

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
 Data File : FC069150.D
 Signal(s) : FID1A.ch
 Acq On : 10 Jun 2025 04:55
 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 06/10/2025
 Supervised By :mohammad ahmed 06/11/2025

Integration File: autoint1.e
 Quant Time: Jun 10 05:28:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 01:48:55 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)	11.678	2448512	19.851 ug/ml
Spiked Amount 50.000		Recovery =	39.70%
12) S 1-chlorooctadecane (S...	13.115	1703075	18.983 ug/ml
Spiked Amount 50.000		Recovery =	37.97%
Target Compounds			
1) T n-Nonane (C9)	3.403	2130951	20.080 ug/ml
2) T n-Decane (C10)	4.479	2143059	20.235 ug/ml
3) T A~Naphthalene (C11.7)	6.075	2360566	20.414 ug/ml
4) T n-Dodecane (C12)	6.506	2086930	19.852 ug/ml
5) T A~2-methylnaphthalene...	7.135	2298909	20.278 ug/ml
6) T n-Tetradecane (C14)	8.306	1992066	19.434 ug/ml
7) T n-Hexadecane (C16)	9.912	1931376	19.034 ug/ml
8) T n-Octadecane (C18)	11.356	1865386	18.664 ug/ml
10) T n-Eicosane (C20)	12.669	1823104	18.718 ug/ml
11) T n-Heneicosane (C21)	13.282	1804480	18.747 ug/ml
13) T n-Docosane (C22)	13.869	1809629	18.995 ug/ml
14) T n-Tetracosane (C24)	14.974	1828145	19.417 ug/ml
15) T n-Hexacosane (C26)	15.999	1837944	19.797 ug/ml
16) T n-Octacosane (C28)	16.951	1928269	20.745 ug/ml
17) T n-Tricontane (C30)	17.840	2133509	22.050 ug/ml
18) T n-Dotriacontane (C32)	18.675	2231410	22.517 ug/ml
19) T n-Tetratriacontane (C34)	19.462	2105488	21.846 ug/ml
20) T n-Hexatriacontane (C36)	20.202	1978492	20.842 ug/ml
21) T n-Octatriacontane (C38)	20.973	1775169	19.457 ug/ml
22) T n-Tetracontane (C40)	21.942	1553442	17.606 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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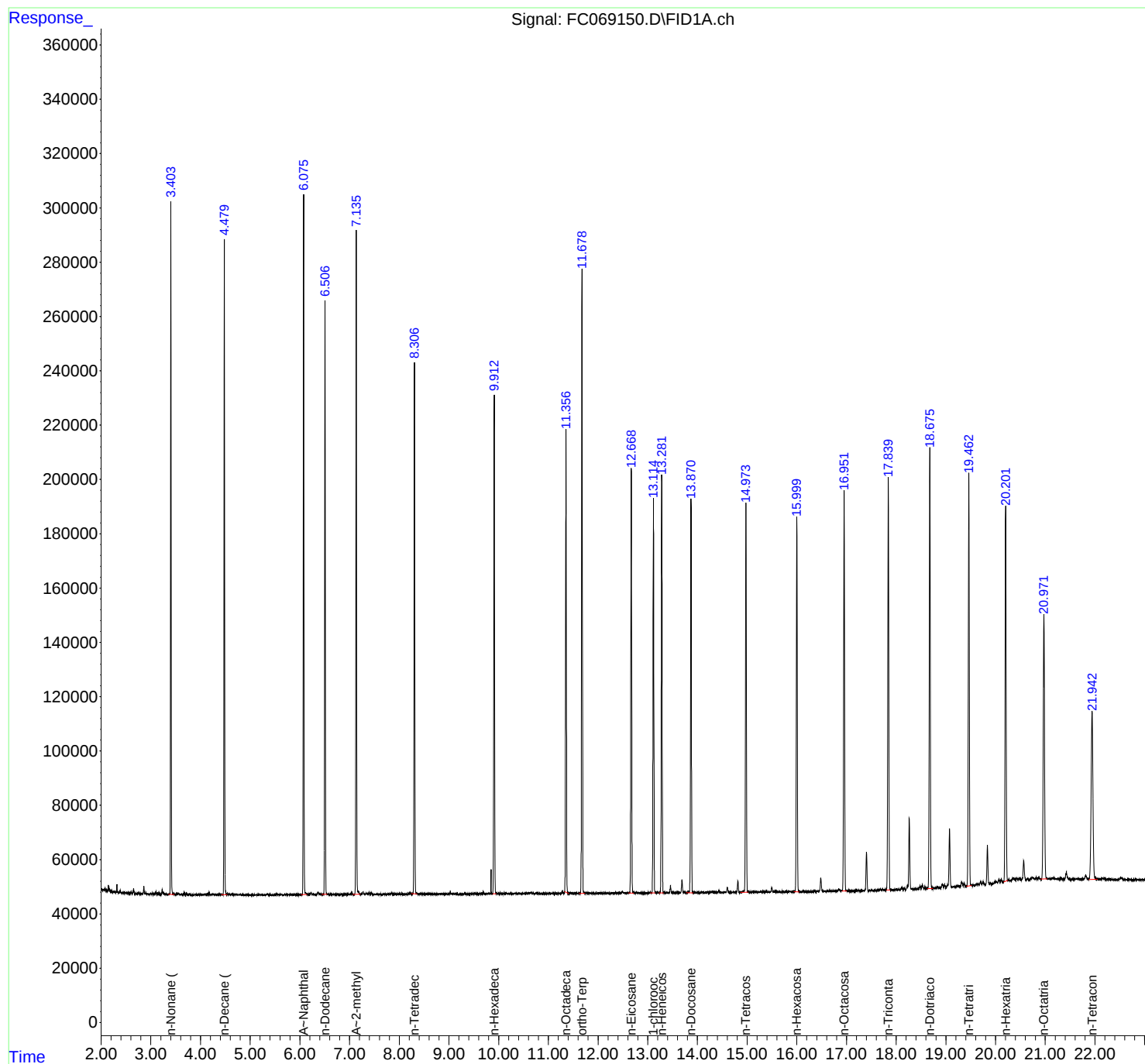
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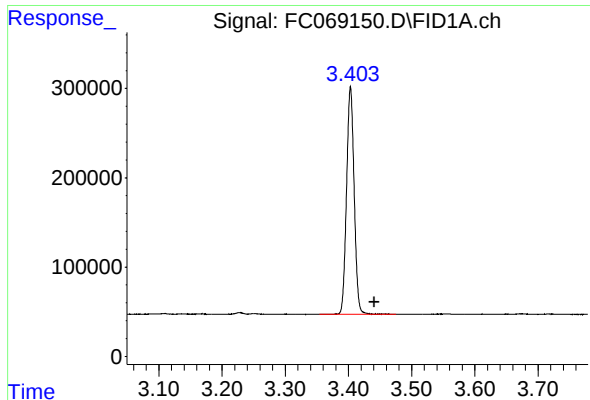
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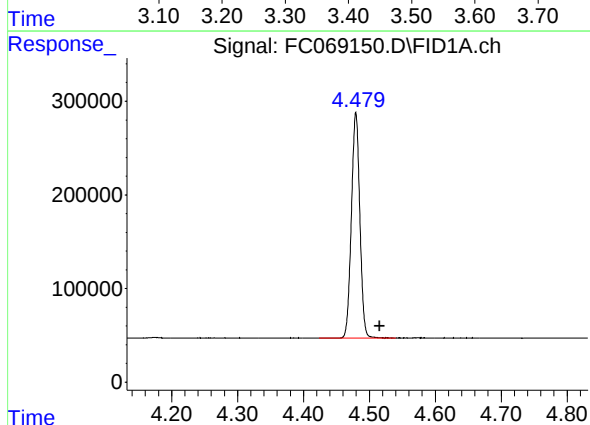
#1 n-Nonane (C9)

R.T.: 3.403 min
Delta R.T.: -0.038 min
Response: 2130951
Conc: 20.08 ug/ml

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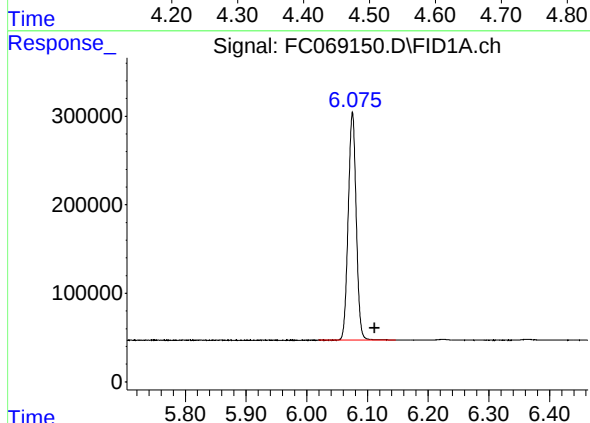
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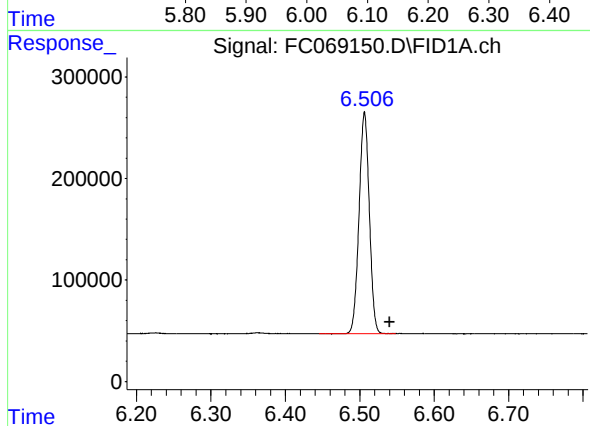
#2 n-Decane (C10)

R.T.: 4.479 min
Delta R.T.: -0.036 min
Response: 2143059
Conc: 20.24 ug/ml



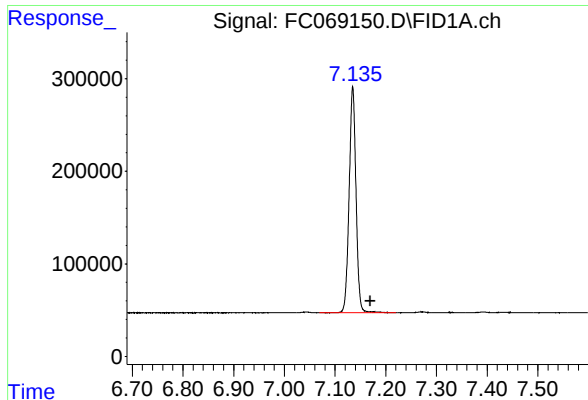
#3 A~Naphthalene (C11.7)

R.T.: 6.075 min
Delta R.T.: -0.037 min
Response: 2360566
Conc: 20.41 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.506 min
Delta R.T.: -0.033 min
Response: 2086930
Conc: 19.85 ug/ml



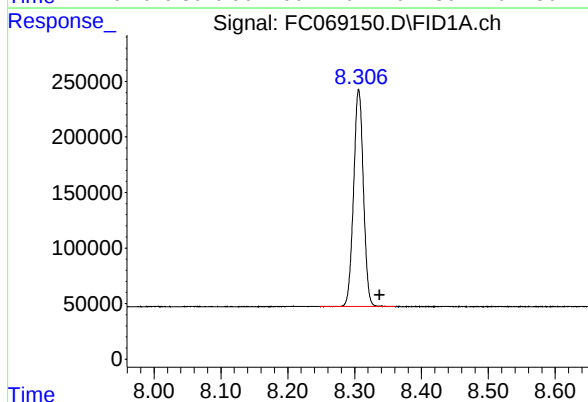
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.135 min
Delta R.T.: -0.035 min
Response: 2298909
Conc: 20.28 ug/ml

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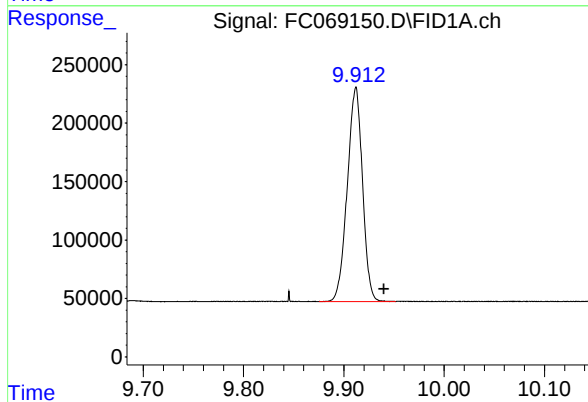
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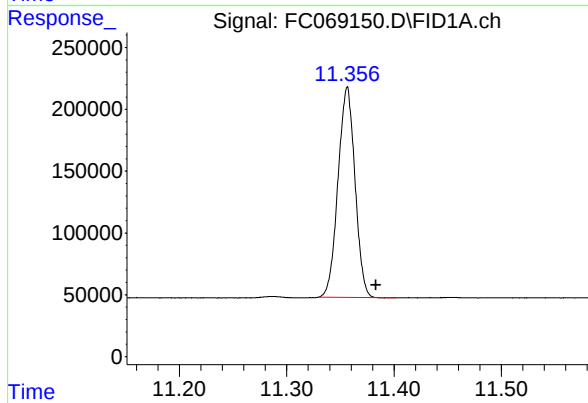
#6 n-Tetradecane (C14)

R.T.: 8.306 min
Delta R.T.: -0.031 min
Response: 1992066
Conc: 19.43 ug/ml



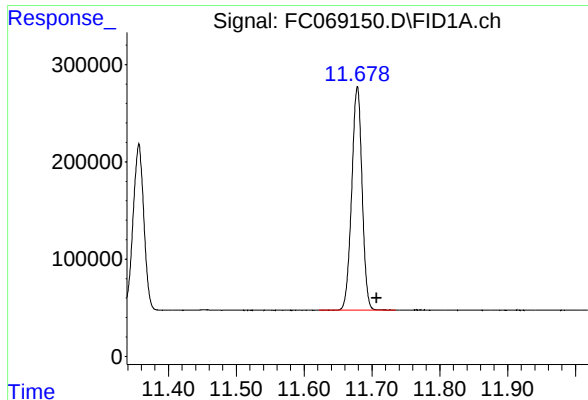
#7 n-Hexadecane (C16)

R.T.: 9.912 min
Delta R.T.: -0.028 min
Response: 1931376
Conc: 19.03 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.356 min
Delta R.T.: -0.027 min
Response: 1865386
Conc: 18.66 ug/ml



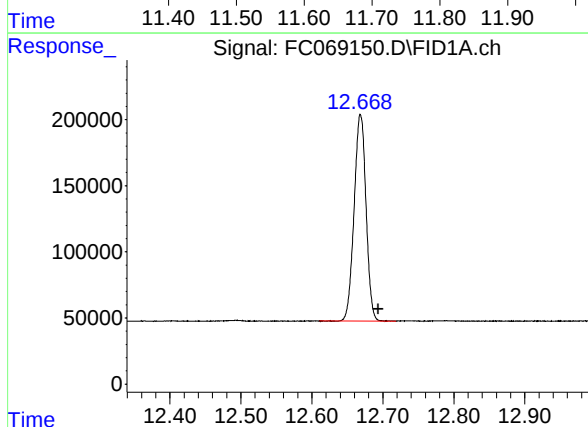
#9 ortho-Terphenyl (SURR)

R.T.: 11.678 min
Delta R.T.: -0.029 min
Response: 2448512
Conc: 19.85 ug/ml

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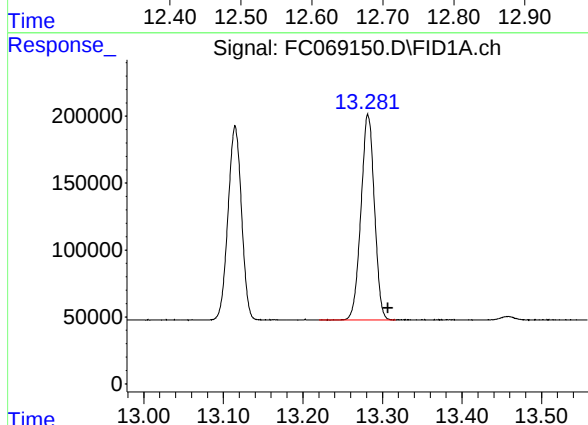
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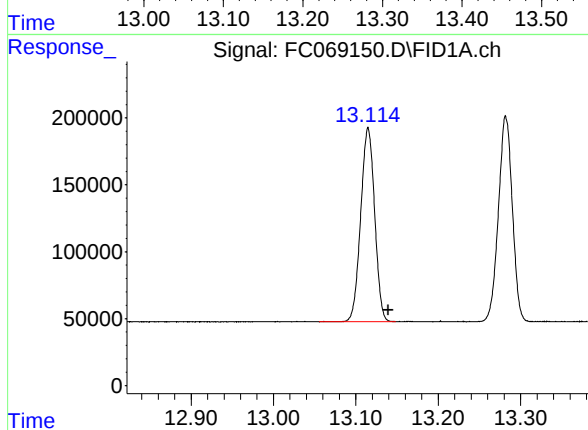
#10 n-Eicosane (C20)

R.T.: 12.669 min
Delta R.T.: -0.025 min
Response: 1823104
Conc: 18.72 ug/ml



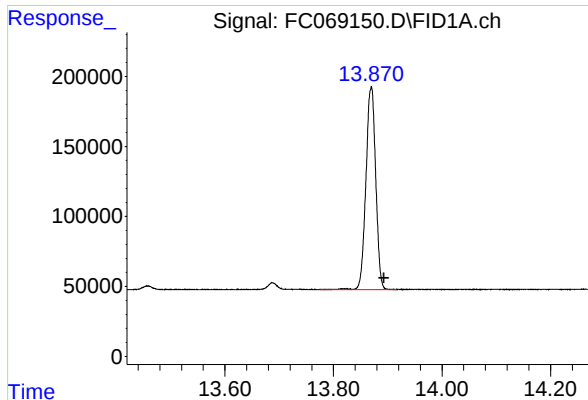
#11 n-Heneicosane (C21)

R.T.: 13.282 min
Delta R.T.: -0.025 min
Response: 1804480
Conc: 18.75 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.115 min
Delta R.T.: -0.024 min
Response: 1703075
Conc: 18.98 ug/ml



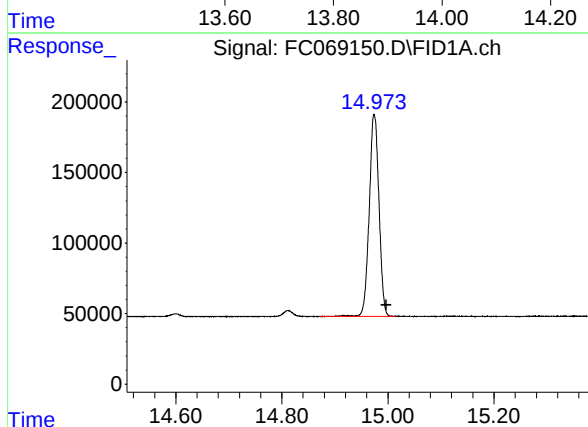
#13 n-Docosane (C22)

R.T.: 13.869 min
Delta R.T.: -0.024 min
Response: 1809629
Conc: 18.99 ug/ml

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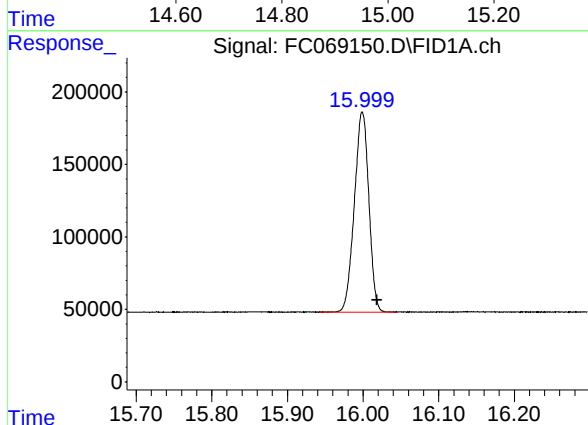
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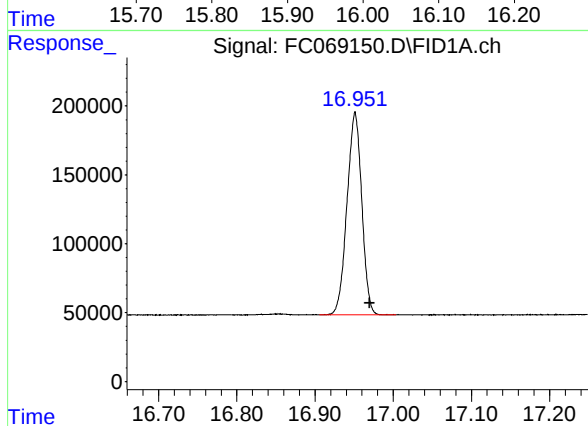
#14 n-Tetracosane (C24)

R.T.: 14.974 min
Delta R.T.: -0.023 min
Response: 1828145
Conc: 19.42 ug/ml



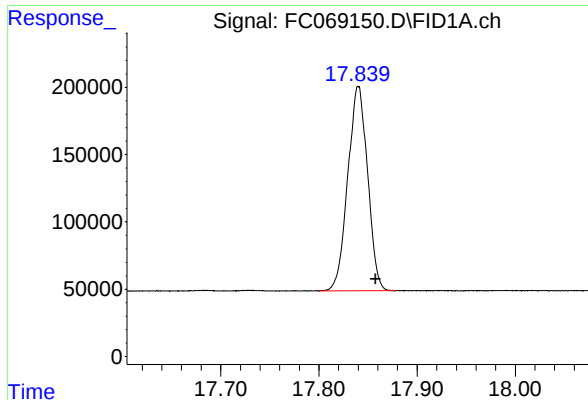
#15 n-Hexacosane (C26)

R.T.: 15.999 min
Delta R.T.: -0.020 min
Response: 1837944
Conc: 19.80 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.951 min
Delta R.T.: -0.019 min
Response: 1928269
Conc: 20.74 ug/ml



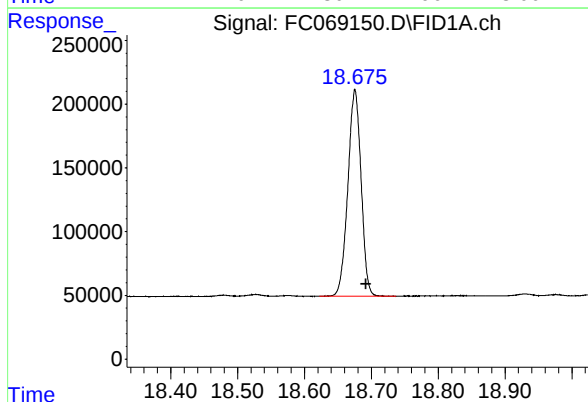
#17 n-Tricontane (C30)

R.T.: 17.840 min
Delta R.T.: -0.018 min
Response: 2133509
Conc: 22.05 ug/ml

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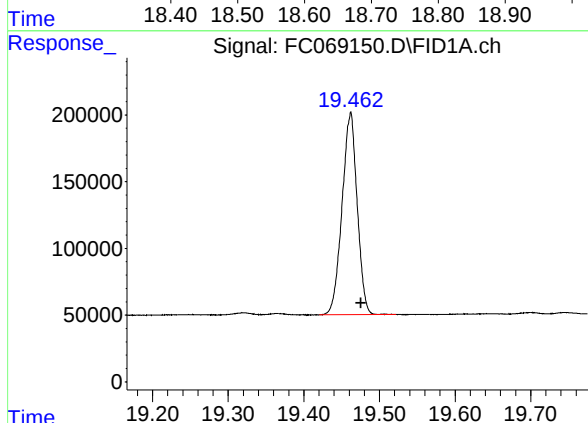
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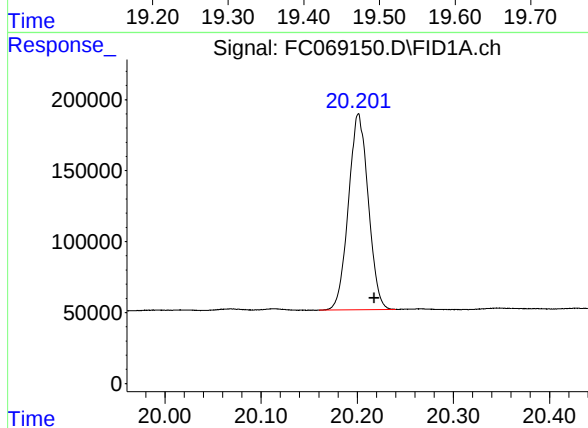
#18 n-Dotriacontane (C32)

R.T.: 18.675 min
Delta R.T.: -0.017 min
Response: 2231410
Conc: 22.52 ug/ml



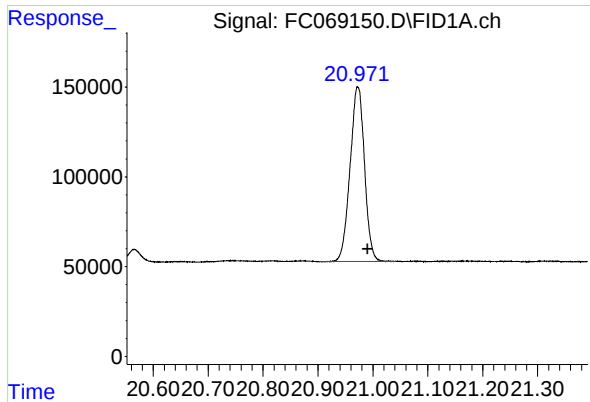
#19 n-Tetratriacontane (C34)

R.T.: 19.462 min
Delta R.T.: -0.014 min
Response: 2105488
Conc: 21.85 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.202 min
Delta R.T.: -0.016 min
Response: 1978492
Conc: 20.84 ug/ml



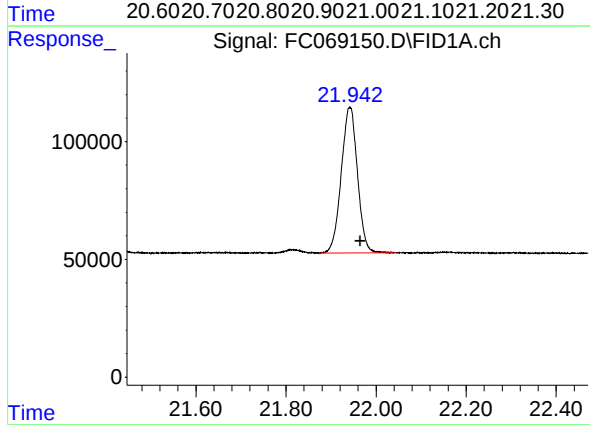
#21 n-Octatriacontane (C38)

R.T.: 20.973 min
Delta R.T.: -0.018 min
Response: 1775169
Conc: 19.46 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.942 min
Delta R.T.: -0.023 min
Response: 1553442
Conc: 17.61 ug/ml m