

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC063022AL\
 Data File : FC060526.D
 Signal(s) : FID1A.ch
 Acq On : 30 Jun 2022 12:17
 Operator : YP/AJ
 Sample : N3214-01
 Misc : 2.5 PPM SOIL LOD
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 LOD-MDL-SOIL-01-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 04:59:07 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...	11.999	4076306	27.656 ug/ml
Spiked Amount 50.000		Recovery =	55.31%
Target Compounds			
1) T n-Nonane (C9)	2.648	141290	0.921 ug/ml
2) T n-Decane (C10)	3.642	175775	1.151 ug/ml
4) T n-Dodecane (C12)	5.580	421224	2.606 ug/ml
6) T n-Tetradecane (C14)	7.327	289954	1.755 ug/ml
7) T n-Hexadecane (C16)	8.886	275962	1.633 ug/ml
8) T n-Octadecane (C18)	10.289	327016	1.901 ug/mlm
10) T n-Eicosane (C20)	11.565	323416	1.895 ug/ml
11) T n-Heneicosane (C21)	12.161	328100	1.924 ug/ml
13) T n-Docosane (C22)	12.734	321908	1.888 ug/ml
14) T n-Tetracosane (C24)	13.808	318387	1.896 ug/ml
15) T n-Hexacosane (C26)	14.803	318353	1.937 ug/ml
16) T n-Octacosane (C28)	15.729	316852	1.997 ug/ml
17) T n-Tricontane (C30)	16.594	341639	2.244 ug/ml
18) T n-Dotriacontane (C32)	17.406	340761	2.344 ug/ml
19) T n-Tetratriacontane (C34)	18.169	303957	2.393 ug/ml
20) T n-Hexatriacontane (C36)	18.891	267909	2.387 ug/ml
21) T n-Octatriacontane (C38)	19.572	245519	2.243 ug/ml
22) T n-Tetracontane (C40)	20.218	238214	2.109 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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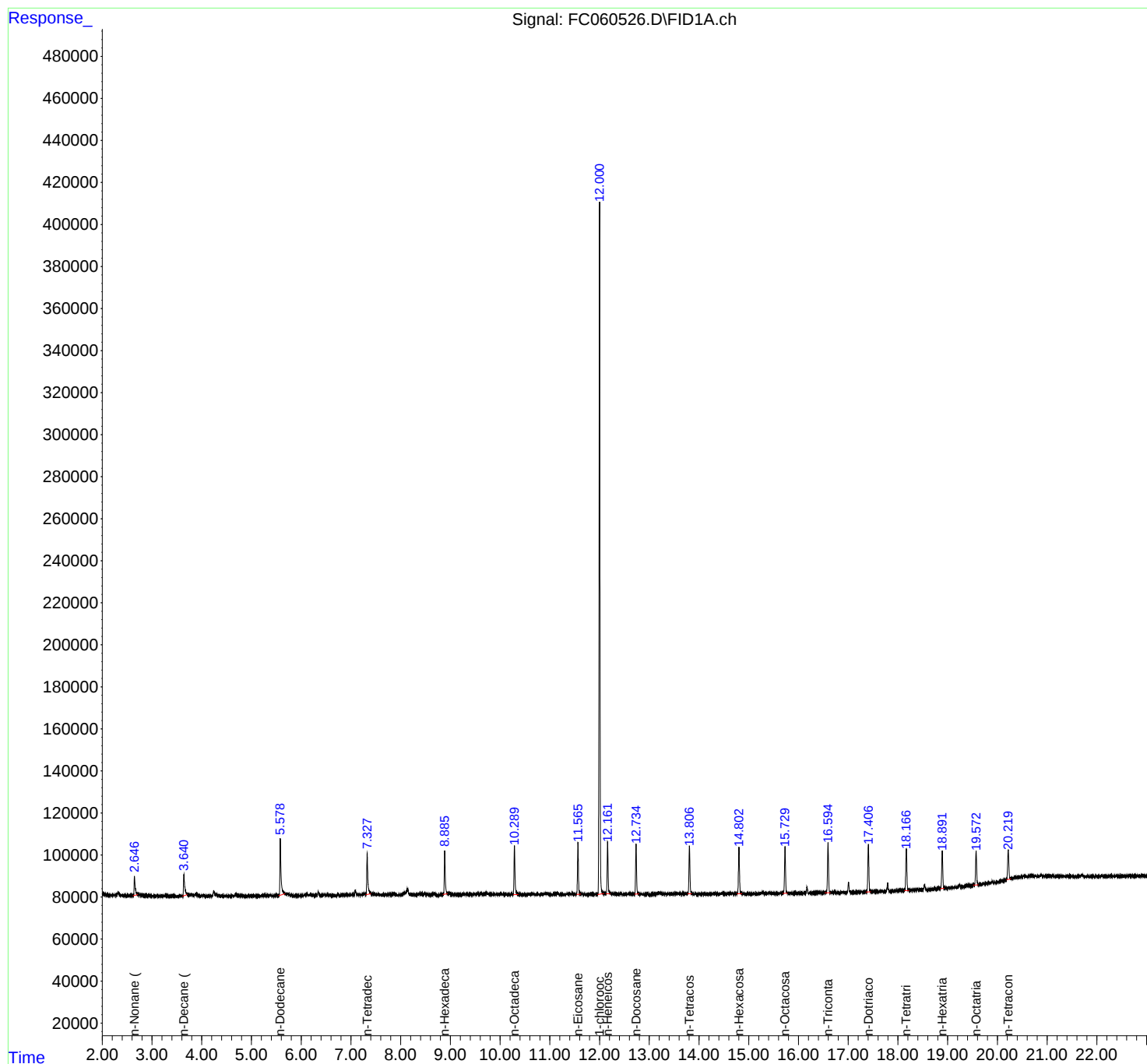
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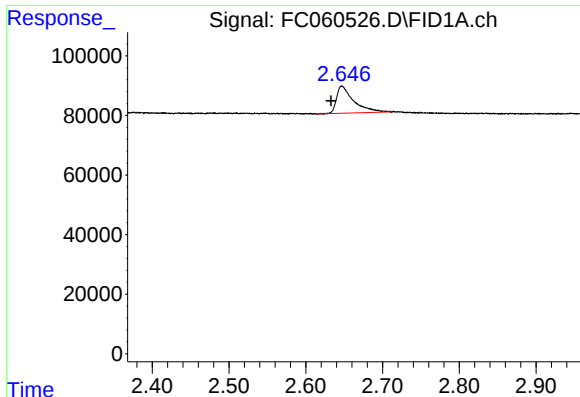
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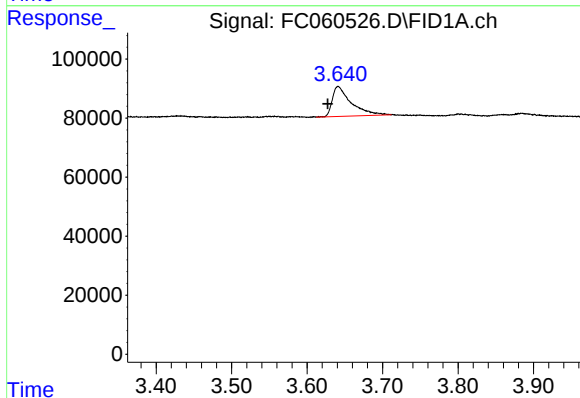
#1 n-Nonane (C9)

R.T.: 2.648 min
Delta R.T.: 0.015 min
Response: 141290
Conc: 0.92 ug/ml

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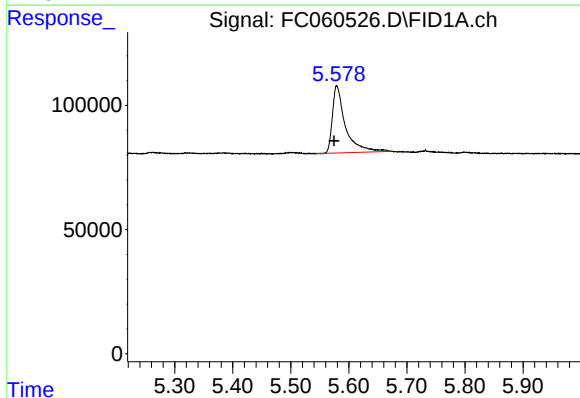
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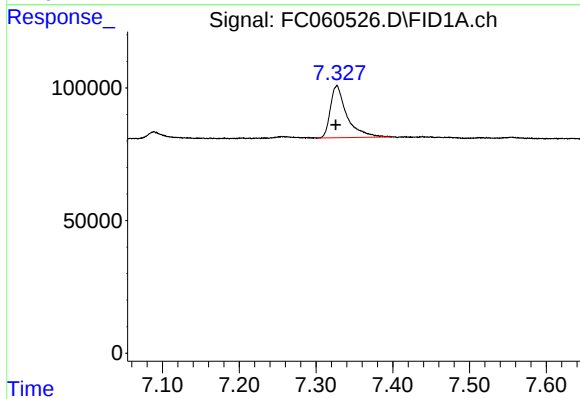
#2 n-Decane (C10)

R.T.: 3.642 min
Delta R.T.: 0.015 min
Response: 175775
Conc: 1.15 ug/ml



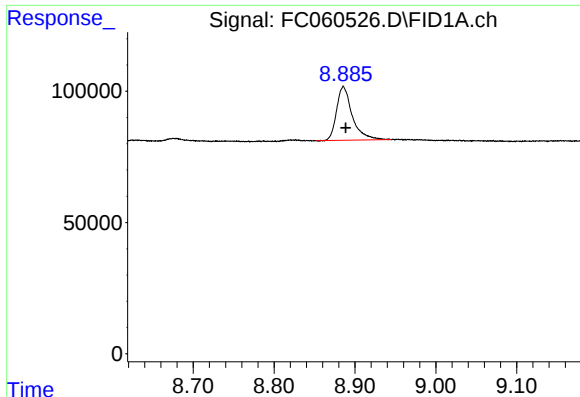
#4 n-Dodecane (C12)

R.T.: 5.580 min
Delta R.T.: 0.005 min
Response: 421224
Conc: 2.61 ug/ml



#6 n-Tetradecane (C14)

R.T.: 7.327 min
Delta R.T.: 0.002 min
Response: 289954
Conc: 1.76 ug/ml



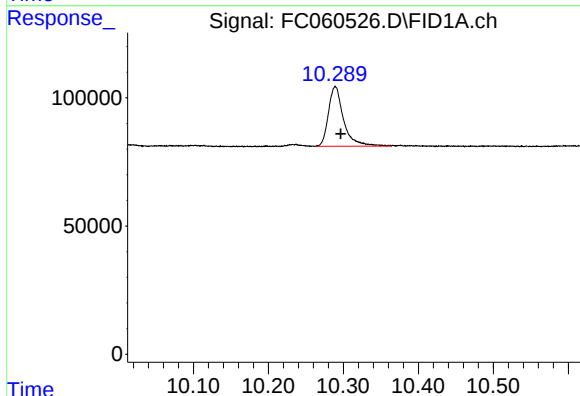
#7 n-Hexadecane (C16)

R.T.: 8.886 min
Delta R.T.: -0.003 min
Response: 275962
Conc: 1.63 ug/ml

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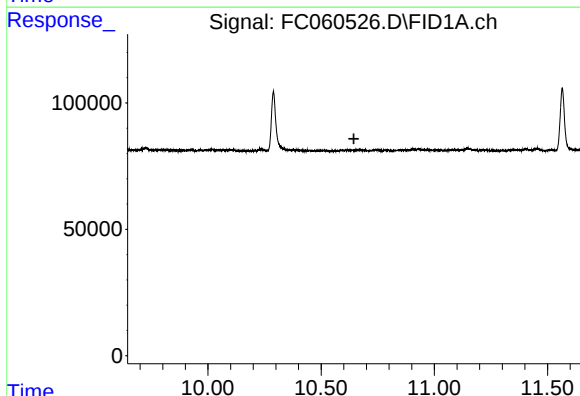
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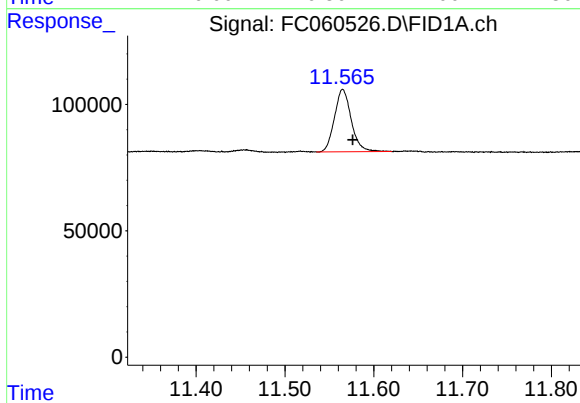
#8 n-Octadecane (C18)

R.T.: 10.289 min
Delta R.T.: -0.008 min
Response: 327016
Conc: 1.90 ug/ml m



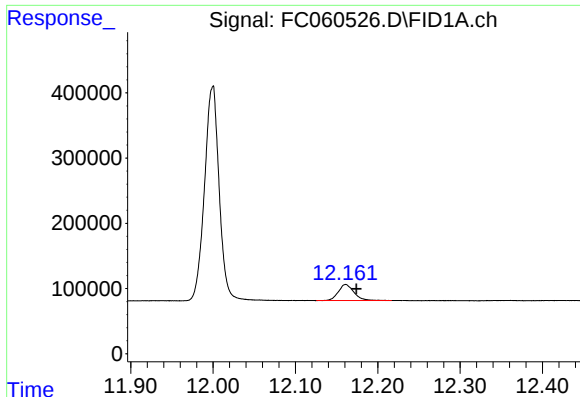
#9 ortho-Terphenyl (SURR)

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



#10 n-Eicosane (C20)

R.T.: 11.565 min
Delta R.T.: -0.011 min
Response: 323416
Conc: 1.89 ug/ml



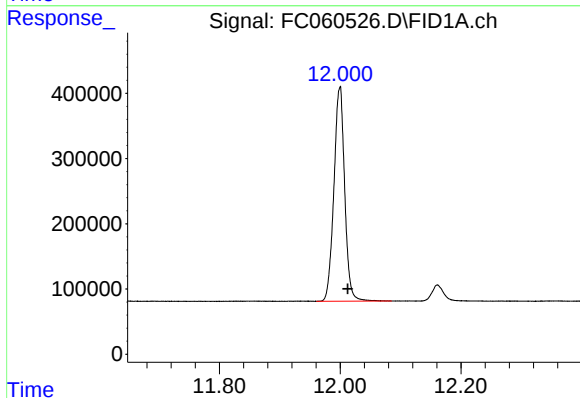
#11 n-Heneicosane (C21)

R.T.: 12.161 min
Delta R.T.: -0.013 min
Response: 328100
Conc: 1.92 ug/ml

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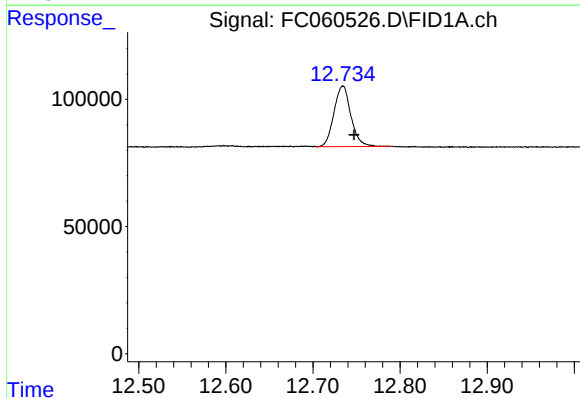
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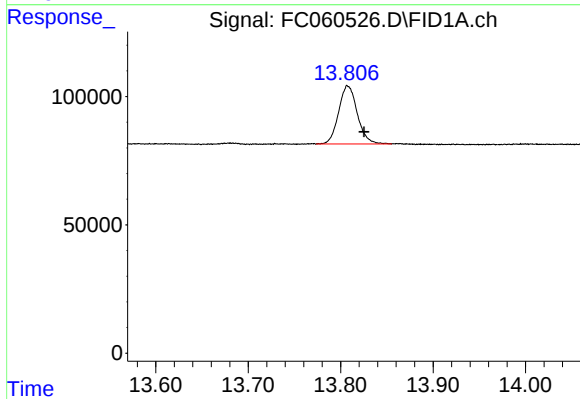
#12 1-chlorooctadecane (SURR)

R.T.: 11.999 min
Delta R.T.: -0.014 min
Response: 4076306
Conc: 27.66 ug/ml



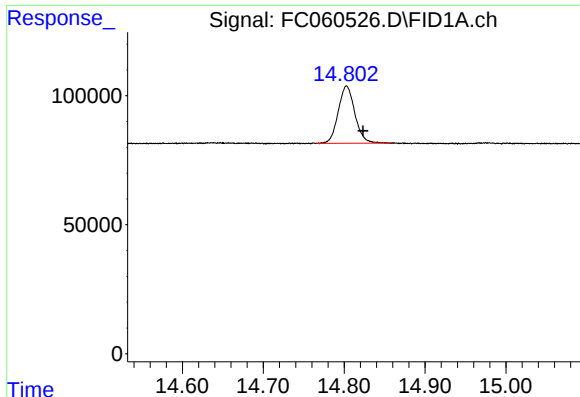
#13 n-Docosane (C22)

R.T.: 12.734 min
Delta R.T.: -0.013 min
Response: 321908
Conc: 1.89 ug/ml



#14 n-Tetracosane (C24)

R.T.: 13.808 min
Delta R.T.: -0.017 min
Response: 318387
Conc: 1.90 ug/ml



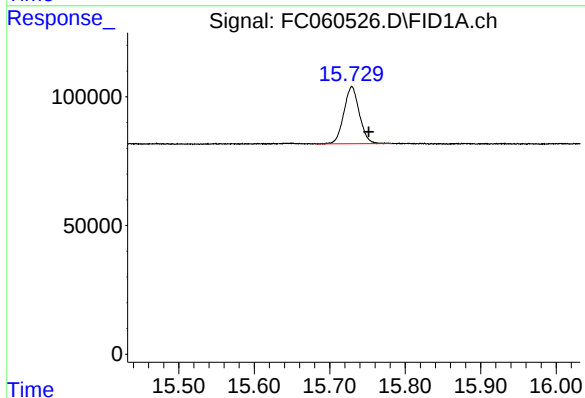
#15 n-Hexacosane (C26)

R.T.: 14.803 min
Delta R.T.: -0.021 min
Response: 318353
Conc: 1.94 ug/ml

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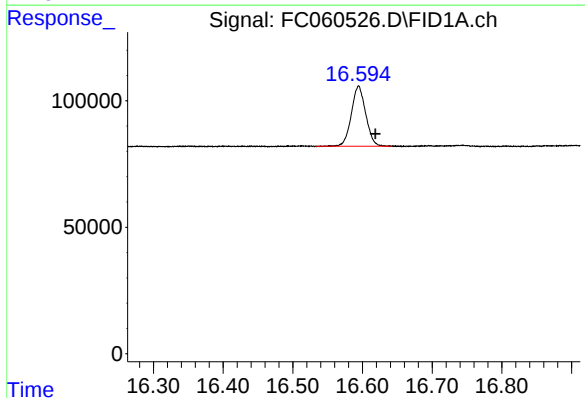
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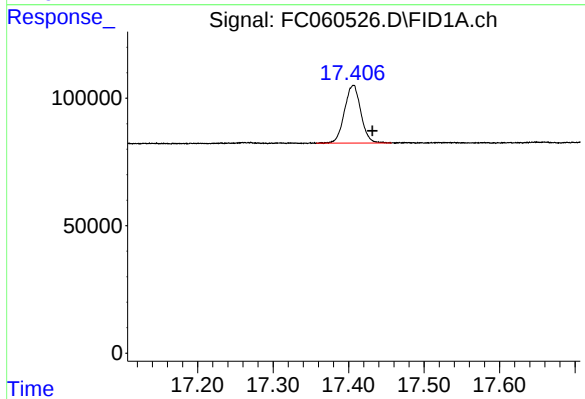
#16 n-Octacosane (C28)

R.T.: 15.729 min
Delta R.T.: -0.022 min
Response: 316852
Conc: 2.00 ug/ml



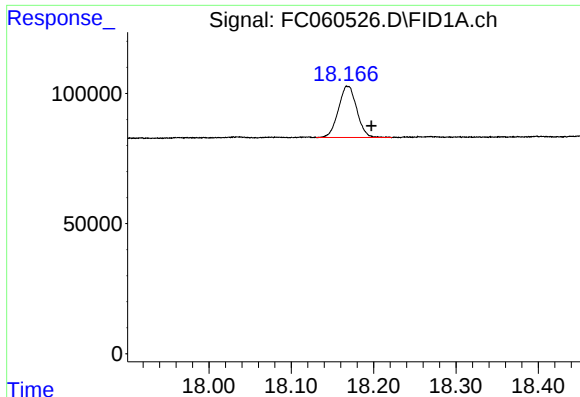
#17 n-Tricontane (C30)

R.T.: 16.594 min
Delta R.T.: -0.024 min
Response: 341639
Conc: 2.24 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 17.406 min
Delta R.T.: -0.025 min
Response: 340761
Conc: 2.34 ug/ml



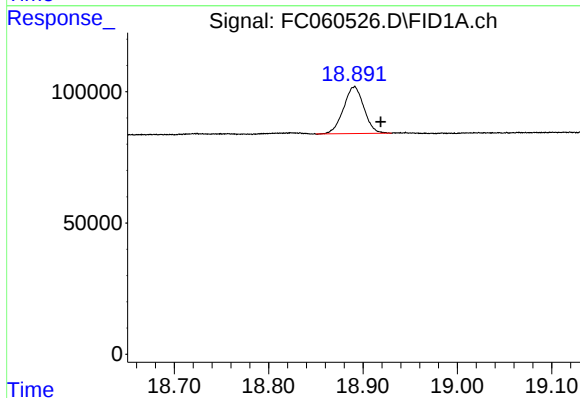
#19 n-Tetratriacontane (C34)

R.T.: 18.169 min
Delta R.T.: -0.029 min
Response: 303957
Conc: 2.39 ug/ml

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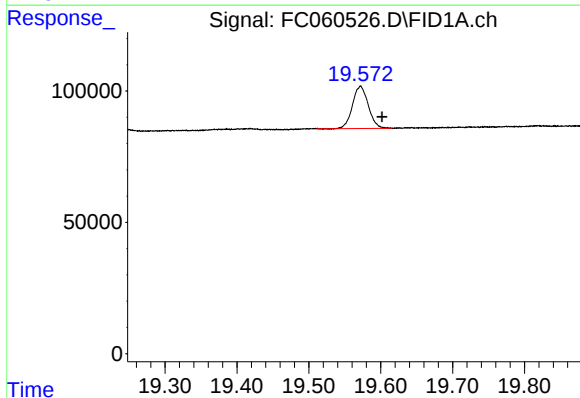
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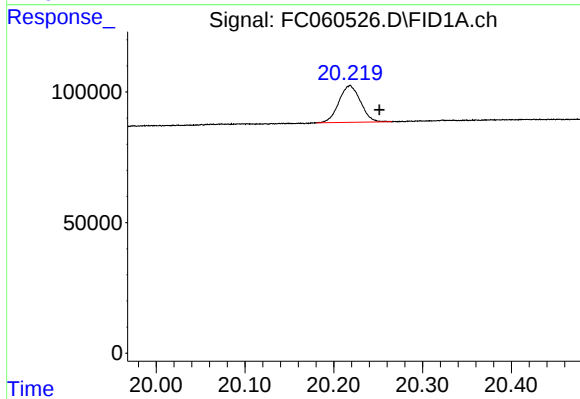
#20 n-Hexatriacontane (C36)

R.T.: 18.891 min
Delta R.T.: -0.028 min
Response: 267909
Conc: 2.39 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 19.572 min
Delta R.T.: -0.030 min
Response: 245519
Conc: 2.24 ug/ml



#22 n-Tetracontane (C40)

R.T.: 20.218 min
Delta R.T.: -0.033 min
Response: 238214
Conc: 2.11 ug/ml