

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050525AL\
 Data File : FC068778.D
 Signal(s) : FID1A.ch
 Acq On : 05 May 2025 21:06
 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 05/06/2025
 Supervised By :mohammad ahmed 05/07/2025

Integration File: autoint1.e
 Quant Time: May 06 04:03:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 17:31:27 2025
 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)	11.709	2169447	17.037 ug/ml
Spiked Amount 50.000		Recovery =	34.07%
12) S 1-chlorooctadecane (S...	13.142	1571020	16.912 ug/ml
Spiked Amount 50.000		Recovery =	33.82%
Target Compounds			
1) T n-Nonane (C9)	3.442	1865519	17.712 ug/ml
2) T n-Decane (C10)	4.517	1887859	17.918 ug/ml
3) T A~Naphthalene (C11.7)	6.114	2050855	17.610 ug/ml
4) T n-Dodecane (C12)	6.542	1862344	17.709 ug/ml
5) T A~2-methylnaphthalene...	7.172	2008836	17.393 ug/ml
6) T n-Tetradecane (C14)	8.339	1801662	17.525 ug/ml
7) T n-Hexadecane (C16)	9.942	1772806	17.408 ug/ml
8) T n-Octadecane (C18)	11.385	1739358	17.284 ug/mlm
10) T n-Eicosane (C20)	12.696	1678695	17.067 ug/ml
11) T n-Heneicosane (C21)	13.309	1656389	16.996 ug/ml
13) T n-Docosane (C22)	13.895	1643358	17.013 ug/ml
14) T n-Tetracosane (C24)	14.999	1616589	16.984 ug/ml
15) T n-Hexacosane (C26)	16.022	1597584	17.104 ug/ml
16) T n-Octacosane (C28)	16.971	1659942	18.130 ug/ml
17) T n-Tricontane (C30)	17.860	1829072	19.896 ug/ml
18) T n-Dotriacontane (C32)	18.694	1910548	20.828 ug/ml
19) T n-Tetratriacontane (C34)	19.478	1837127	20.563 ug/ml
20) T n-Hexatriacontane (C36)	20.218	1817226	20.286 ug/ml
21) T n-Octatriacontane (C38)	20.993	1778264	20.113 ug/ml
22) T n-Tetracontane (C40)	21.968	1759385	19.924 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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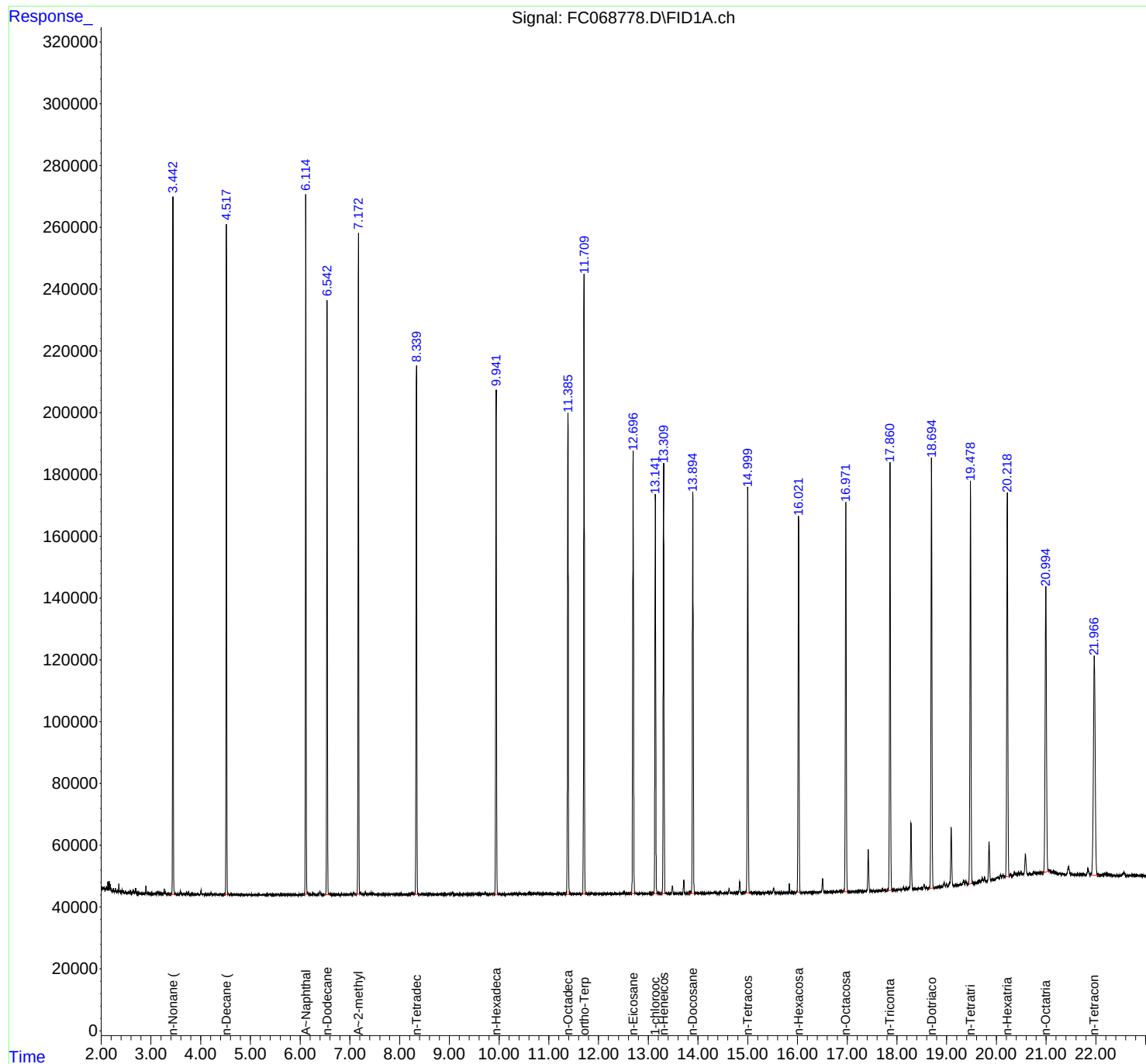
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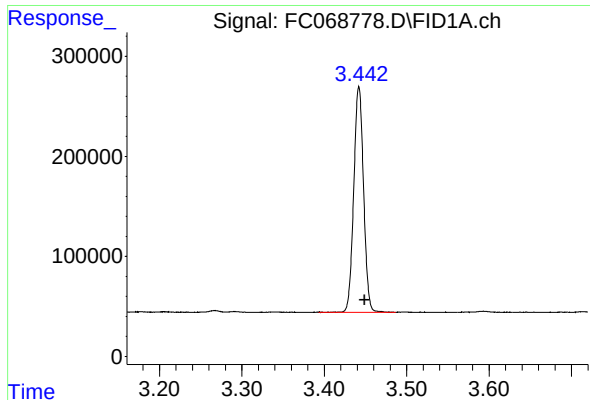
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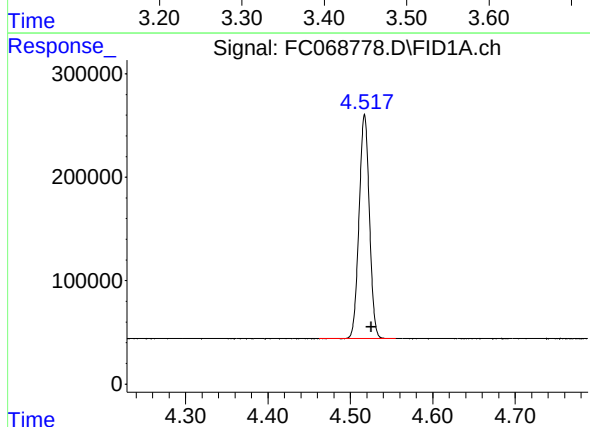
#1 n-Nonane (C9)

R.T.: 3.442 min
Delta R.T.: -0.007 min
Response: 1865519
Conc: 17.71 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

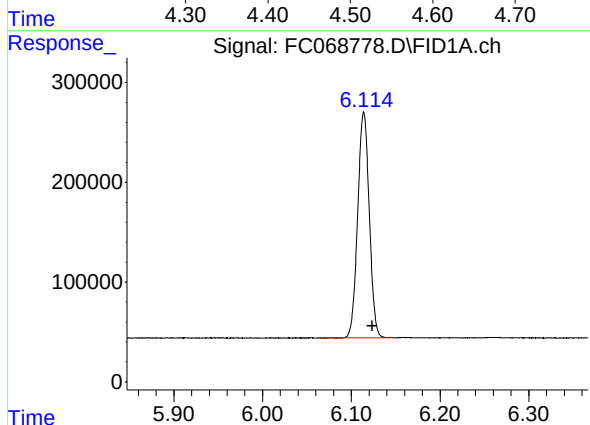
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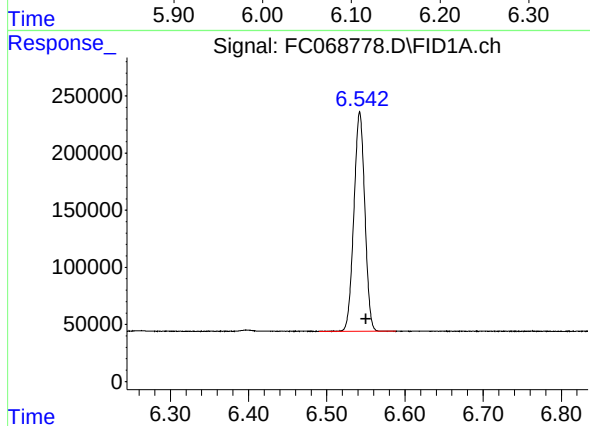
#2 n-Decane (C10)

R.T.: 4.517 min
Delta R.T.: -0.008 min
Response: 1887859
Conc: 17.92 ug/ml



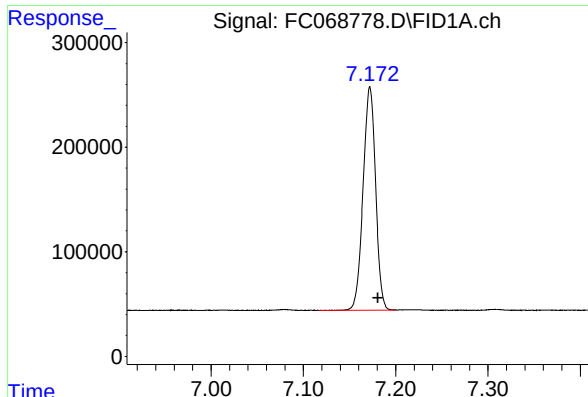
#3 A~Naphthalene (C11.7)

R.T.: 6.114 min
Delta R.T.: -0.009 min
Response: 2050855
Conc: 17.61 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.542 min
Delta R.T.: -0.008 min
Response: 1862344
Conc: 17.71 ug/ml



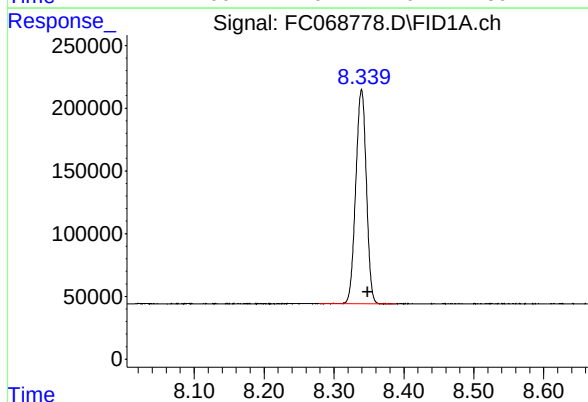
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.172 min
Delta R.T.: -0.009 min
Response: 2008836
Conc: 17.39 ug/ml

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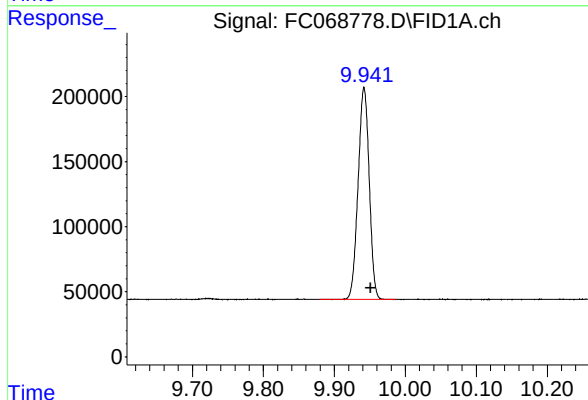
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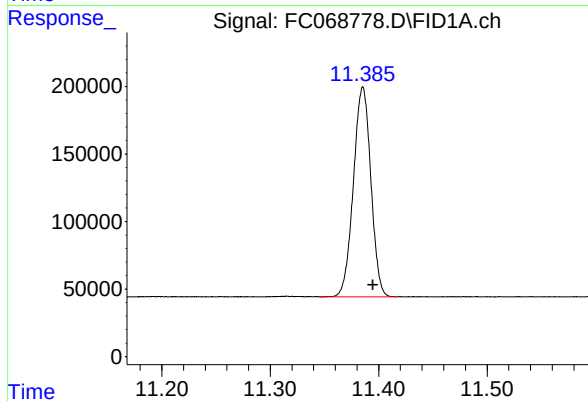
#6 n-Tetradecane (C14)

R.T.: 8.339 min
Delta R.T.: -0.009 min
Response: 1801662
Conc: 17.53 ug/ml



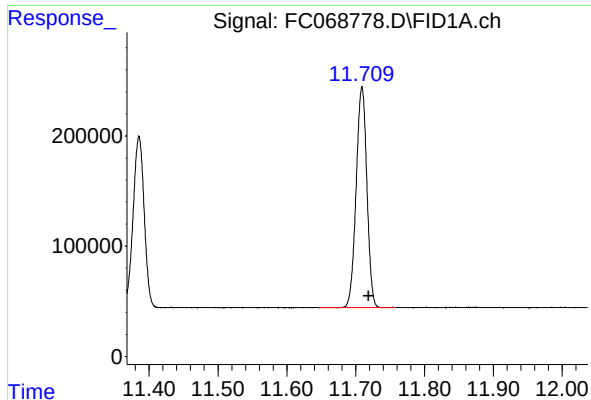
#7 n-Hexadecane (C16)

R.T.: 9.942 min
Delta R.T.: -0.009 min
Response: 1772806
Conc: 17.41 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.385 min
Delta R.T.: -0.010 min
Response: 1739358
Conc: 17.28 ug/ml m



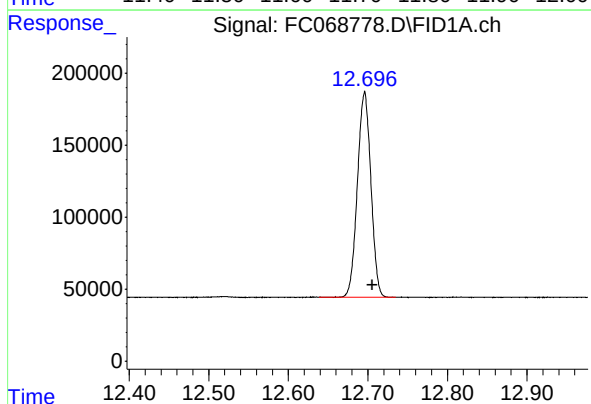
#9 ortho-Terphenyl (SURR)

R.T.: 11.709 min
Delta R.T.: -0.010 min
Response: 2169447
Conc: 17.04 ug/ml

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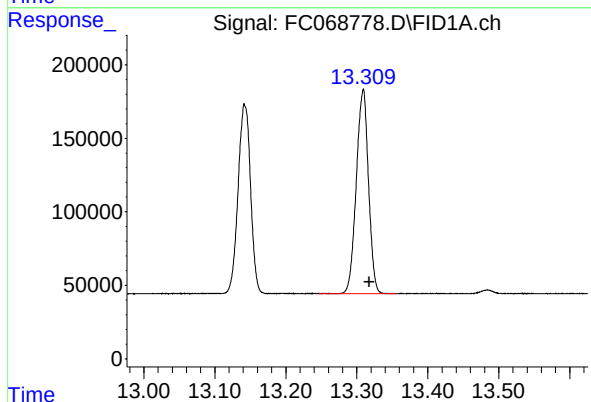
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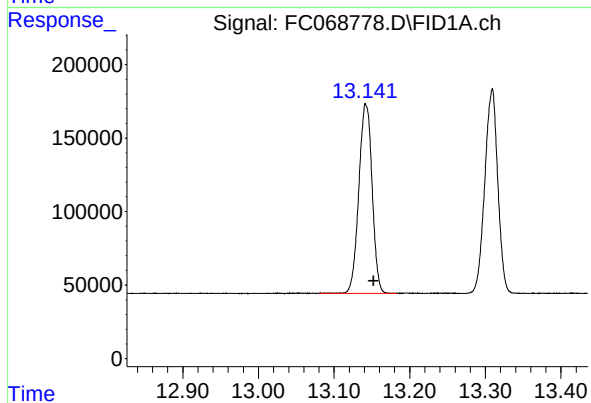
#10 n-Eicosane (C20)

R.T.: 12.696 min
Delta R.T.: -0.010 min
Response: 1678695
Conc: 17.07 ug/ml



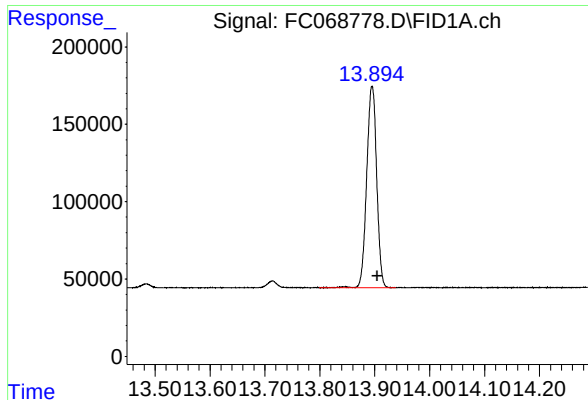
#11 n-Heneicosane (C21)

R.T.: 13.309 min
Delta R.T.: -0.009 min
Response: 1656389
Conc: 17.00 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.142 min
Delta R.T.: -0.010 min
Response: 1571020
Conc: 16.91 ug/ml



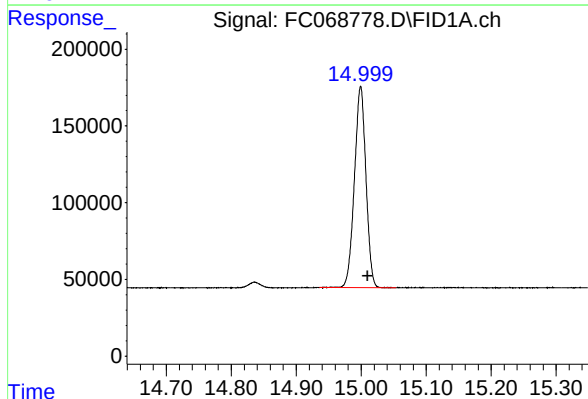
#13 n-Docosane (C22)

R.T.: 13.895 min
Delta R.T.: -0.010 min
Response: 1643358
Conc: 17.01 ug/ml

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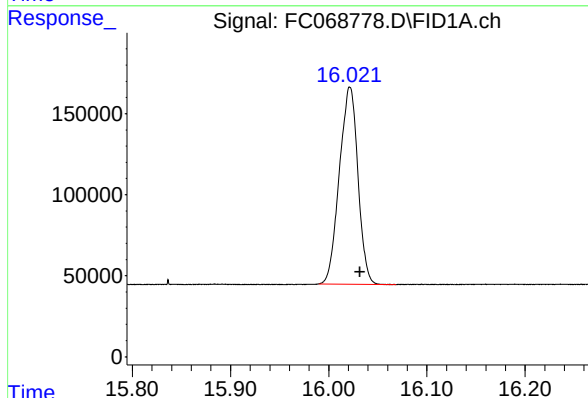
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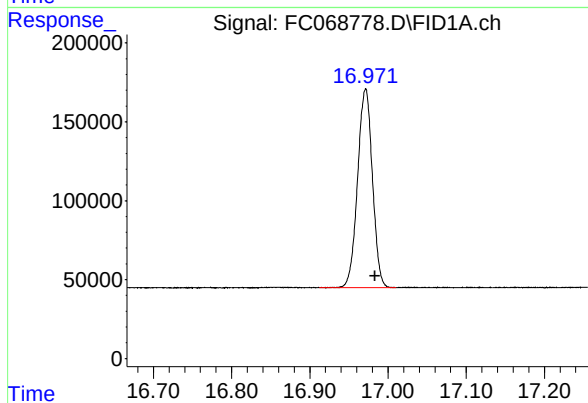
#14 n-Tetracosane (C24)

R.T.: 14.999 min
Delta R.T.: -0.011 min
Response: 1616589
Conc: 16.98 ug/ml



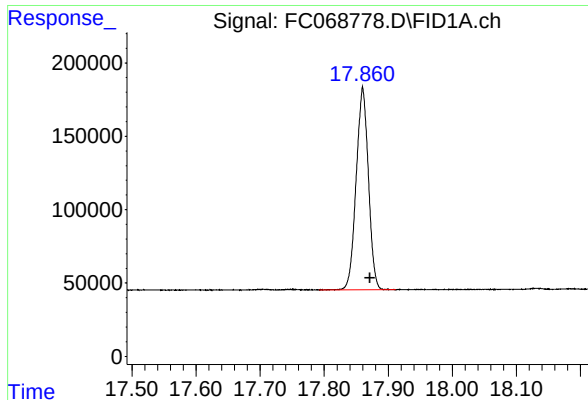
#15 n-Hexacosane (C26)

R.T.: 16.022 min
Delta R.T.: -0.010 min
Response: 1597584
Conc: 17.10 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.971 min
Delta R.T.: -0.012 min
Response: 1659942
Conc: 18.13 ug/ml



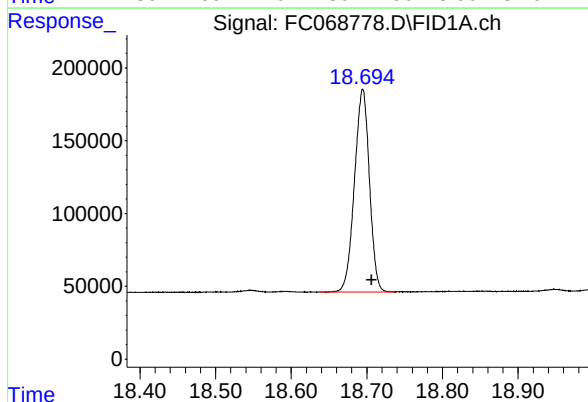
#17 n-Tricontane (C30)

R.T.: 17.860 min
Delta R.T.: -0.011 min
Response: 1829072
Conc: 19.90 ug/ml

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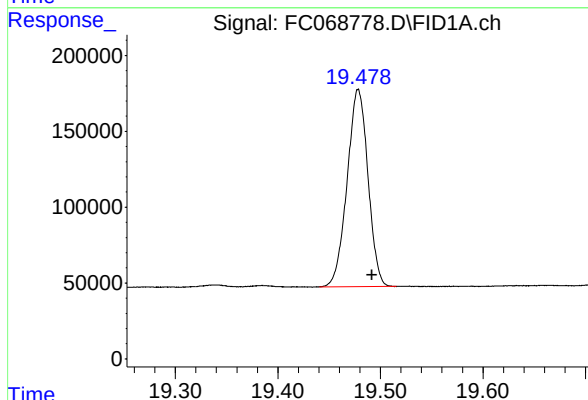
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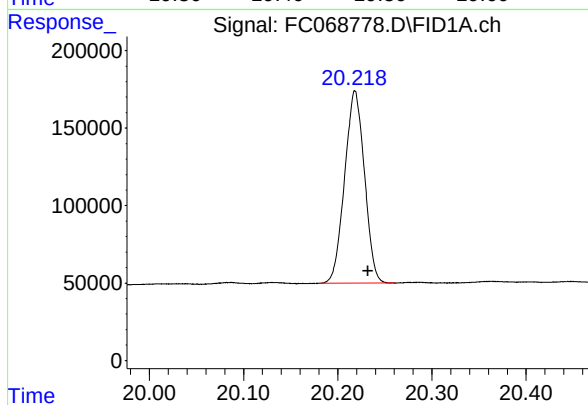
#18 n-Dotriacontane (C32)

R.T.: 18.694 min
Delta R.T.: -0.012 min
Response: 1910548
Conc: 20.83 ug/ml



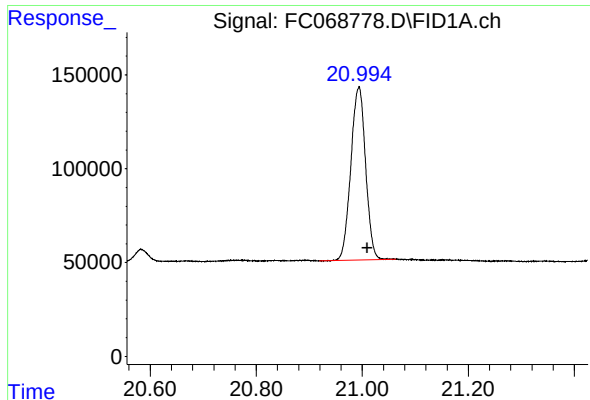
#19 n-Tetratriacontane (C34)

R.T.: 19.478 min
Delta R.T.: -0.013 min
Response: 1837127
Conc: 20.56 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.218 min
Delta R.T.: -0.014 min
Response: 1817226
Conc: 20.29 ug/ml



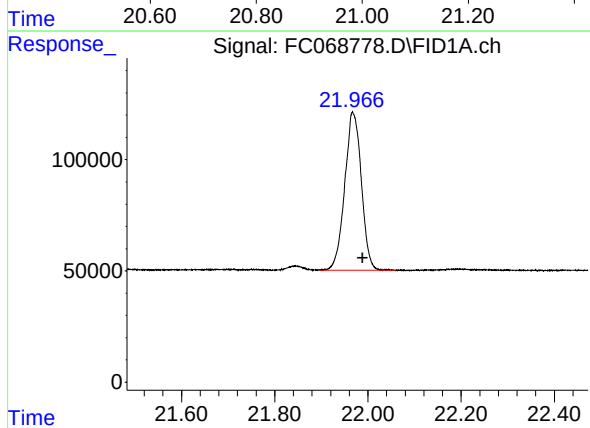
#21 n-Octatriacontane (C38)

R.T.: 20.993 min
Delta R.T.: -0.016 min
Response: 1778264
Conc: 20.11 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.968 min
Delta R.T.: -0.021 min
Response: 1759385
Conc: 19.92 ug/ml