

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082622AL\
 Data File : FC061322.D
 Signal(s) : FID1A.ch
 Acq On : 27 Aug 2022 00:22
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/29/2022
 Supervised By :Ankita Jodhani 08/29/2022

Integration File: autoint1.e
 Quant Time: Aug 27 01:57:22 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 082222.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 23 05:32:18 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			
9) S ortho-Terphenyl (SURR)	11.639	2970801	16.781 ug/ml
Spiked Amount 50.000		Recovery =	33.56%
12) S 1-chlorooctadecane (S...	13.070	2364491	16.883 ug/ml
Spiked Amount 50.000		Recovery =	33.77%
Target Compounds			
1) T n-Nonane (C9)	3.407	2701781	17.870 ug/ml
2) T n-Decane (C10)	4.476	2710208	17.861 ug/ml
3) T A~Naphthalene (C11.7)	6.064	3036550	17.542 ug/ml
4) T n-Dodecane (C12)	6.491	2729869	17.627 ug/ml
5) T A~2-methylnaphthalene...	7.117	3056838	17.360 ug/ml
6) T n-Tetradecane (C14)	8.284	2731532	17.463 ug/ml
7) T n-Hexadecane (C16)	9.881	2720769	17.370 ug/ml
8) T n-Octadecane (C18)	11.319	2721166	17.248 ug/ml
10) T n-Eicosane (C20)	12.626	2659014	17.104 ug/ml
11) T n-Heneicosane (C21)	13.237	2644062	16.904 ug/ml
13) T n-Docosane (C22)	13.822	2628208	16.936 ug/ml
14) T n-Tetracosane (C24)	14.923	2631829	17.012 ug/ml
15) T n-Hexacosane (C26)	15.942	2546449	16.919 ug/ml
16) T n-Octacosane (C28)	16.889	2487215	16.839 ug/ml
17) T n-Tricontane (C30)	17.775	2408251	17.436 ug/ml
18) T n-Dotriacontane (C32)	18.606	1987924	18.111 ug/ml
19) T n-Tetratriacontane (C34)	19.386	1438717	18.639 ug/ml
20) T n-Hexatriacontane (C36)	20.125	1087465	19.261 ug/ml
21) T n-Octatriacontane (C38)	20.868	899820	19.396 ug/ml
22) T n-Tetracontane (C40)	21.798	870034	20.743 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

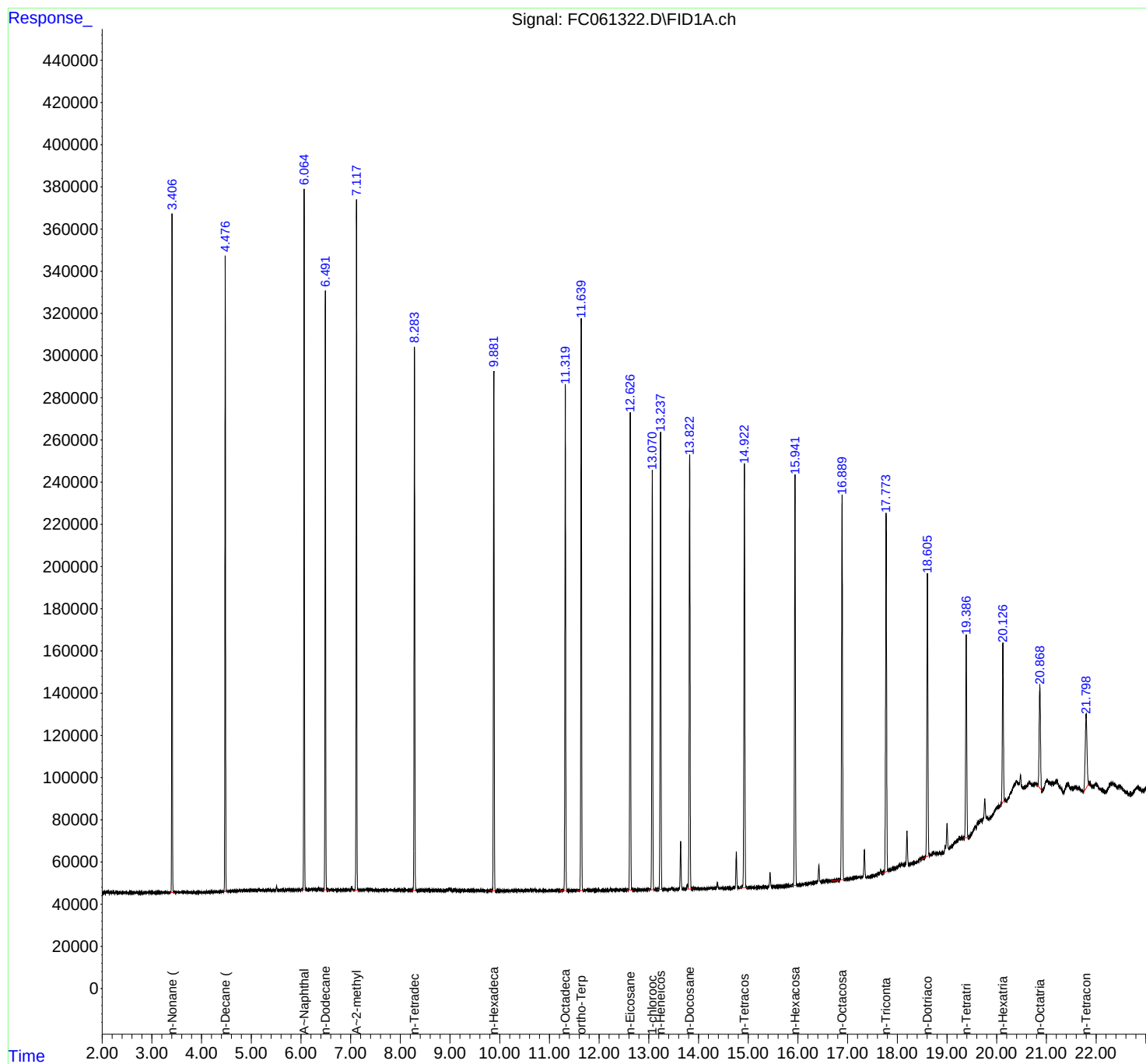
Instrument :
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20 PPM ALIPHATIC HC STD

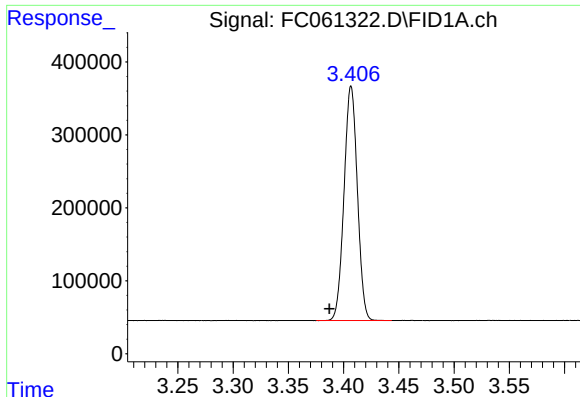
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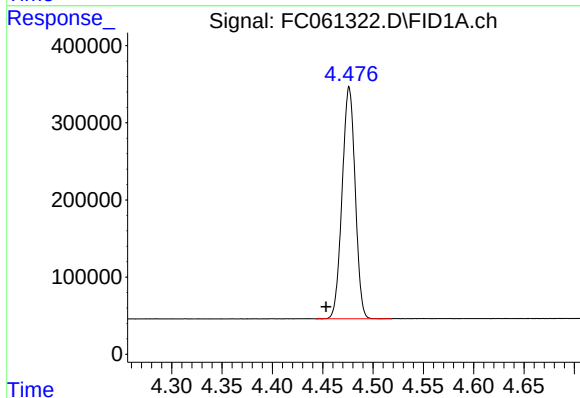
#1 n-Nonane (C9)

R.T.: 3.407 min
Delta R.T.: 0.020 min
Response: 2701781
Conc: 17.87 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

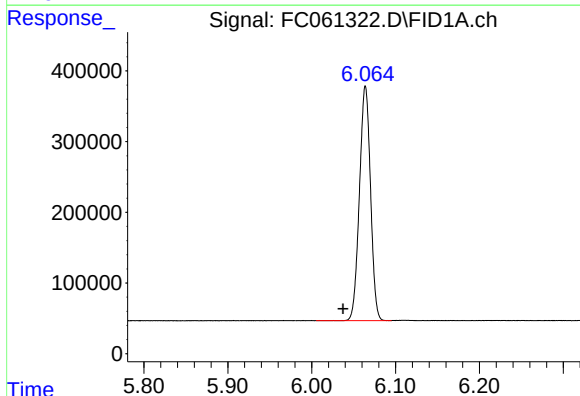
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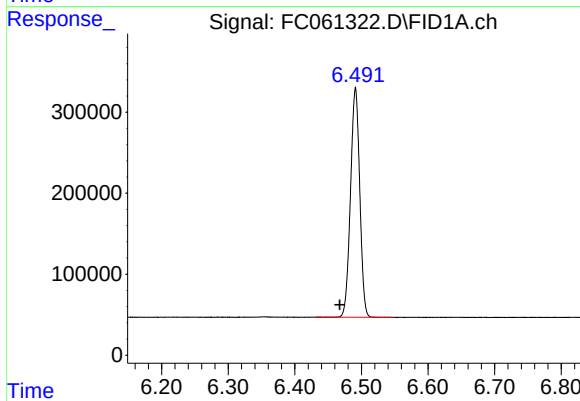
#2 n-Decane (C10)

R.T.: 4.476 min
Delta R.T.: 0.023 min
Response: 2710208
Conc: 17.86 ug/ml



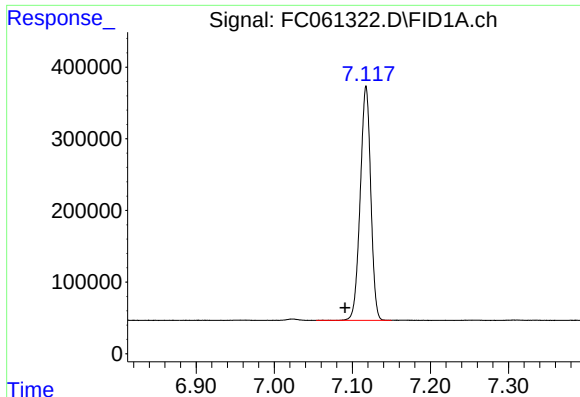
#3 A~Naphthalene (C11.7)

R.T.: 6.064 min
Delta R.T.: 0.027 min
Response: 3036550
Conc: 17.54 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.491 min
Delta R.T.: 0.024 min
Response: 2729869
Conc: 17.63 ug/ml



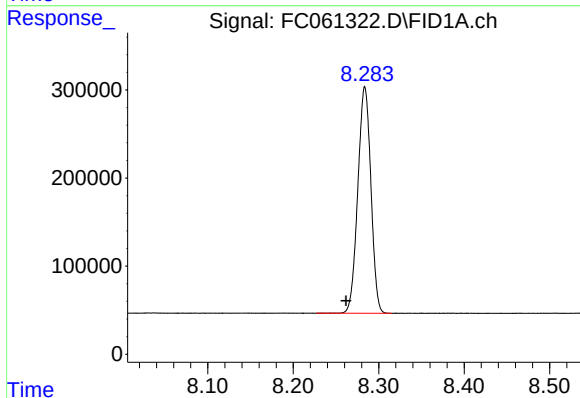
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.117 min
Delta R.T.: 0.027 min
Response: 3056838
Conc: 17.36 ug/ml

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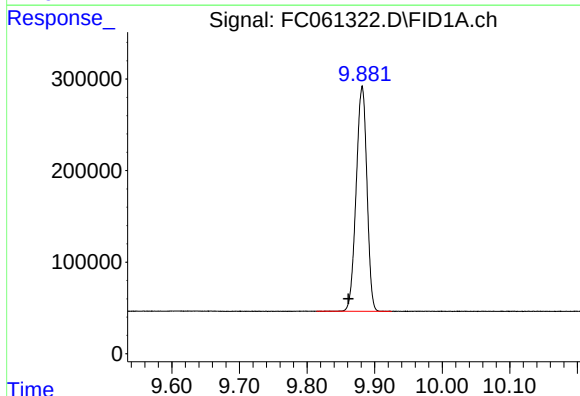
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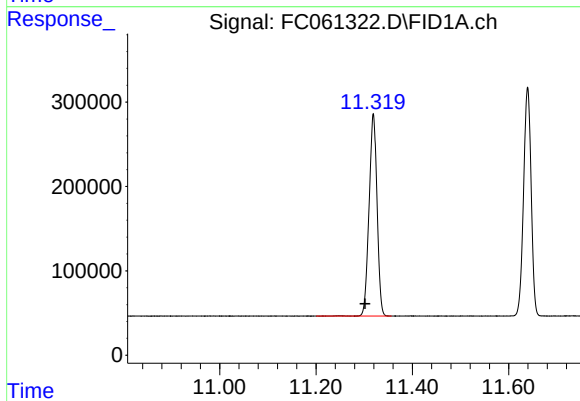
#6 n-Tetradecane (C14)

R.T.: 8.284 min
Delta R.T.: 0.022 min
Response: 2731532
Conc: 17.46 ug/ml



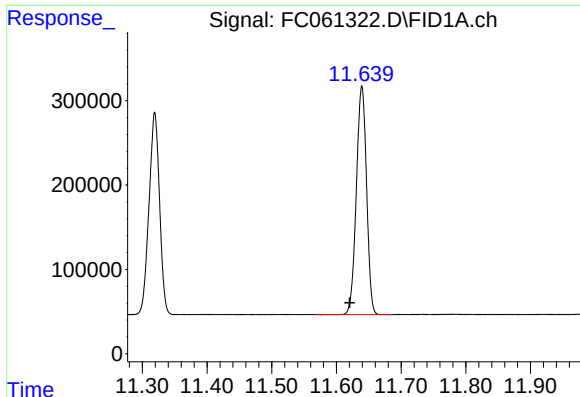
#7 n-Hexadecane (C16)

R.T.: 9.881 min
Delta R.T.: 0.020 min
Response: 2720769
Conc: 17.37 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.319 min
Delta R.T.: 0.017 min
Response: 2721166
Conc: 17.25 ug/ml



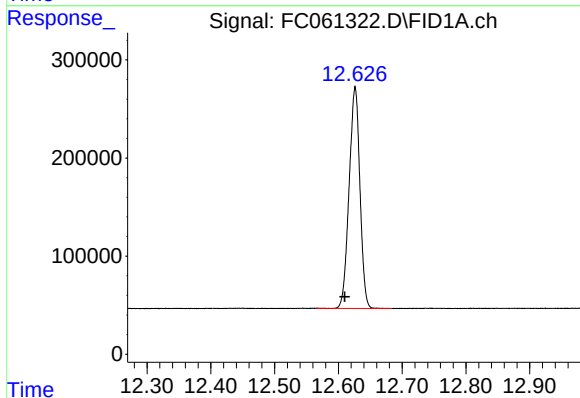
#9 ortho-Terphenyl (SURR)

R.T.: 11.639 min
Delta R.T.: 0.019 min
Response: 2970801
Conc: 16.78 ug/ml

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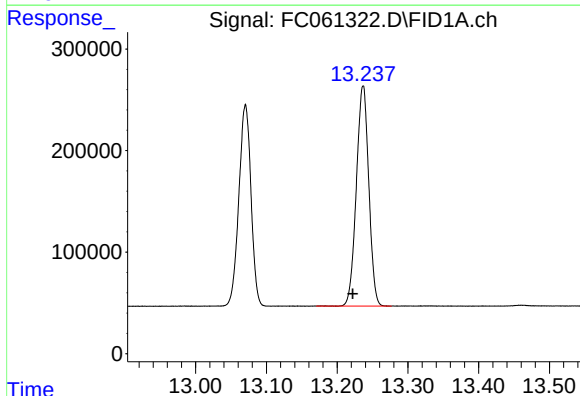
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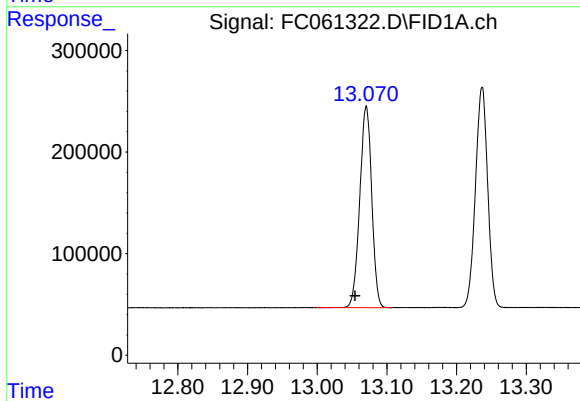
#10 n-Eicosane (C20)

R.T.: 12.626 min
Delta R.T.: 0.016 min
Response: 2659014
Conc: 17.10 ug/ml



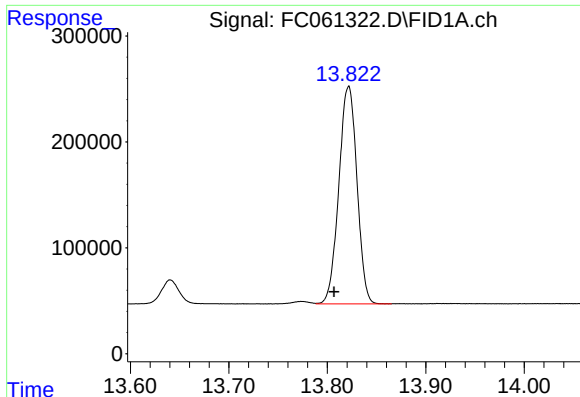
#11 n-Heneicosane (C21)

R.T.: 13.237 min
Delta R.T.: 0.014 min
Response: 2644062
Conc: 16.90 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.070 min
Delta R.T.: 0.016 min
Response: 2364491
Conc: 16.88 ug/ml



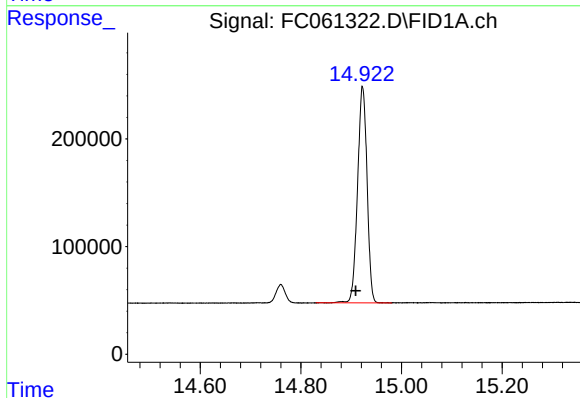
#13 n-Docosane (C22)

R.T.: 13.822 min
Delta R.T.: 0.015 min
Response: 2628208
Conc: 16.94 ug/ml

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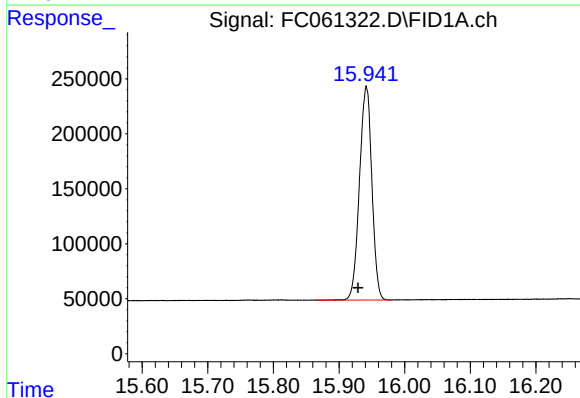
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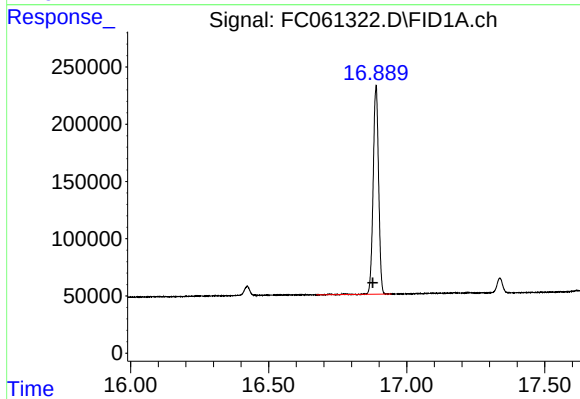
#14 n-Tetracosane (C24)

R.T.: 14.923 min
Delta R.T.: 0.014 min
Response: 2631829
Conc: 17.01 ug/ml



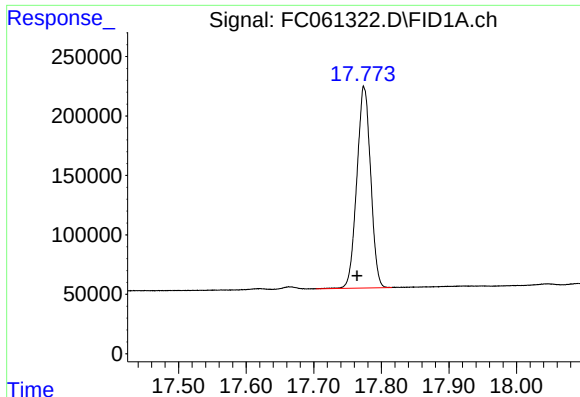
#15 n-Hexacosane (C26)

R.T.: 15.942 min
Delta R.T.: 0.013 min
Response: 2546449
Conc: 16.92 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.889 min
Delta R.T.: 0.012 min
Response: 2487215
Conc: 16.84 ug/ml



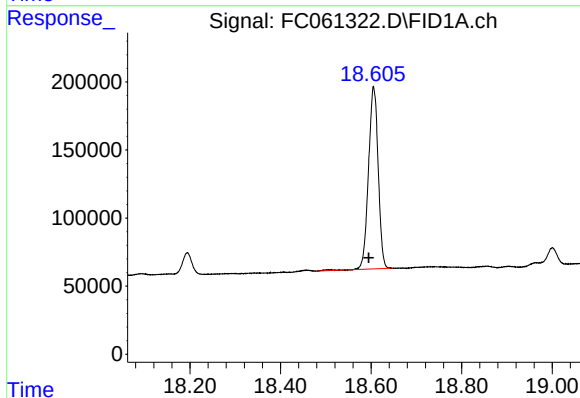
#17 n-Tricontane (C30)

R.T.: 17.775 min
Delta R.T.: 0.011 min
Response: 2408251
Conc: 17.44 ug/ml

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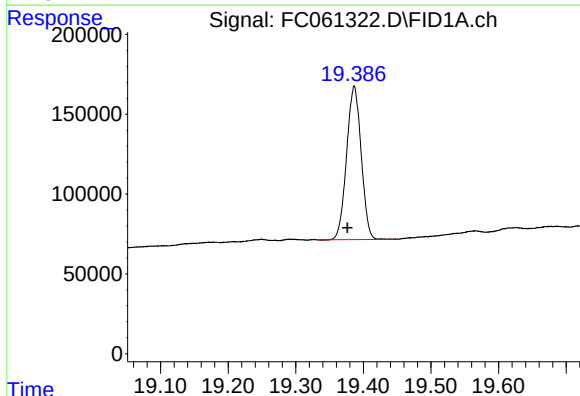
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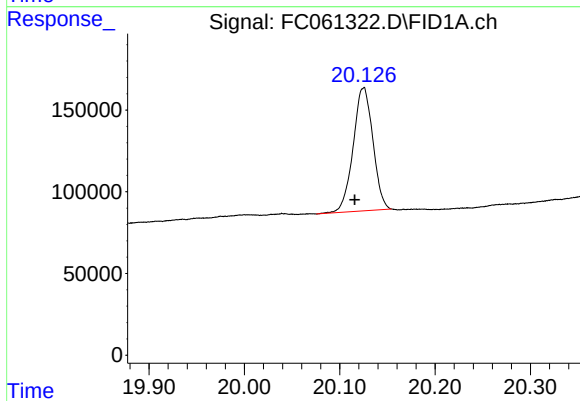
#18 n-Dotriacontane (C32)

R.T.: 18.606 min
Delta R.T.: 0.011 min
Response: 1987924
Conc: 18.11 ug/ml



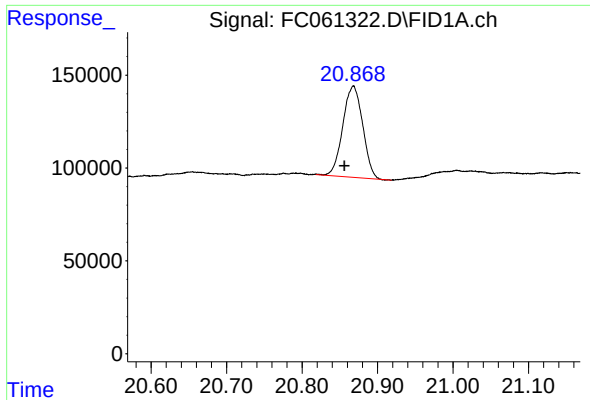
#19 n-Tetratriacontane (C34)

R.T.: 19.386 min
Delta R.T.: 0.010 min
Response: 1438717
Conc: 18.64 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.125 min
Delta R.T.: 0.009 min
Response: 1087465
Conc: 19.26 ug/ml



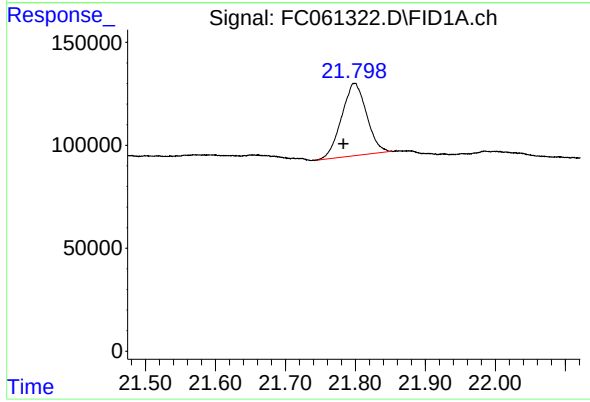
#21 n-Octatriacontane (C38)

R.T.: 20.868 min
Delta R.T.: 0.012 min
Response: 899820
Conc: 19.40 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.798 min
Delta R.T.: 0.016 min
Response: 870034
Conc: 20.74 ug/ml m