

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020625AL\
 Data File : FC068207.D
 Signal(s) : FID1A.ch
 Acq On : 06 Feb 2025 10:59
 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 02/07/2025
 Supervised By :Ankita Jodhani 02/07/2025

Integration File: autoint1.e
 Quant Time: Feb 07 00:31:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 04:31:18 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)	11.407	3205804	20.515 ug/ml
Spiked Amount 50.000		Recovery =	41.03%
12) S 1-chlorooctadecane (S...	12.848	2371062	20.617 ug/ml
Spiked Amount 50.000		Recovery =	41.23%
Target Compounds			
1) T n-Nonane (C9)	3.211	2987289	21.816 ug/ml
2) T n-Decane (C10)	4.269	3031657	21.837 ug/ml
3) T A~Naphthalene (C11.7)	5.837	3301536	21.992 ug/ml
4) T n-Dodecane (C12)	6.278	3004119	21.504 ug/ml
5) T A~2-methylnaphthalene...	6.890	3126870	21.770 ug/ml
6) T n-Tetradecane (C14)	8.067	2893885	21.204 ug/ml
7) T n-Hexadecane (C16)	9.663	2921199	21.024 ug/ml
8) T n-Octadecane (C18)	11.101	2905600	20.767 ug/ml
10) T n-Eicosane (C20)	12.407	2755081	20.591 ug/ml
11) T n-Heneicosane (C21)	13.017	2694738	20.517 ug/ml
13) T n-Docosane (C22)	13.601	2673023	20.636 ug/mlm
14) T n-Tetracosane (C24)	14.703	2641851	20.577 ug/ml
15) T n-Hexacosane (C26)	15.721	2586579	20.555 ug/ml
16) T n-Octacosane (C28)	16.670	2542350	20.327 ug/ml
17) T n-Tricontane (C30)	17.556	2579493	19.957 ug/ml
18) T n-Dotriacontane (C32)	18.389	2484481	19.874 ug/ml
19) T n-Tetratriacontane (C34)	19.170	2198389	20.266 ug/ml
20) T n-Hexatriacontane (C36)	19.908	1920600	20.754 ug/ml
21) T n-Octatriacontane (C38)	20.620	1833038	21.392 ug/ml
22) T n-Tetracontane (C40)	21.475	1815426	22.452 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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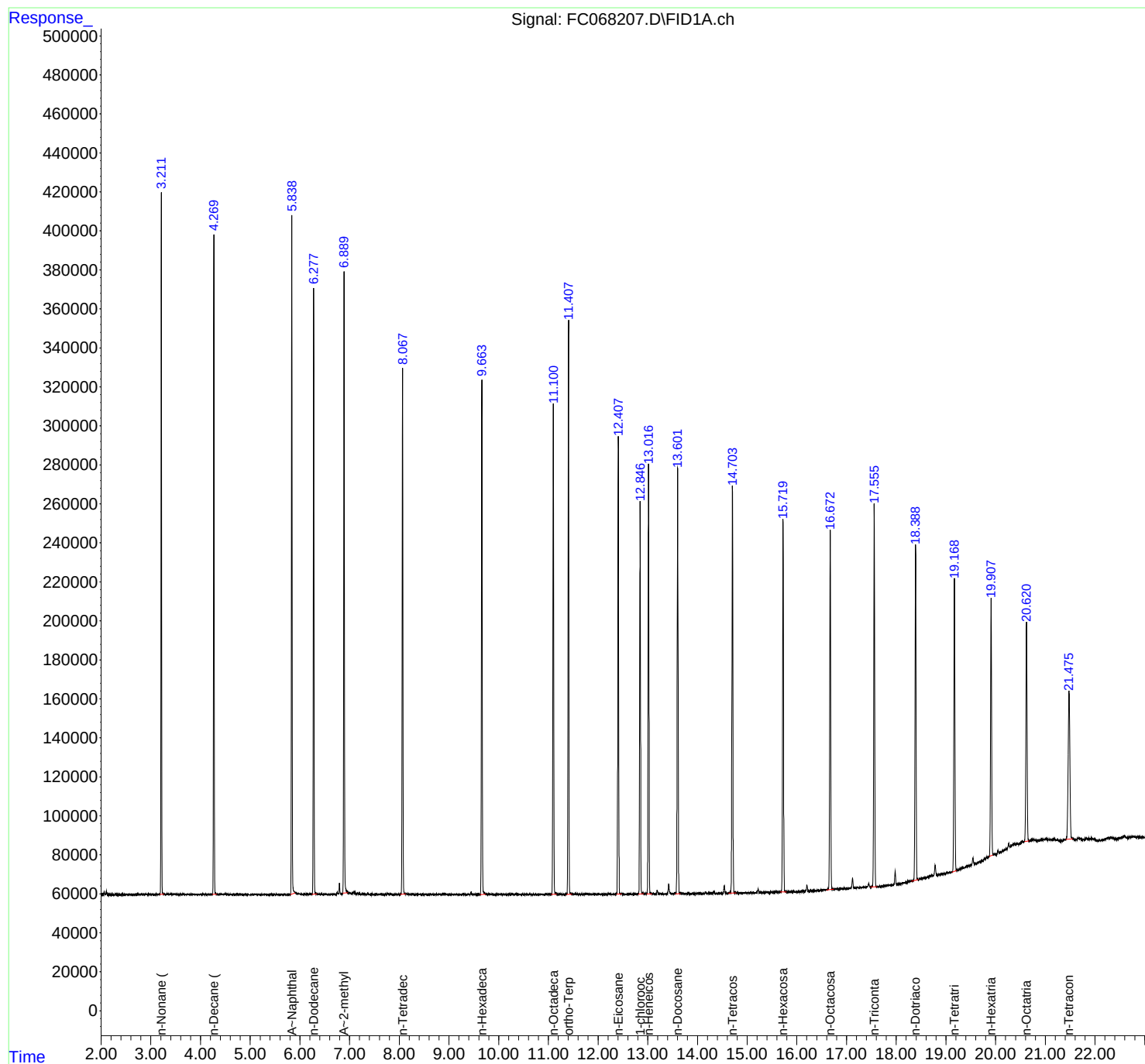
Instrument :
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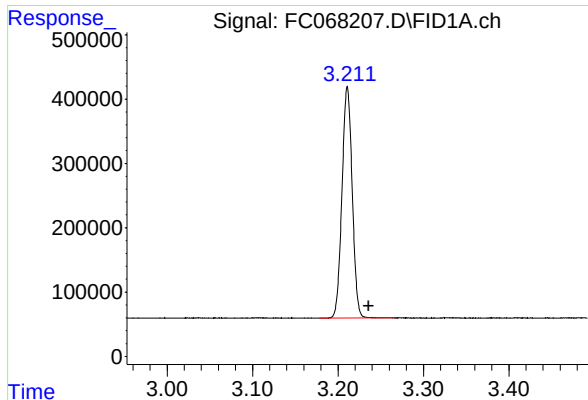
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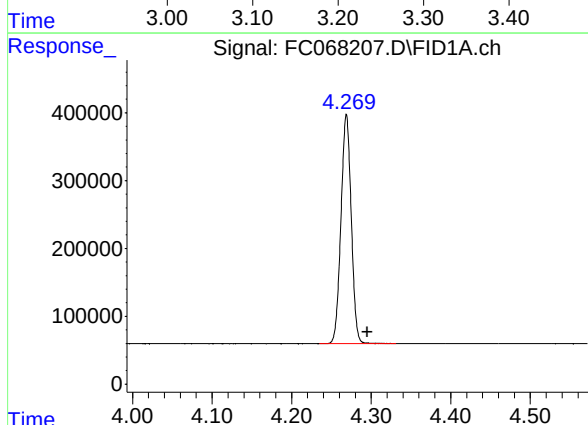
#1 n-Nonane (C9)

R.T.: 3.211 min
Delta R.T.: -0.025 min
Response: 2987289
Conc: 21.82 ug/ml

Instrument :
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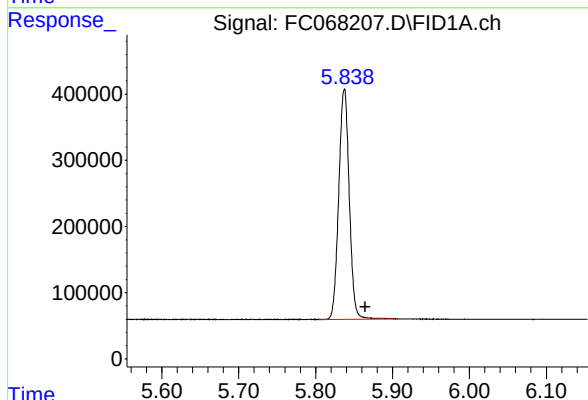
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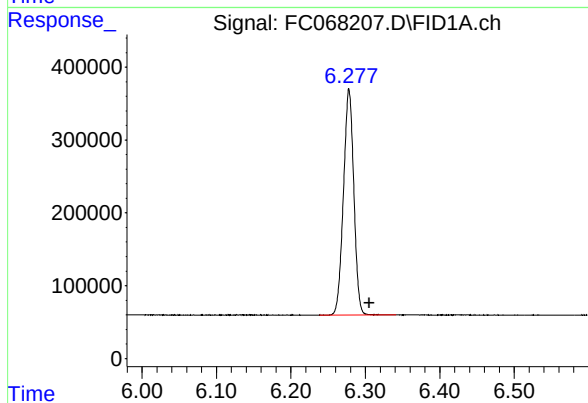
#2 n-Decane (C10)

R.T.: 4.269 min
Delta R.T.: -0.027 min
Response: 3031657
Conc: 21.84 ug/ml



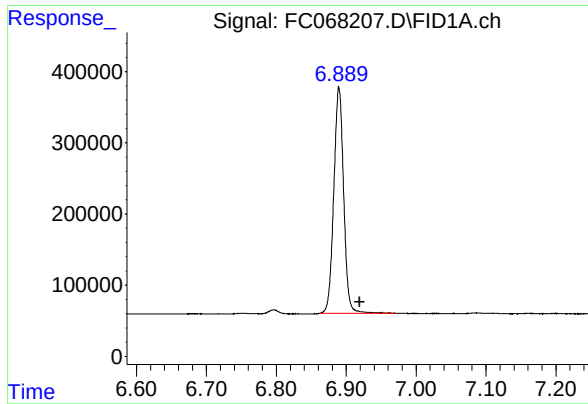
#3 A~Naphthalene (C11.7)

R.T.: 5.837 min
Delta R.T.: -0.028 min
Response: 3301536
Conc: 21.99 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.278 min
Delta R.T.: -0.027 min
Response: 3004119
Conc: 21.50 ug/ml



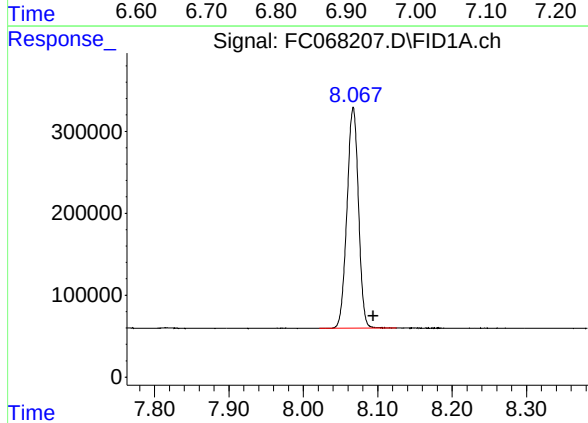
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.890 min
Delta R.T.: -0.030 min
Response: 3126870
Conc: 21.77 ug/ml

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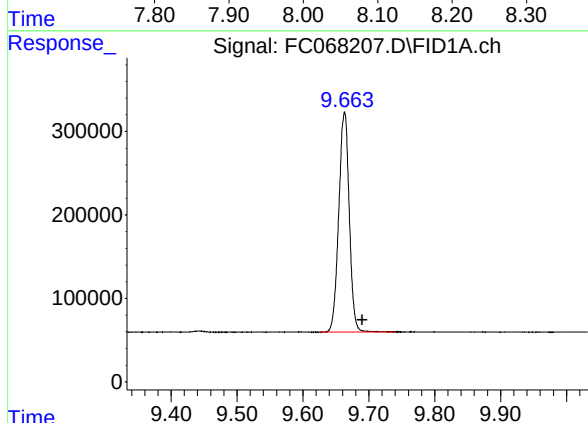
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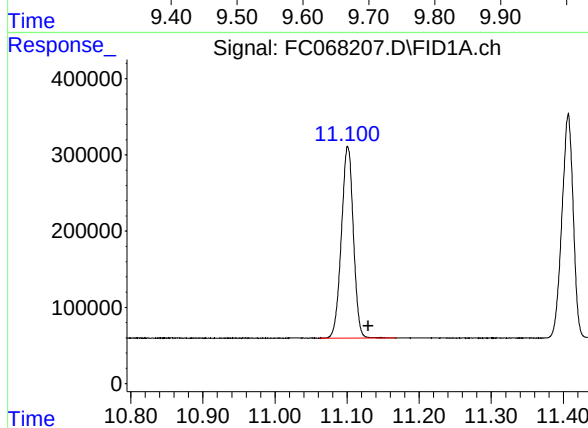
#6 n-Tetradecane (C14)

R.T.: 8.067 min
Delta R.T.: -0.027 min
Response: 2893885
Conc: 21.20 ug/ml



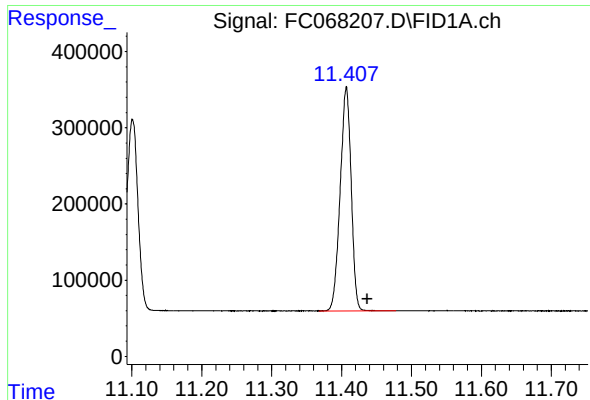
#7 n-Hexadecane (C16)

R.T.: 9.663 min
Delta R.T.: -0.027 min
Response: 2921199
Conc: 21.02 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.101 min
Delta R.T.: -0.029 min
Response: 2905600
Conc: 20.77 ug/ml



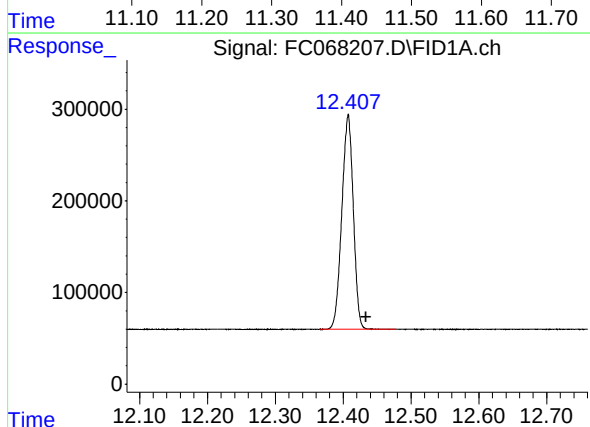
#9 ortho-Terphenyl (SURR)

R.T.: 11.407 min
Delta R.T.: -0.030 min
Response: 3205804
Conc: 20.51 ug/ml

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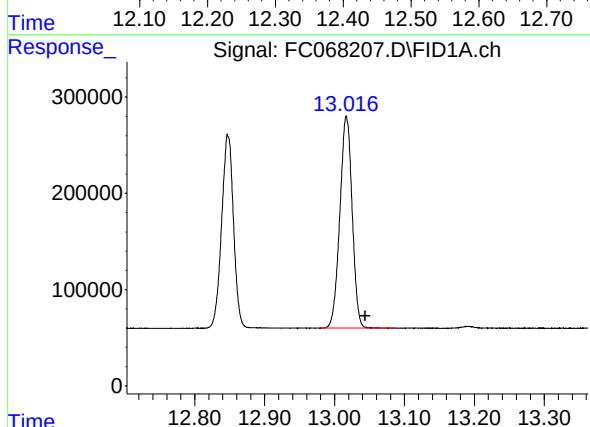
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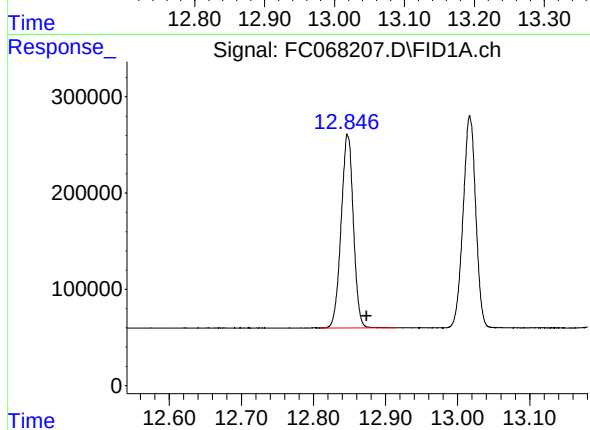
#10 n-Eicosane (C20)

R.T.: 12.407 min
Delta R.T.: -0.026 min
Response: 2755081
Conc: 20.59 ug/ml



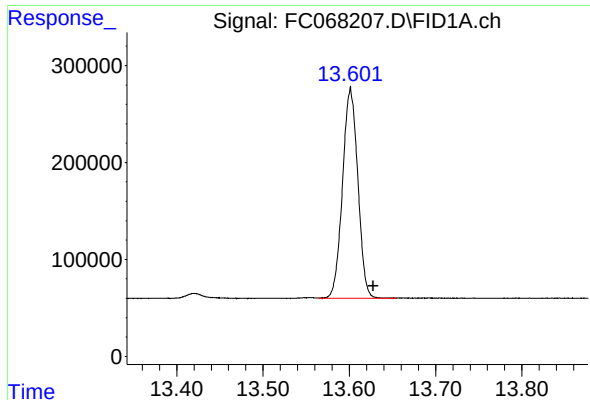
#11 n-Heneicosane (C21)

R.T.: 13.017 min
Delta R.T.: -0.027 min
Response: 2694738
Conc: 20.52 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.848 min
Delta R.T.: -0.026 min
Response: 2371062
Conc: 20.62 ug/ml



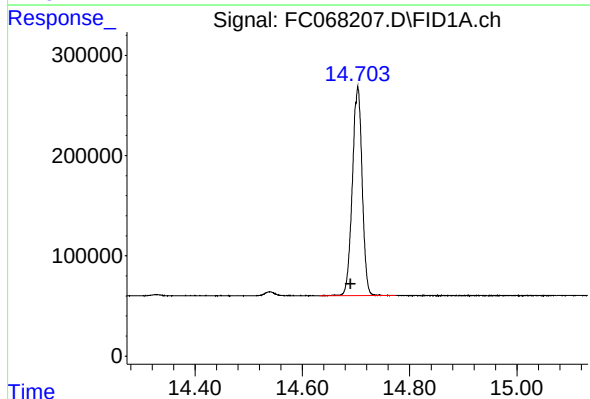
#13 n-Docosane (C22)

R.T.: 13.601 min
Delta R.T.: -0.027 min
Response: 2673023
Conc: 20.64 ug/ml

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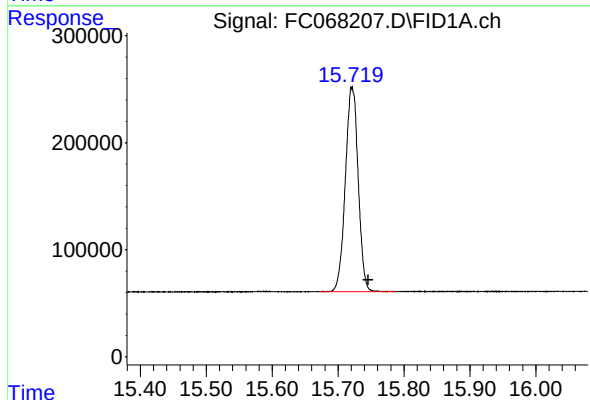
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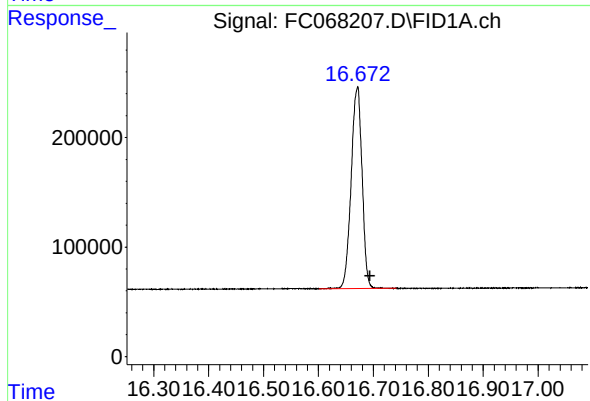
#14 n-Tetracosane (C24)

R.T.: 14.703 min
Delta R.T.: 0.013 min
Response: 2641851
Conc: 20.58 ug/ml



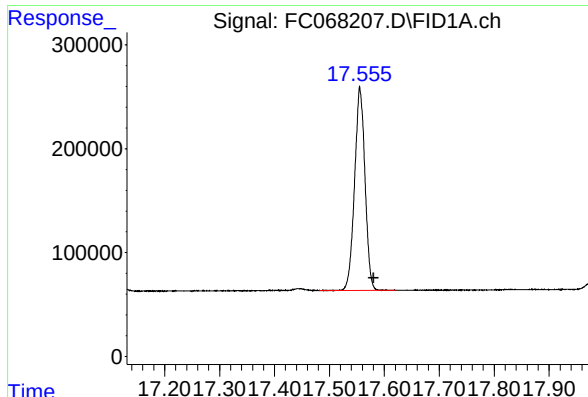
#15 n-Hexacosane (C26)

R.T.: 15.721 min
Delta R.T.: -0.025 min
Response: 2586579
Conc: 20.56 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.670 min
Delta R.T.: -0.023 min
Response: 2542350
Conc: 20.33 ug/ml



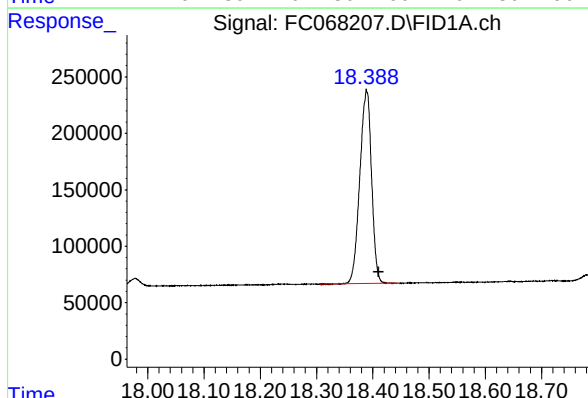
#17 n-Tricontane (C30)

R.T.: 17.556 min
Delta R.T.: -0.025 min
Response: 2579493
Conc: 19.96 ug/ml

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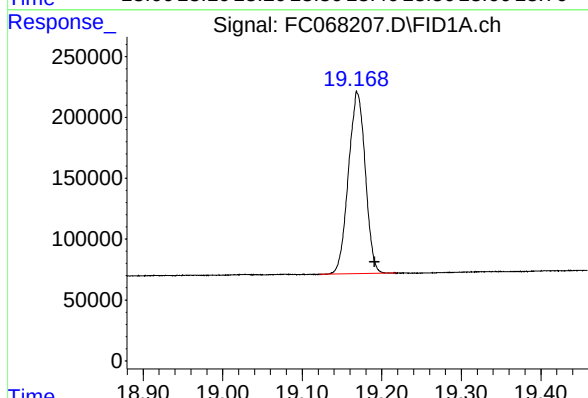
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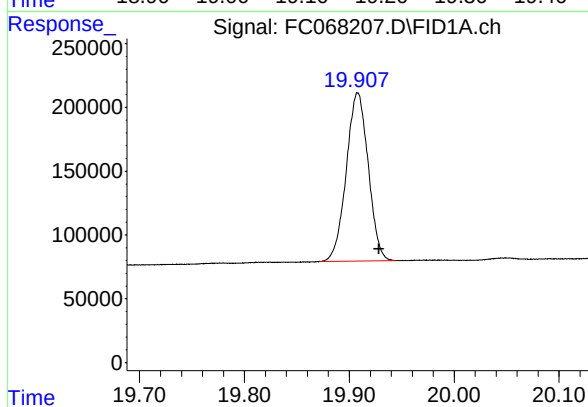
#18 n-Dotriacontane (C32)

R.T.: 18.389 min
Delta R.T.: -0.022 min
Response: 2484481
Conc: 19.87 ug/ml



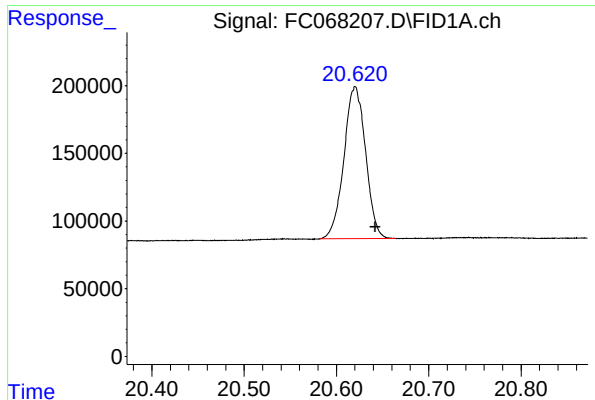
#19 n-Tetratriacontane (C34)

R.T.: 19.170 min
Delta R.T.: -0.022 min
Response: 2198389
Conc: 20.27 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.908 min
Delta R.T.: -0.020 min
Response: 1920600
Conc: 20.75 ug/ml



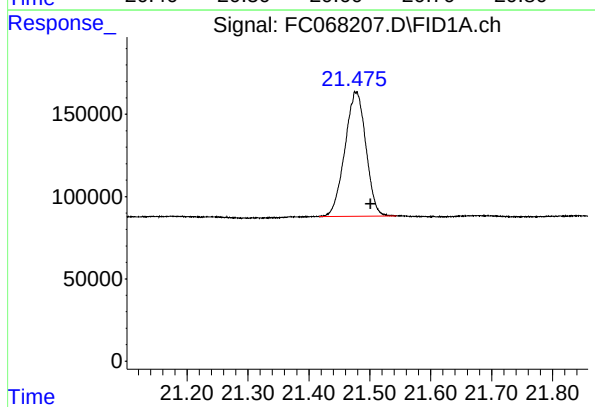
#21 n-Octatriacontane (C38)

R.T.: 20.620 min
Delta R.T.: -0.022 min
Response: 1833038
Conc: 21.39 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.475 min
Delta R.T.: -0.026 min
Response: 1815426
Conc: 22.45 ug/ml m