

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022423AL\
 Data File : FC062999.D
 Signal(s) : FID1A.ch
 Acq On : 23 Feb 2023 16:29
 Operator : YP/AJ
 Sample : 01627-02
 Misc : 5 PPM SOIL LOQ
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOQ-SOIL-02-QT1-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/24/2023
 Supervised By :Ankita Jodhani 02/24/2023

Integration File: autoint1.e
 Quant Time: Feb 24 05:30:05 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 022223.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 22 04:36:00 2023
 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...	12.977	5079364	52.071 ug/ml
Spiked Amount 50.000		Recovery =	104.14%
Target Compounds			
1) T n-Nonane (C9)	3.297	347691	2.933 ug/ml
2) T n-Decane (C10)	4.363	424940	3.685 ug/ml
4) T n-Dodecane (C12)	6.383	536240	4.644 ug/ml
6) T n-Tetradecane (C14)	8.178	495445	4.384 ug/ml
7) T n-Hexadecane (C16)	9.779	527297	4.584 ug/ml
8) T n-Octadecane (C18)	11.221	584580	5.019 ug/ml
10) T n-Eicosane (C20)	12.531	610106	5.354 ug/ml
11) T n-Heneicosane (C21)	13.143	568580	4.989 ug/ml
13) T n-Docosane (C22)	13.727	604641	5.361 ug/ml
14) T n-Tetracosane (C24)	14.829	652964	5.827 ug/mlm
15) T n-Hexacosane (C26)	15.848	582633	5.268 ug/ml
16) T n-Octacosane (C28)	16.796	574241	5.219 ug/ml
17) T n-Tricontane (C30)	17.682	595834	5.411 ug/ml
18) T n-Dotriacontane (C32)	18.513	612160	5.485 ug/ml
19) T n-Tetratriacontane (C34)	19.293	601978	5.386 ug/ml
20) T n-Hexatriacontane (C36)	20.032	579721	5.340 ug/ml
21) T n-Octatriacontane (C38)	20.760	575685	5.298 ug/ml
22) T n-Tetracontane (C40)	21.659	587629	5.401 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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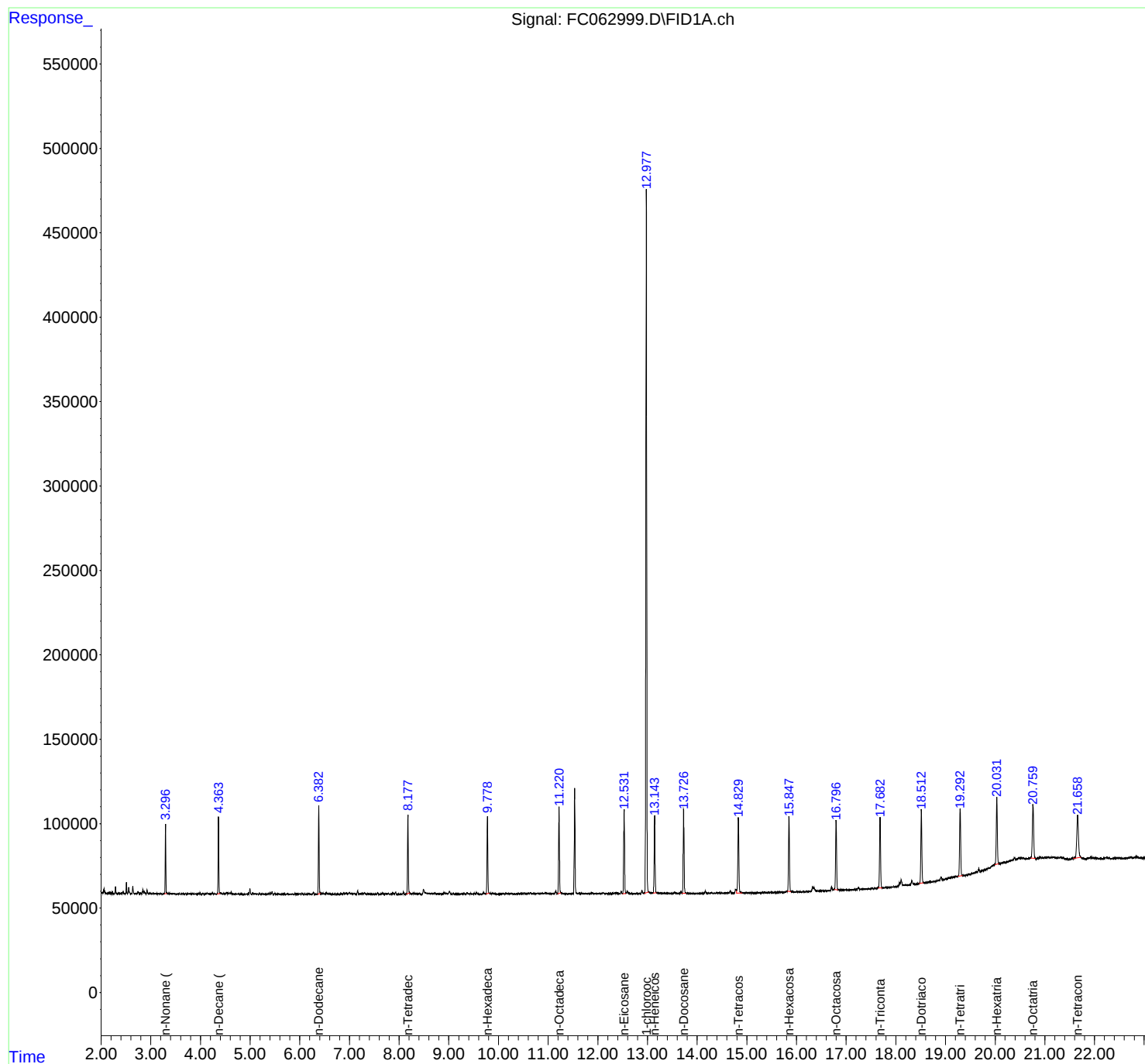
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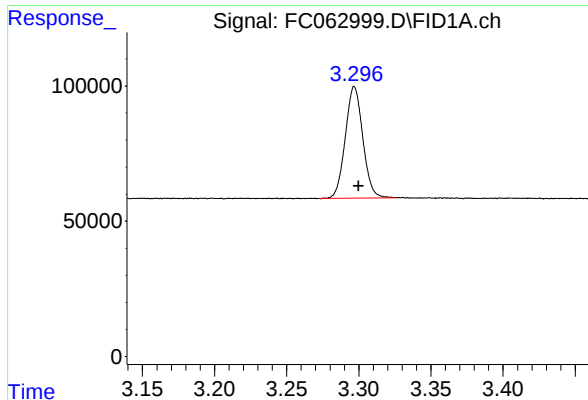
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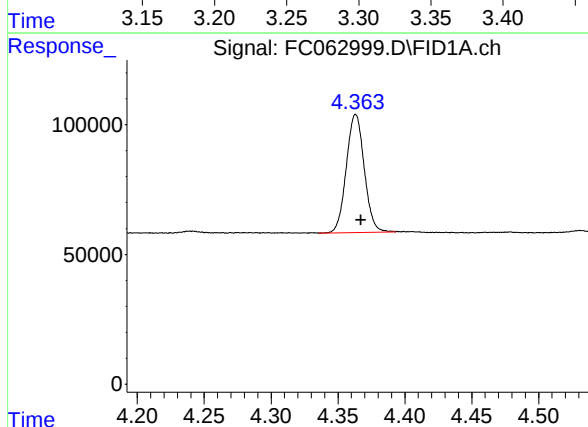
#1 n-Nonane (C9)

R.T.: 3.297 min
Delta R.T.: -0.003 min
Response: 347691
Conc: 2.93 ug/ml

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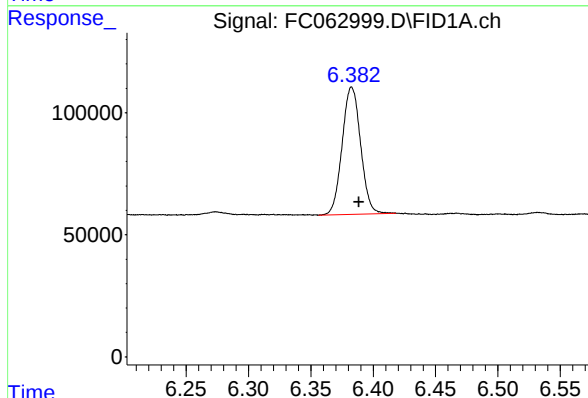
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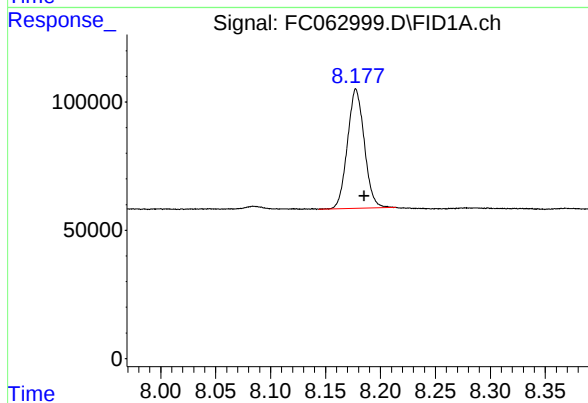
#2 n-Decane (C10)

R.T.: 4.363 min
Delta R.T.: -0.004 min
Response: 424940
Conc: 3.69 ug/ml



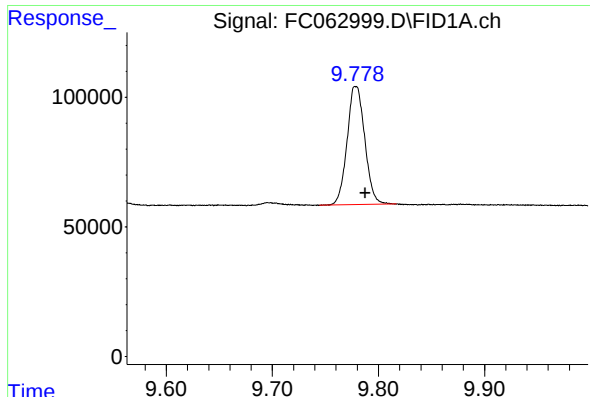
#4 n-Dodecane (C12)

R.T.: 6.383 min
Delta R.T.: -0.006 min
Response: 536240
Conc: 4.64 ug/ml



#6 n-Tetradecane (C14)

R.T.: 8.178 min
Delta R.T.: -0.007 min
Response: 495445
Conc: 4.38 ug/ml



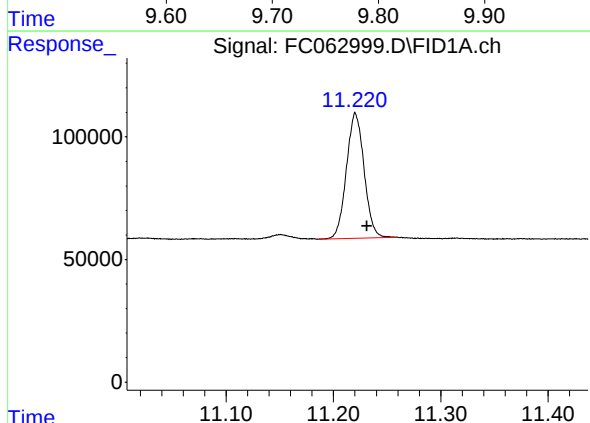
#7 n-Hexadecane (C16)

R.T.: 9.779 min
Delta R.T.: -0.009 min
Response: 527297
Conc: 4.58 ug/ml

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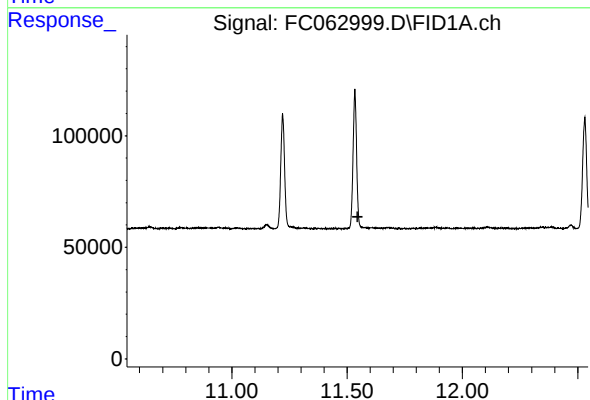
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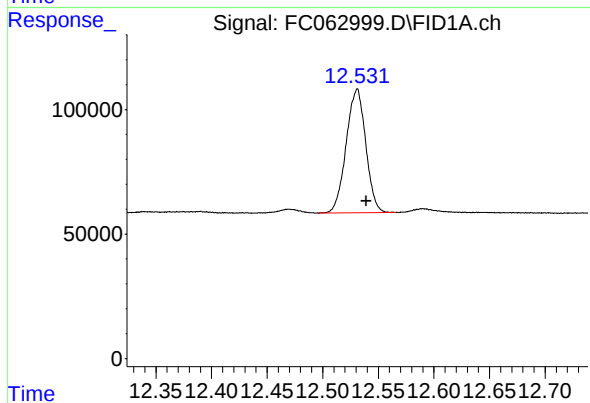
#8 n-Octadecane (C18)

R.T.: 11.221 min
Delta R.T.: -0.011 min
Response: 584580
Conc: 5.02 ug/ml



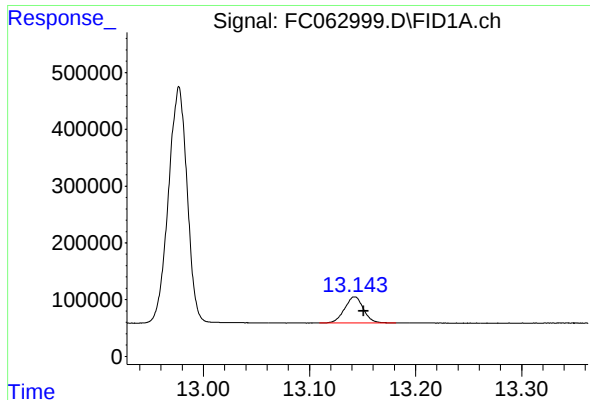
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.545 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.531 min
Delta R.T.: -0.008 min
Response: 610106
Conc: 5.35 ug/ml



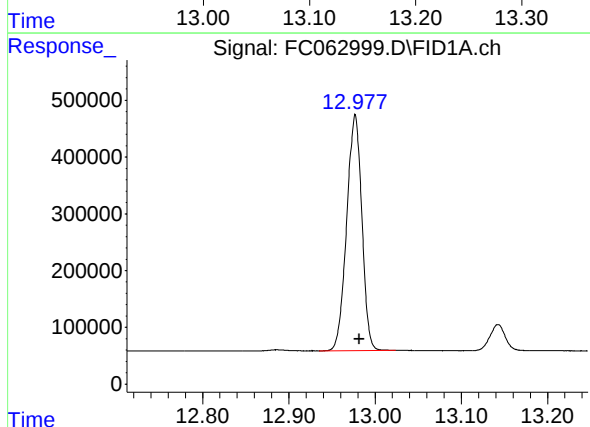
#11 n-Heneicosane (C21)

R.T.: 13.143 min
Delta R.T.: -0.008 min
Response: 568580
Conc: 4.99 ug/ml

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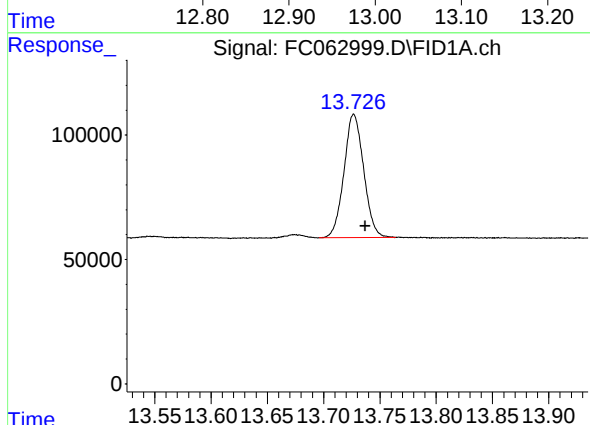
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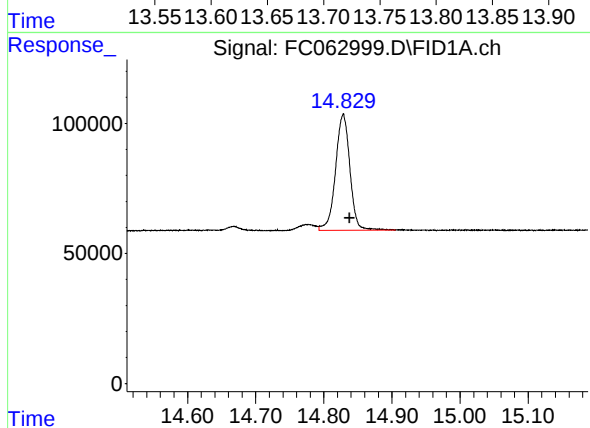
#12 1-chlorooctadecane (SURR)

R.T.: 12.977 min
Delta R.T.: -0.005 min
Response: 5079364
Conc: 52.07 ug/ml



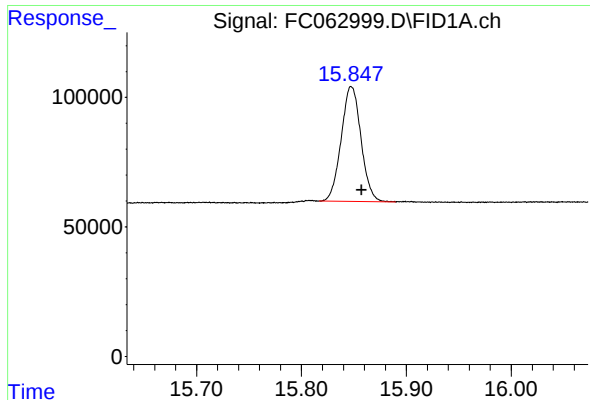
#13 n-Docosane (C22)

R.T.: 13.727 min
Delta R.T.: -0.010 min
Response: 604641
Conc: 5.36 ug/ml



#14 n-Tetracosane (C24)

R.T.: 14.829 min
Delta R.T.: -0.009 min
Response: 652964
Conc: 5.83 ug/ml m



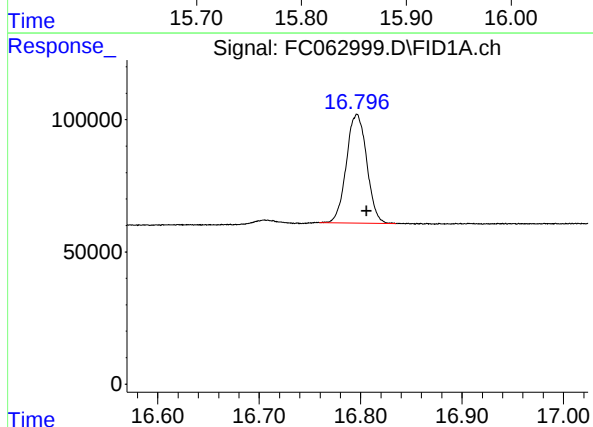
#15 n-Hexacosane (C26)

R.T.: 15.848 min
Delta R.T.: -0.010 min
Response: 582633
Conc: 5.27 ug/ml

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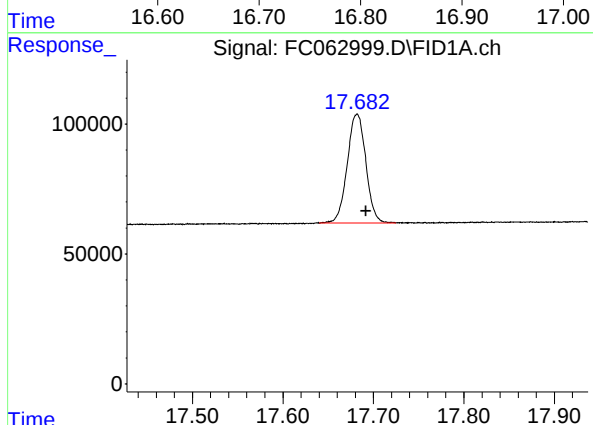
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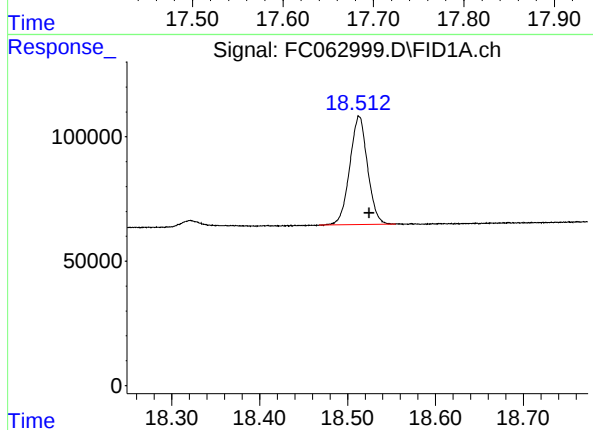
#16 n-Octacosane (C28)

R.T.: 16.796 min
Delta R.T.: -0.010 min
Response: 574241
Conc: 5.22 ug/ml



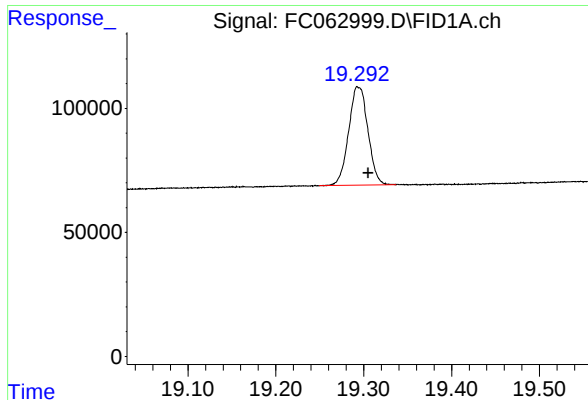
#17 n-Tricontane (C30)

R.T.: 17.682 min
Delta R.T.: -0.010 min
Response: 595834
Conc: 5.41 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.513 min
Delta R.T.: -0.012 min
Response: 612160
Conc: 5.49 ug/ml



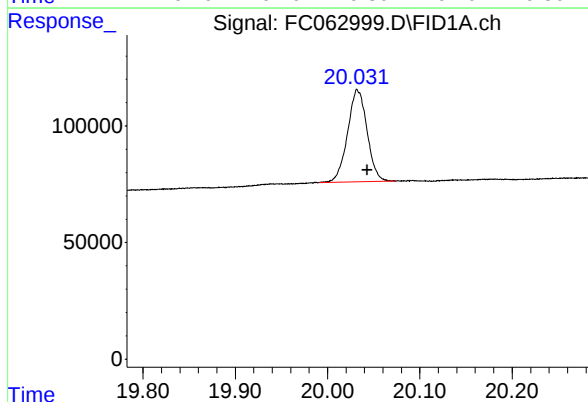
#19 n-Tetratriacontane (C34)

R.T.: 19.293 min
Delta R.T.: -0.012 min
Response: 601978
Conc: 5.39 ug/ml

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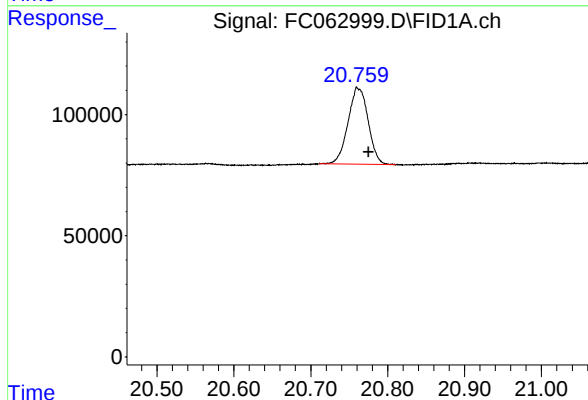
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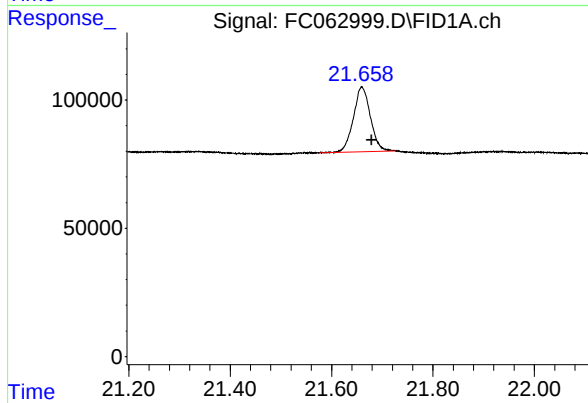
#20 n-Hexatriacontane (C36)

R.T.: 20.032 min
Delta R.T.: -0.011 min
Response: 579721
Conc: 5.34 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.760 min
Delta R.T.: -0.015 min
Response: 575685
Conc: 5.30 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.659 min
Delta R.T.: -0.020 min
Response: 587629
Conc: 5.40 ug/ml