

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041425AL\
 Data File : FC068590.D
 Signal(s) : FID1A.ch
 Acq On : 14 Apr 2025 13:56
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/15/2025
 Supervised By :mohammad ahmed 04/16/2025

Integration File: autoint1.e
 Quant Time: Apr 15 01:15:09 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)	11.715	2276174	17.875 ug/ml
Spiked Amount 50.000		Recovery =	35.75%
12) S 1-chlorooctadecane (S...	13.148	1661151	17.882 ug/ml
Spiked Amount 50.000		Recovery =	35.76%
Target Compounds			
1) T n-Nonane (C9)	3.445	2159461	20.503 ug/ml
2) T n-Decane (C10)	4.520	2181007	20.701 ug/ml
3) T A~Naphthalene (C11.7)	6.118	2380203	20.438 ug/ml
4) T n-Dodecane (C12)	6.546	2130785	20.262 ug/ml
5) T A~2-methylnaphthalene...	7.177	2273395	19.683 ug/ml
6) T n-Tetradecane (C14)	8.343	2033597	19.781 ug/ml
7) T n-Hexadecane (C16)	9.947	2034487	19.977 ug/ml
8) T n-Octadecane (C18)	11.391	2005744	19.931 ug/ml
10) T n-Eicosane (C20)	12.702	1908727	19.406 ug/ml
11) T n-Heneicosane (C21)	13.314	1874335	19.232 ug/ml
13) T n-Docosane (C22)	13.901	1866611	19.324 ug/ml
14) T n-Tetracosane (C24)	15.006	1866067	19.605 ug/ml
15) T n-Hexacosane (C26)	16.028	1852037	19.828 ug/ml
16) T n-Octacosane (C28)	16.980	1839271	20.089 ug/ml
17) T n-Tricontane (C30)	17.870	1882961	20.482 ug/ml
18) T n-Dotriacontane (C32)	18.704	1863710	20.318 ug/ml
19) T n-Tetratriacontane (C34)	19.490	1677022	18.771 ug/ml
20) T n-Hexatriacontane (C36)	20.234	1555534	17.365 ug/mlm
21) T n-Octatriacontane (C38)	21.005	1694969	19.171 ug/mlm
22) T n-Tetracontane (C40)	21.988	1747863	19.793 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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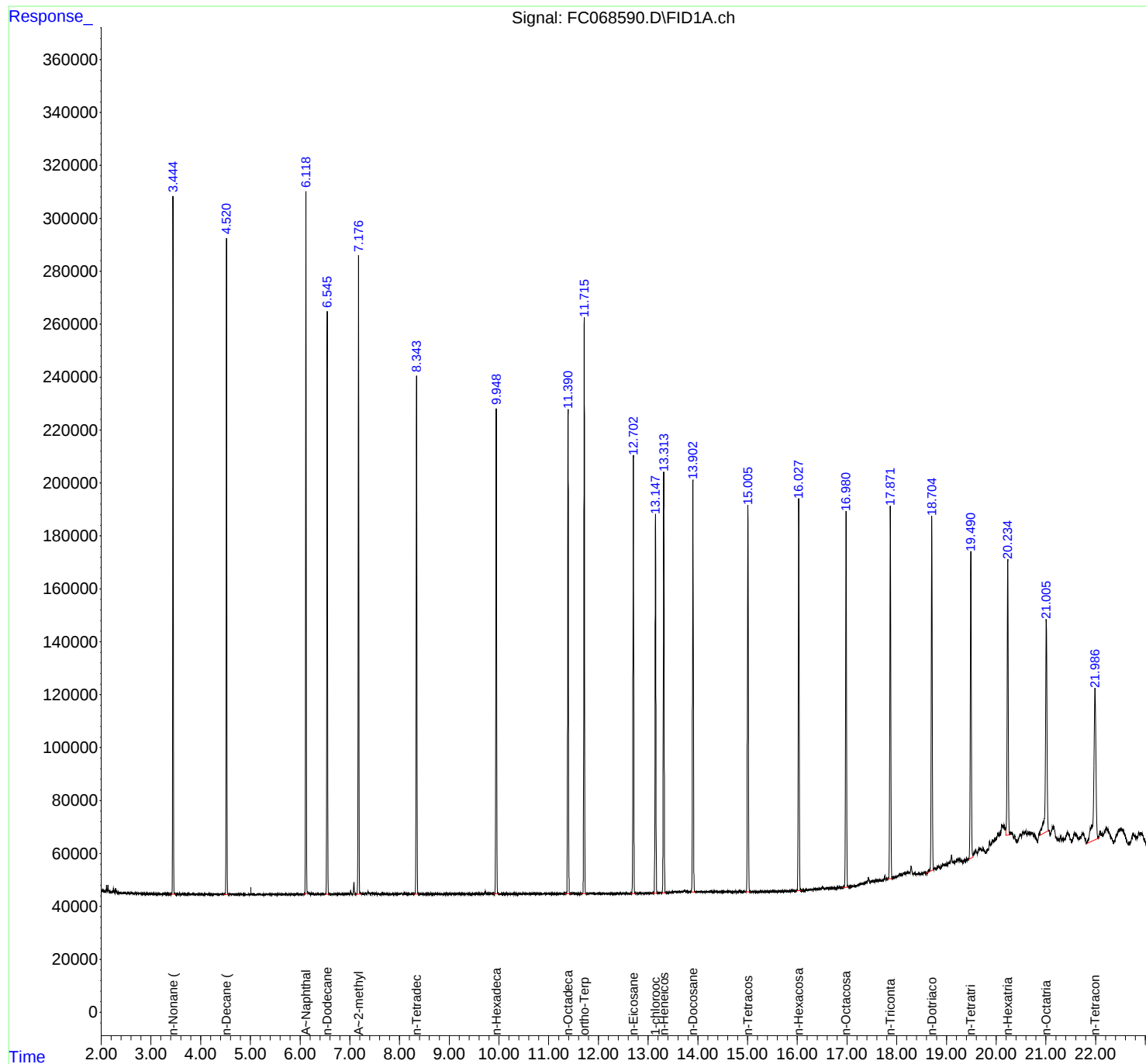
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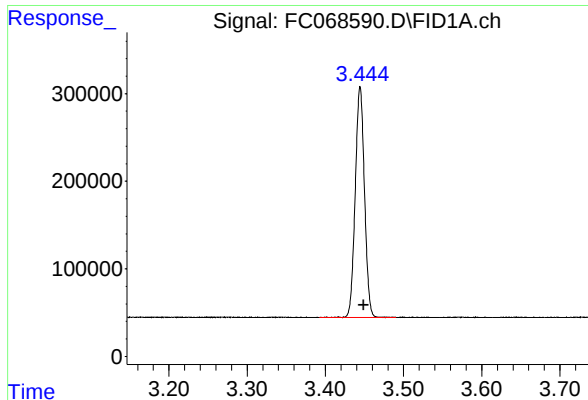
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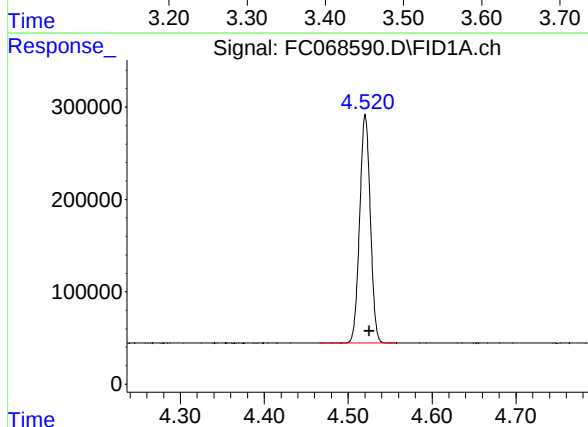
#1 n-Nonane (C9)

R.T.: 3.445 min
Delta R.T.: -0.004 min
Response: 2159461
Conc: 20.50 ug/ml

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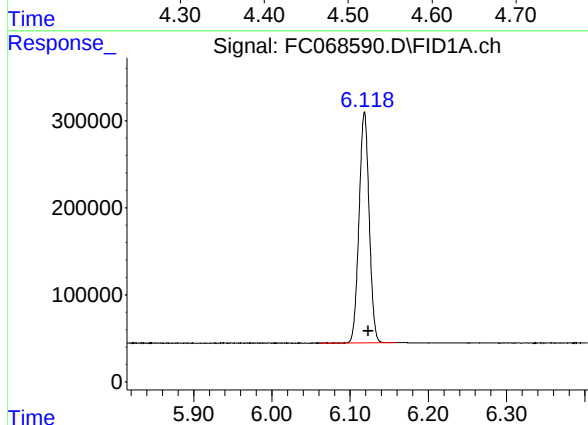
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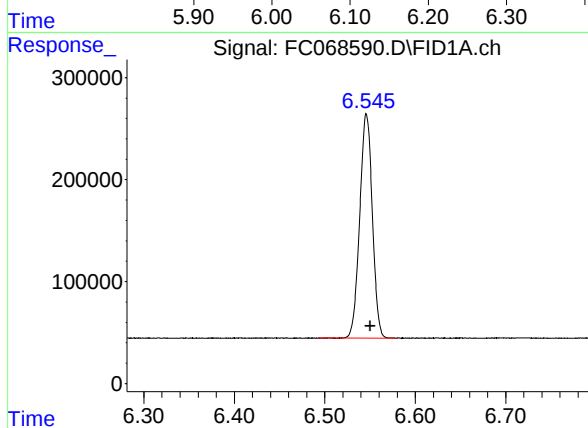
#2 n-Decane (C10)

R.T.: 4.520 min
Delta R.T.: -0.005 min
Response: 2181007
Conc: 20.70 ug/ml



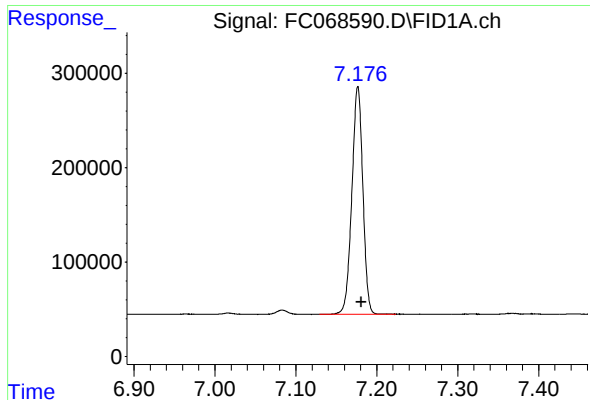
#3 A~Naphthalene (C11.7)

R.T.: 6.118 min
Delta R.T.: -0.005 min
Response: 2380203
Conc: 20.44 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.546 min
Delta R.T.: -0.004 min
Response: 2130785
Conc: 20.26 ug/ml



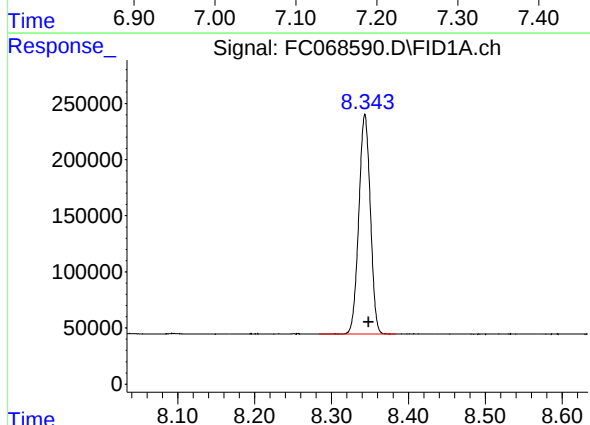
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.177 min
Delta R.T.: -0.004 min
Response: 2273395
Conc: 19.68 ug/ml

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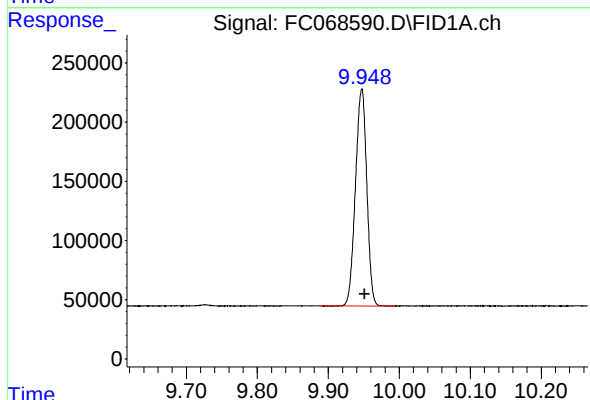
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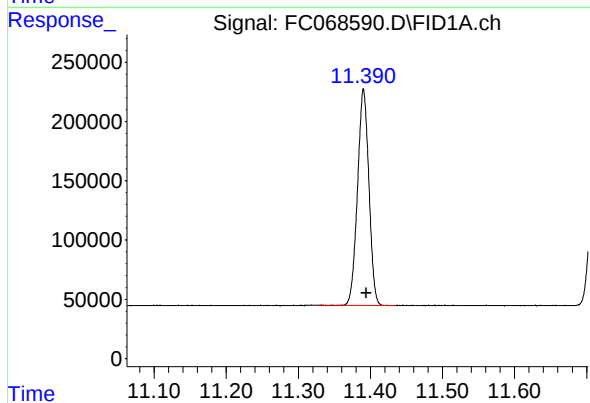
#6 n-Tetradecane (C14)

R.T.: 8.343 min
Delta R.T.: -0.005 min
Response: 2033597
Conc: 19.78 ug/ml



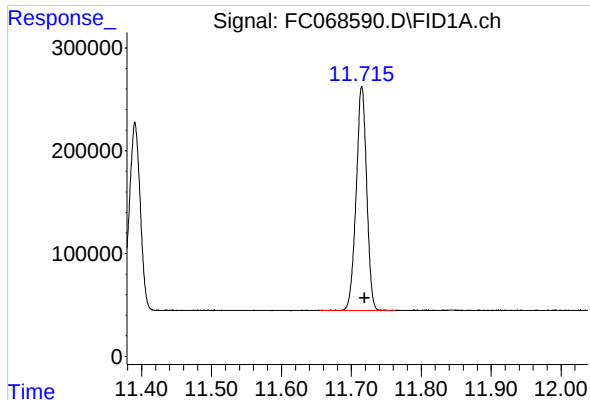
#7 n-Hexadecane (C16)

R.T.: 9.947 min
Delta R.T.: -0.004 min
Response: 2034487
Conc: 19.98 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.391 min
Delta R.T.: -0.004 min
Response: 2005744
Conc: 19.93 ug/ml



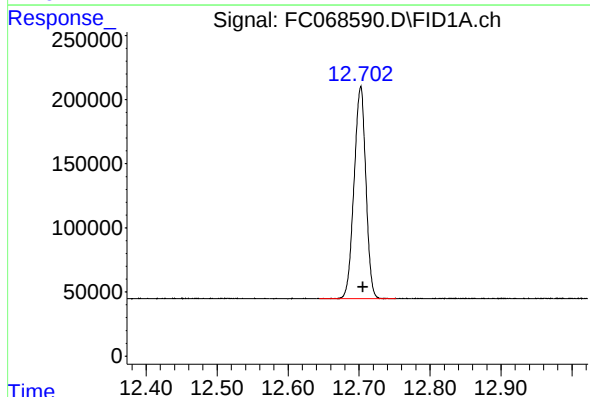
#9 ortho-Terphenyl (SURR)

R.T.: 11.715 min
Delta R.T.: -0.004 min
Response: 2276174
Conc: 17.88 ug/ml

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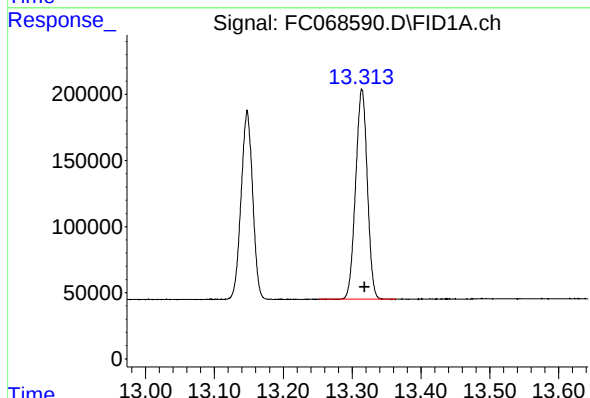
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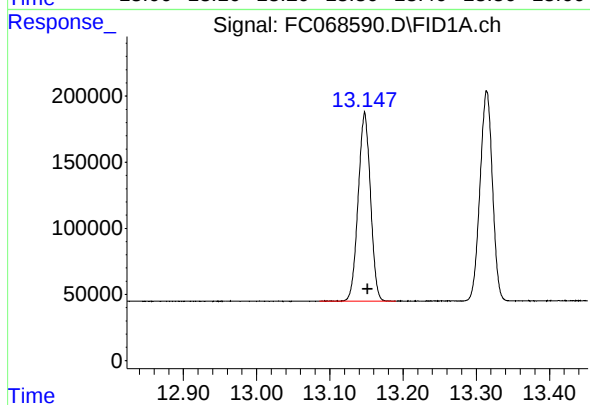
#10 n-Eicosane (C20)

R.T.: 12.702 min
Delta R.T.: -0.004 min
Response: 1908727
Conc: 19.41 ug/ml



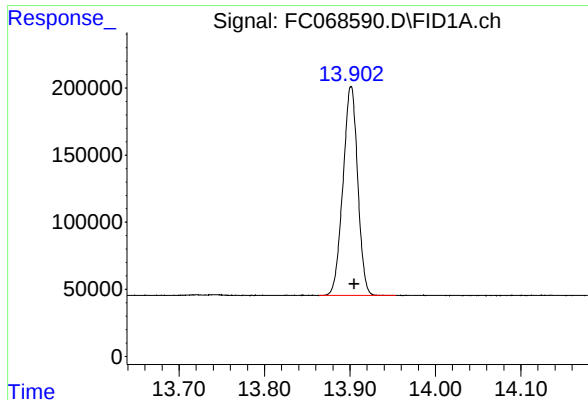
#11 n-Heneicosane (C21)

R.T.: 13.314 min
Delta R.T.: -0.004 min
Response: 1874335
Conc: 19.23 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.148 min
Delta R.T.: -0.004 min
Response: 1661151
Conc: 17.88 ug/ml



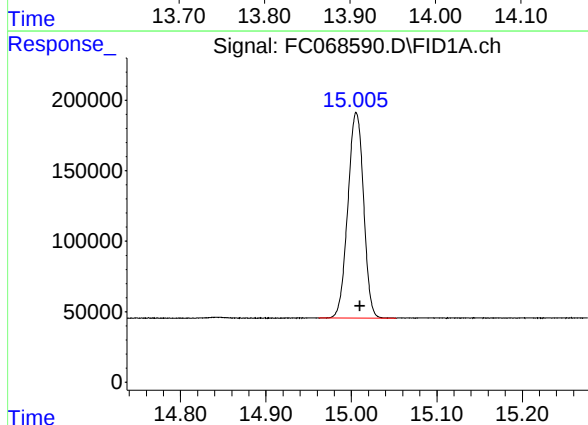
#13 n-Docosane (C22)

R.T.: 13.901 min
Delta R.T.: -0.004 min
Response: 1866611
Conc: 19.32 ug/ml

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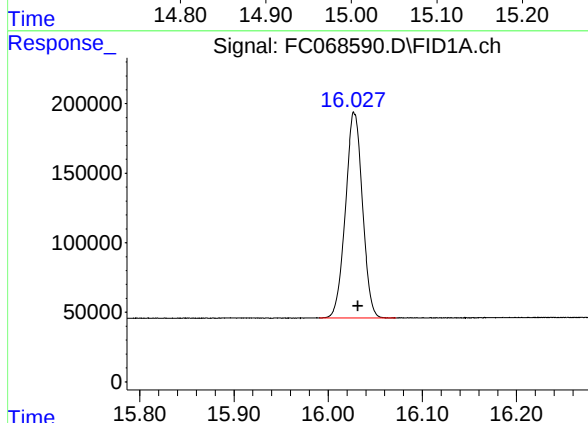
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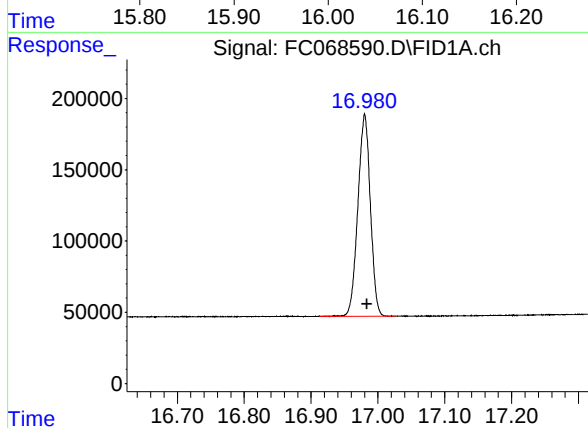
#14 n-Tetracosane (C24)

R.T.: 15.006 min
Delta R.T.: -0.004 min
Response: 1866067
Conc: 19.60 ug/ml



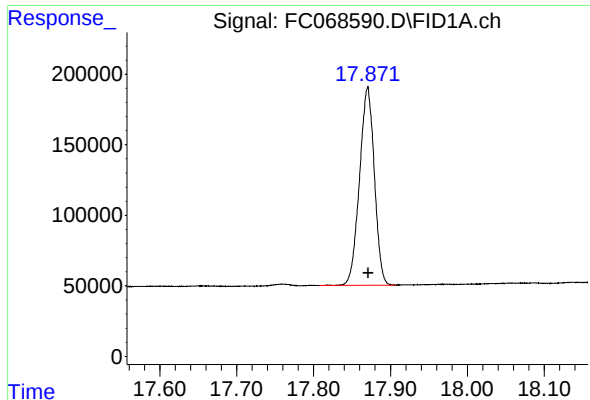
#15 n-Hexacosane (C26)

R.T.: 16.028 min
Delta R.T.: -0.004 min
Response: 1852037
Conc: 19.83 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.980 min
Delta R.T.: -0.003 min
Response: 1839271
Conc: 20.09 ug/ml



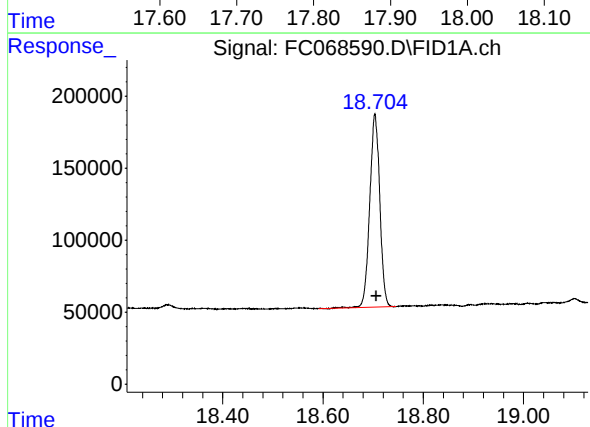
#17 n-Tricontane (C30)

R.T.: 17.870 min
Delta R.T.: -0.001 min
Response: 1882961
Conc: 20.48 ug/ml

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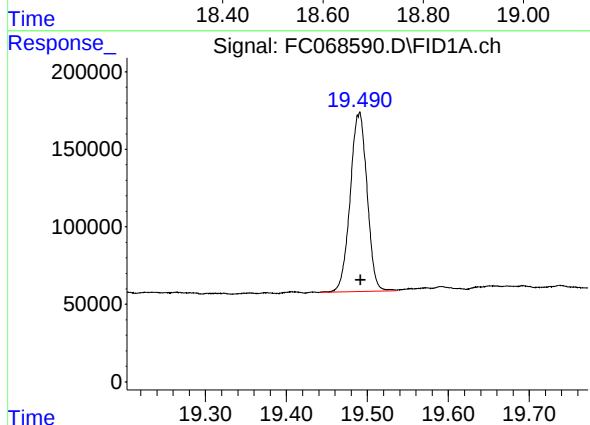
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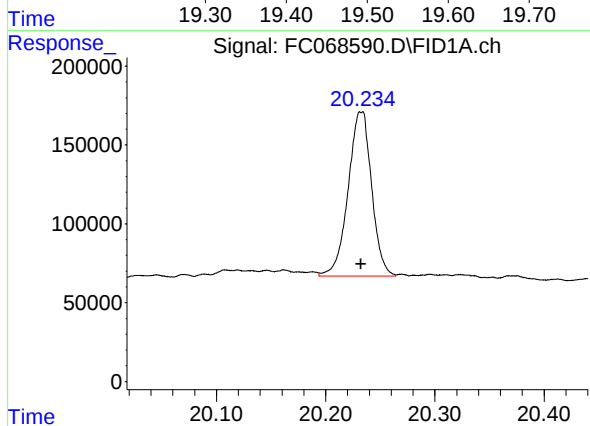
#18 n-Dotriacontane (C32)

R.T.: 18.704 min
Delta R.T.: -0.003 min
Response: 1863710
Conc: 20.32 ug/ml



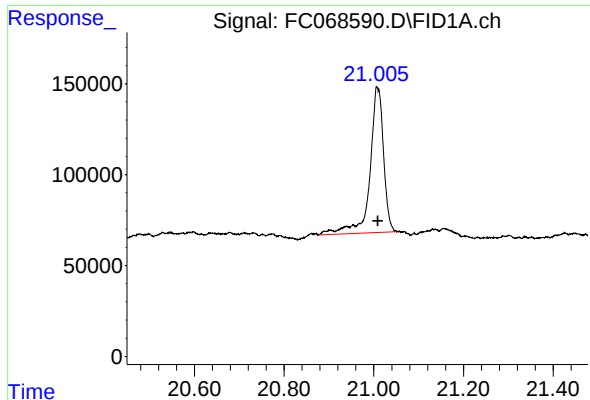
#19 n-Tetratriacontane (C34)

R.T.: 19.490 min
Delta R.T.: -0.002 min
Response: 1677022
Conc: 18.77 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.234 min
Delta R.T.: 0.002 min
Response: 1555534
Conc: 17.36 ug/ml m



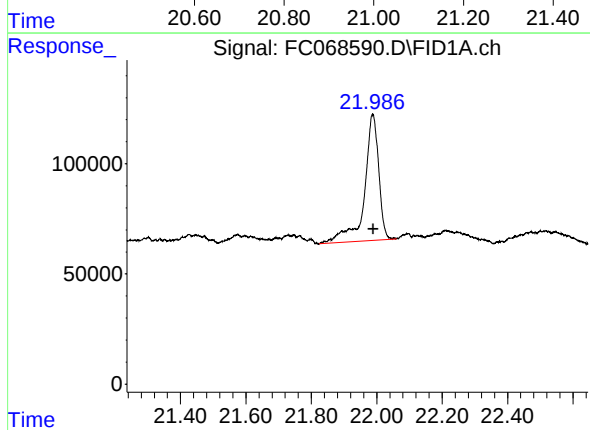
#21 n-Octatriacontane (C38)

R.T.: 21.005 min
Delta R.T.: -0.004 min
Response: 1694969
Conc: 19.17 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.988 min
Delta R.T.: -0.001 min
Response: 1747863
Conc: 19.79 ug/ml