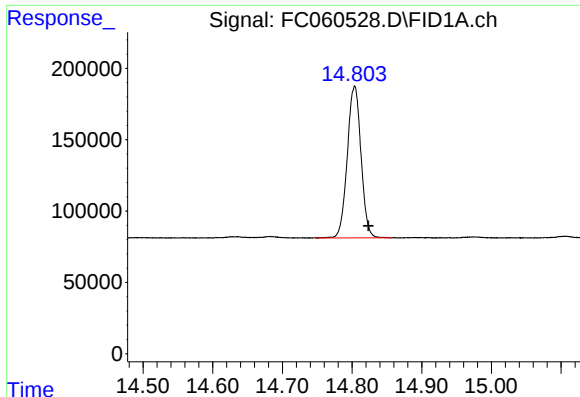
#13 n-Docosane (C22)

R.T.: 12.730 min
Delta R.T.: -0.017 min
Response: 1312095
Conc: 7.70 ug/ml



#14 n-Tetracosane (C24)

R.T.: 13.807 min
Delta R.T.: -0.018 min
Response: 1410386
Conc: 8.40 ug/ml



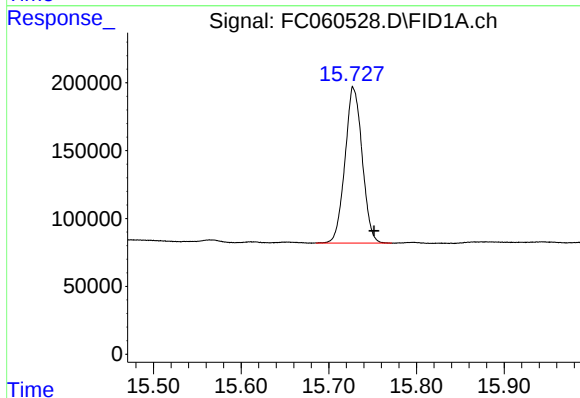
#15 n-Hexacosane (C26)

R.T.: 14.804 min
Delta R.T.: -0.020 min
Response: 1453342
Conc: 8.84 ug/ml

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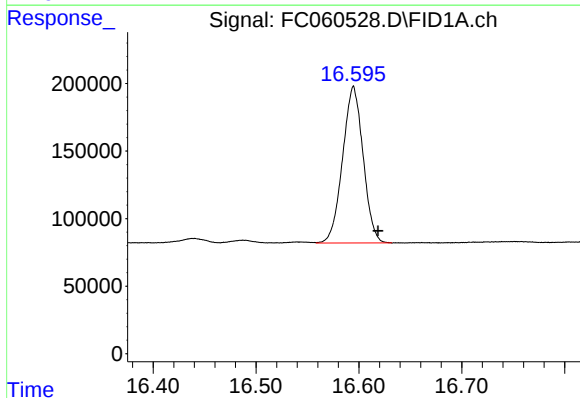
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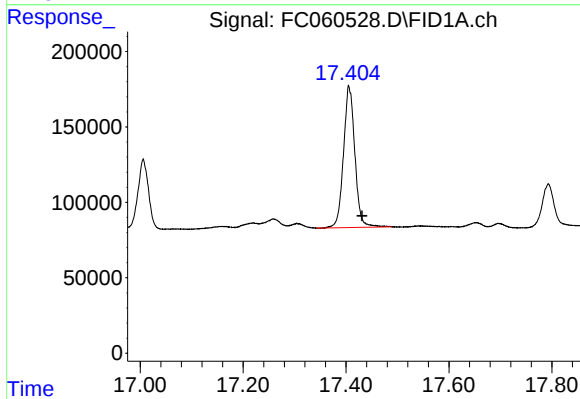
#16 n-Octacosane (C28)

R.T.: 15.727 min
Delta R.T.: -0.025 min
Response: 1567527
Conc: 9.88 ug/ml m



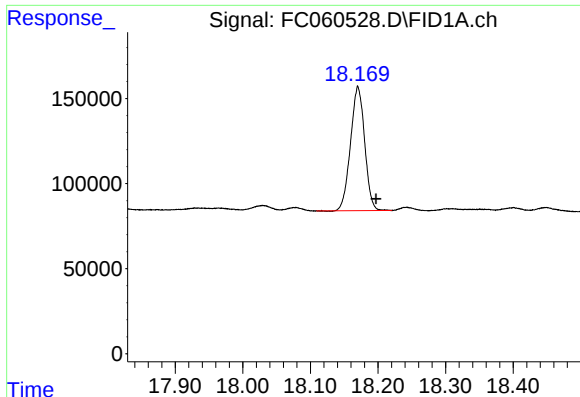
#17 n-Tricontane (C30)

R.T.: 16.595 min
Delta R.T.: -0.024 min
Response: 1605447
Conc: 10.55 ug/ml m



#18 n-Dotriacontane (C32)

R.T.: 17.406 min
Delta R.T.: -0.025 min
Response: 1433511
Conc: 9.86 ug/ml



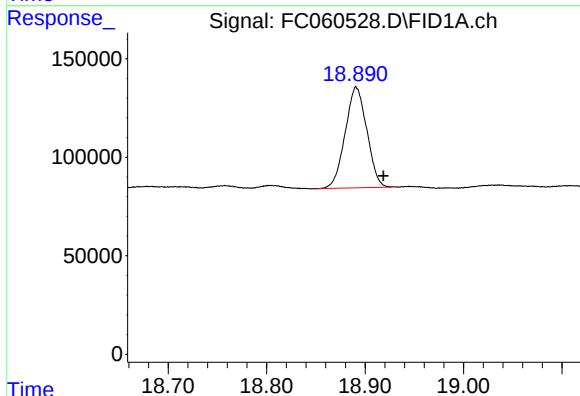
#19 n-Tetratriacontane (C34)

R.T.: 18.170 min
Delta R.T.: -0.027 min
Response: 1060096
Conc: 8.35 ug/ml

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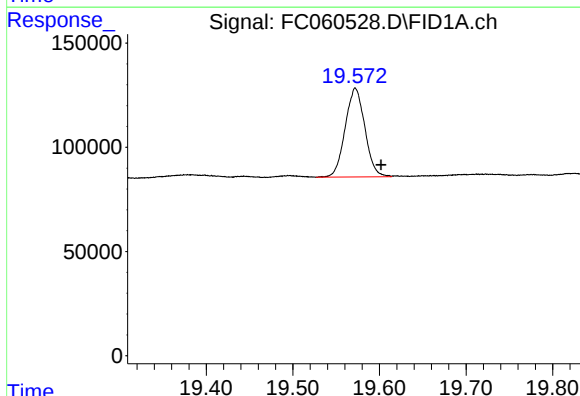
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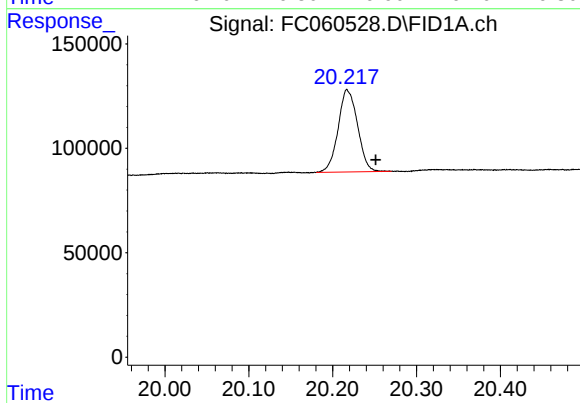
#20 n-Hexatriacontane (C36)

R.T.: 18.891 min
Delta R.T.: -0.028 min
Response: 781653
Conc: 6.96 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 19.572 min
Delta R.T.: -0.031 min
Response: 673110
Conc: 6.15 ug/ml m



#22 n-Tetracontane (C40)

R.T.: 20.218 min
Delta R.T.: -0.034 min
Response: 634484
Conc: 5.62 ug/ml