

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
 Data File : FC069168.D
 Signal(s) : FID1A.ch
 Acq On : 12 Jun 2025 00:09
 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 06/12/2025
 Supervised By :mohammad ahmed 06/13/2025

Integration File: autoint1.e
 Quant Time: Jun 12 06:07:24 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)	11.677	2305016	18.688 ug/ml
Spiked Amount 50.000		Recovery =	37.38%
12) S 1-chlorooctadecane (S...	13.113	1607465	17.918 ug/ml
Spiked Amount 50.000		Recovery =	35.84%
Target Compounds			
1) T n-Nonane (C9)	3.404	2041253	19.235 ug/ml
2) T n-Decane (C10)	4.479	2061536	19.465 ug/ml
3) T A~Naphthalene (C11.7)	6.074	2221419	19.211 ug/ml
4) T n-Dodecane (C12)	6.506	2007762	19.099 ug/ml
5) T A~2-methylnaphthalene...	7.134	2152771	18.989 ug/ml
6) T n-Tetradecane (C14)	8.305	1924194	18.772 ug/ml
7) T n-Hexadecane (C16)	9.910	1874143	18.470 ug/ml
8) T n-Octadecane (C18)	11.355	1807613	18.086 ug/ml
10) T n-Eicosane (C20)	12.667	1767539	18.148 ug/ml
11) T n-Heneicosane (C21)	13.280	1733959	18.015 ug/ml
13) T n-Docosane (C22)	13.867	1743757	18.304 ug/ml
14) T n-Tetracosane (C24)	14.972	1781701	18.923 ug/mlm
15) T n-Hexacosane (C26)	15.995	1806943	19.463 ug/ml
16) T n-Octacosane (C28)	16.947	1882247	20.250 ug/mlm
17) T n-Tricontane (C30)	17.837	2007669	20.749 ug/ml
18) T n-Dotriacontane (C32)	18.671	2078032	20.969 ug/ml
19) T n-Tetratriacontane (C34)	19.457	1933658	20.063 ug/ml
20) T n-Hexatriacontane (C36)	20.198	1808046	19.046 ug/ml
21) T n-Octatriacontane (C38)	20.967	1635612	17.928 ug/ml
22) T n-Tetracontane (C40)	21.933	1522438	17.254 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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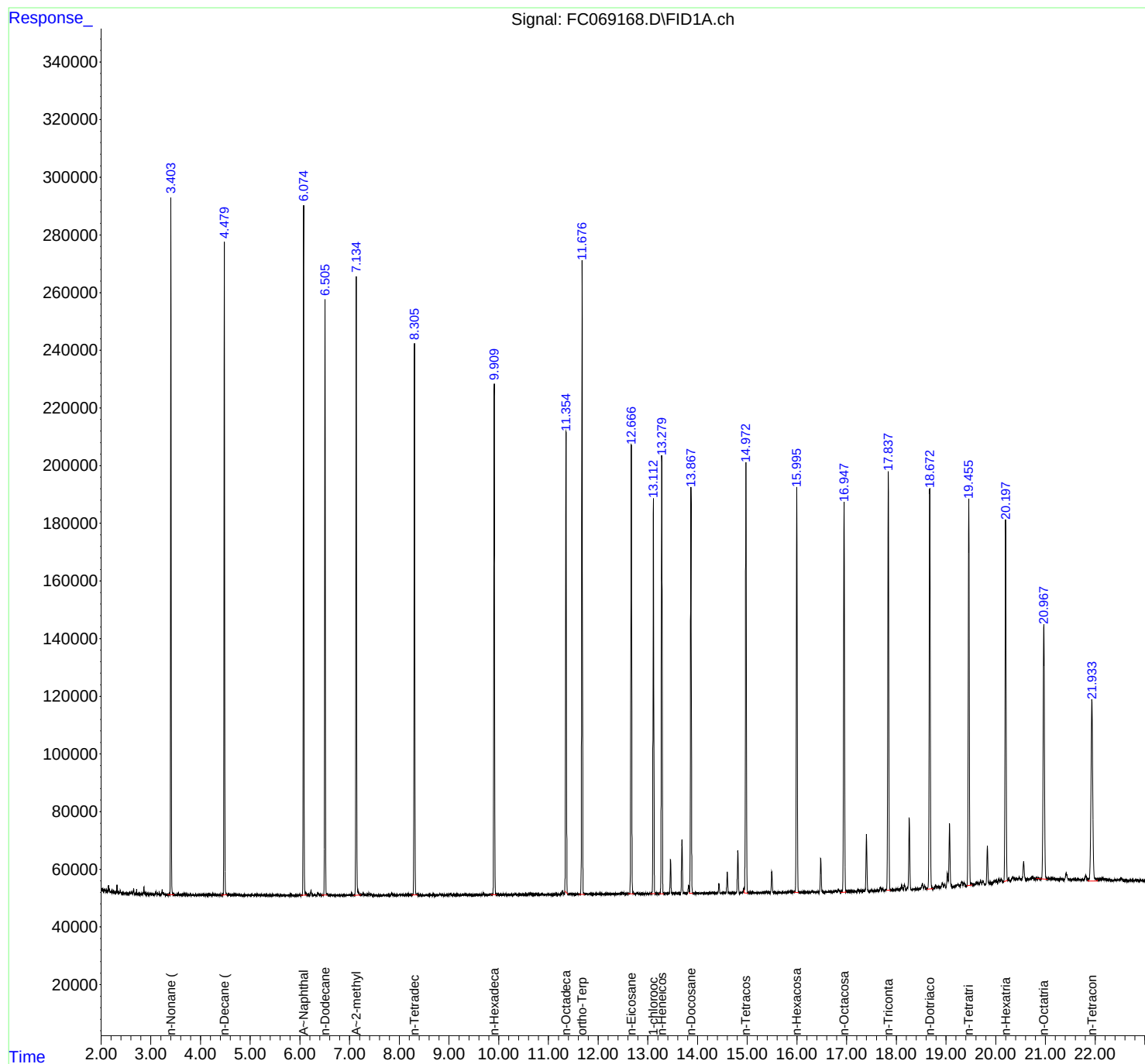
Instrument :
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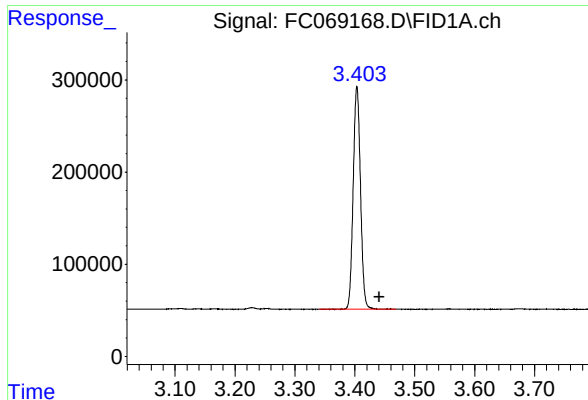
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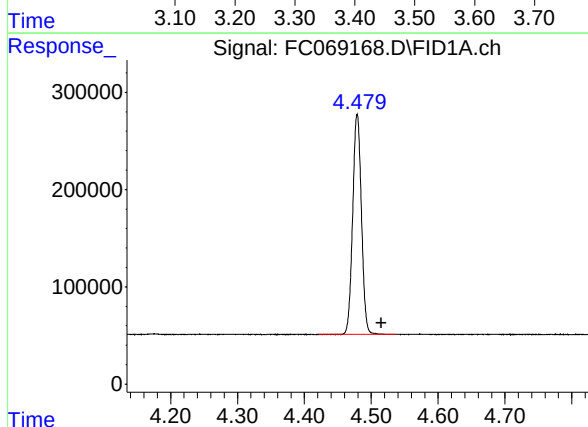
#1 n-Nonane (C9)

R.T.: 3.404 min
Delta R.T.: -0.037 min
Response: 2041253
Conc: 19.23 ug/ml

Instrument :
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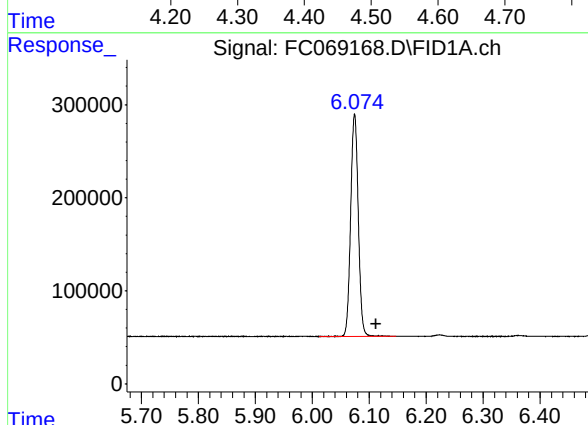
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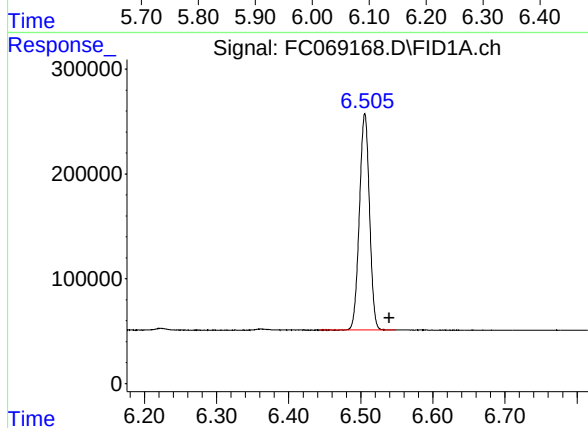
#2 n-Decane (C10)

R.T.: 4.479 min
Delta R.T.: -0.036 min
Response: 2061536
Conc: 19.47 ug/ml



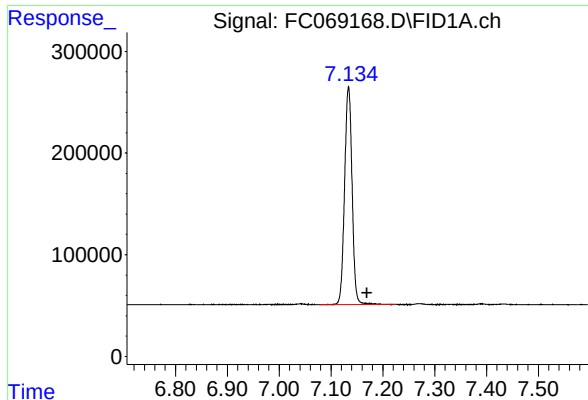
#3 A~Naphthalene (C11.7)

R.T.: 6.074 min
Delta R.T.: -0.037 min
Response: 2221419
Conc: 19.21 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.506 min
Delta R.T.: -0.034 min
Response: 2007762
Conc: 19.10 ug/ml



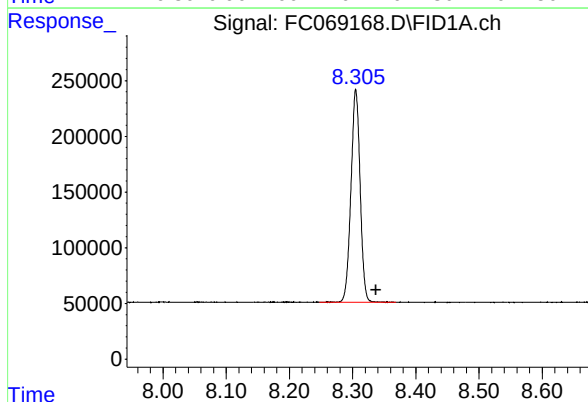
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.134 min
Delta R.T.: -0.036 min
Response: 2152771
Conc: 18.99 ug/ml

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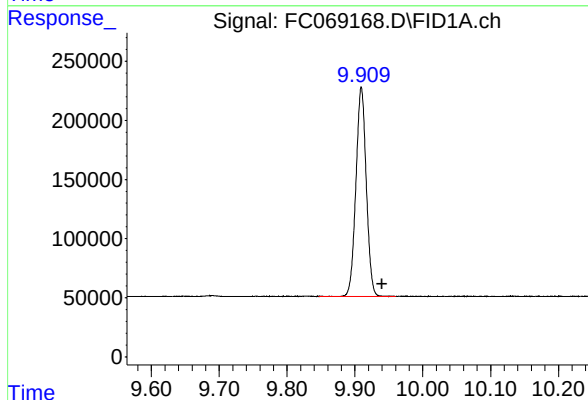
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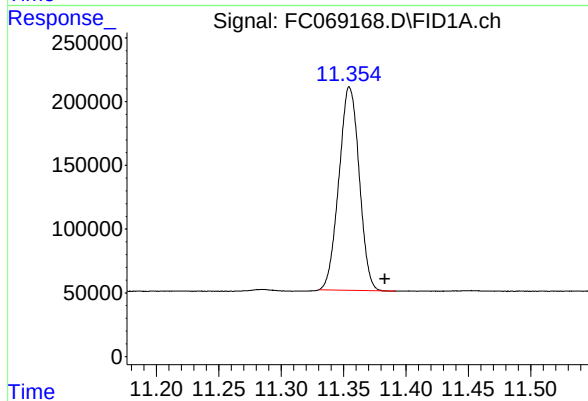
#6 n-Tetradecane (C14)

R.T.: 8.305 min
Delta R.T.: -0.032 min
Response: 1924194
Conc: 18.77 ug/ml



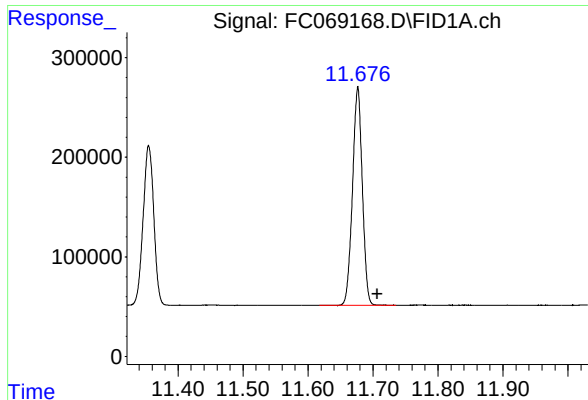
#7 n-Hexadecane (C16)

R.T.: 9.910 min
Delta R.T.: -0.030 min
Response: 1874143
Conc: 18.47 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.355 min
Delta R.T.: -0.028 min
Response: 1807613
Conc: 18.09 ug/ml



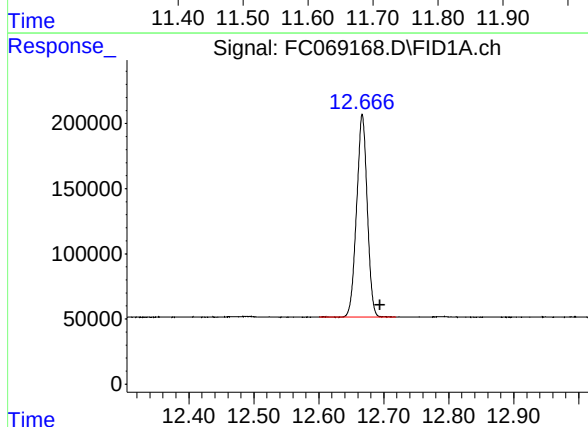
#9 ortho-Terphenyl (SURR)

R.T.: 11.677 min
Delta R.T.: -0.030 min
Response: 2305016
Conc: 18.69 ug/ml

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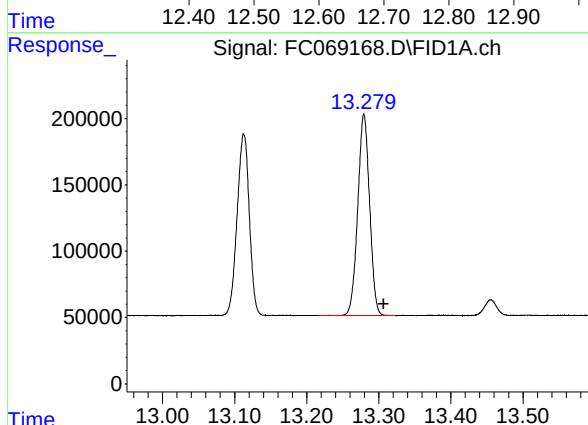
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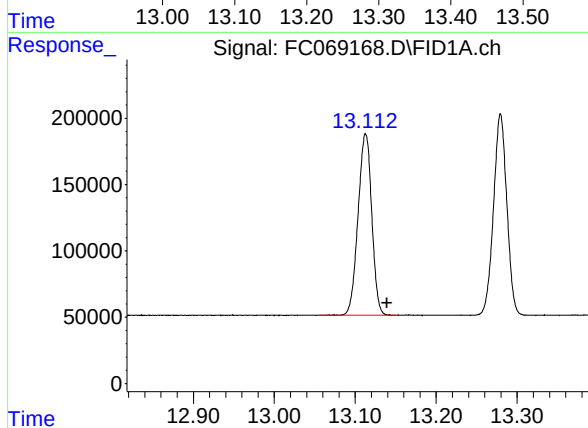
#10 n-Eicosane (C20)

R.T.: 12.667 min
Delta R.T.: -0.027 min
Response: 1767539
Conc: 18.15 ug/ml



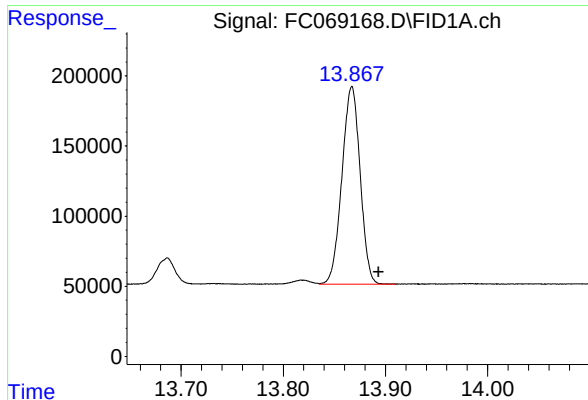
#11 n-Heneicosane (C21)

R.T.: 13.280 min
Delta R.T.: -0.027 min
Response: 1733959
Conc: 18.01 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.113 min
Delta R.T.: -0.027 min
Response: 1607465
Conc: 17.92 ug/ml



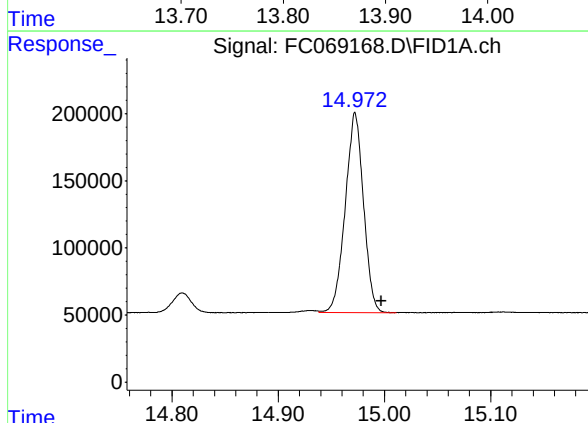
#13 n-Docosane (C22)

R.T.: 13.867 min
Delta R.T.: -0.026 min
Response: 1743757
Conc: 18.30 ug/ml

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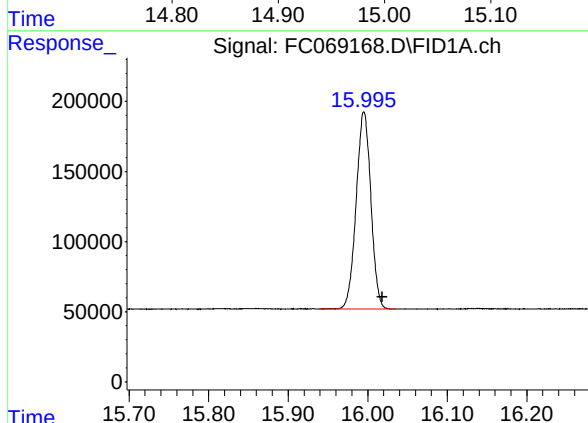
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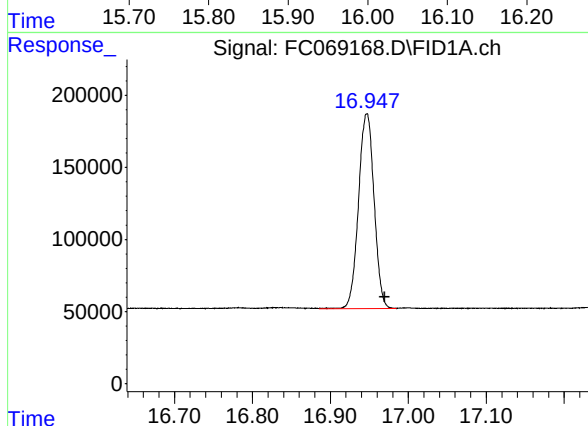
#14 n-Tetracosane (C24)

R.T.: 14.972 min
Delta R.T.: -0.025 min
Response: 1781701
Conc: 18.92 ug/ml m



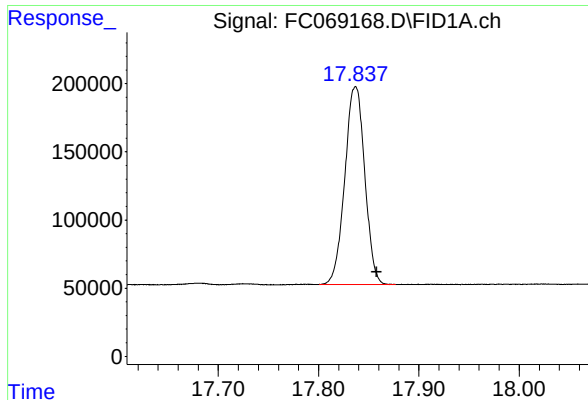
#15 n-Hexacosane (C26)

R.T.: 15.995 min
Delta R.T.: -0.023 min
Response: 1806943
Conc: 19.46 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.947 min
Delta R.T.: -0.023 min
Response: 1882247
Conc: 20.25 ug/ml m



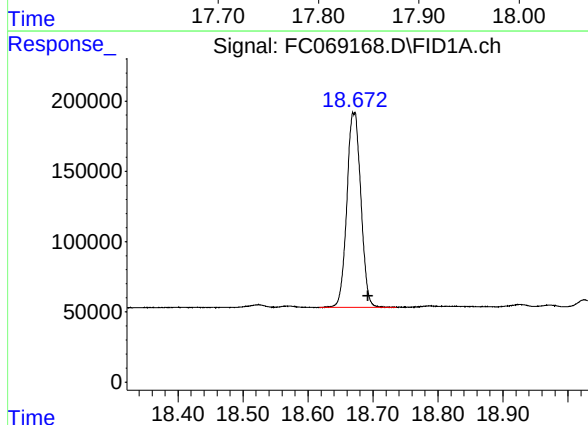
#17 n-Tricontane (C30)

R.T.: 17.837 min
Delta R.T.: -0.021 min
Response: 2007669
Conc: 20.75 ug/ml

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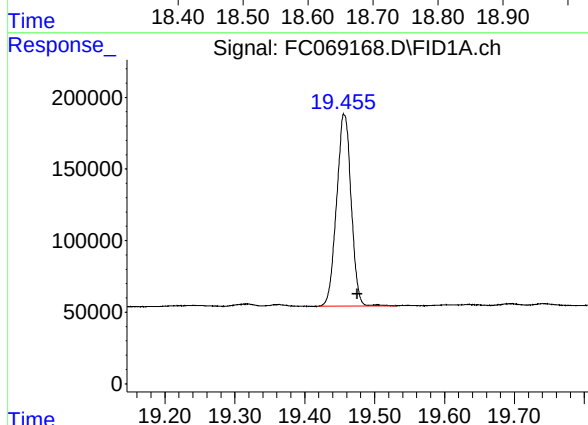
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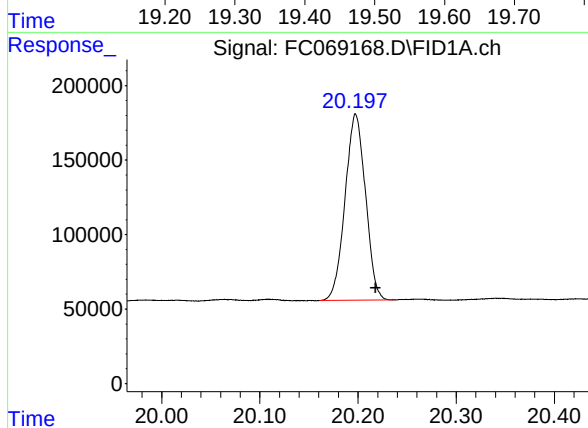
#18 n-Dotriacontane (C32)

R.T.: 18.671 min
Delta R.T.: -0.022 min
Response: 2078032
Conc: 20.97 ug/ml



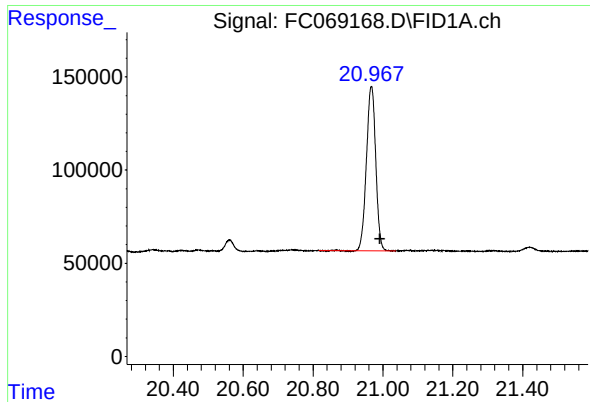
#19 n-Tetratriacontane (C34)

R.T.: 19.457 min
Delta R.T.: -0.019 min
Response: 1933658
Conc: 20.06 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.198 min
Delta R.T.: -0.020 min
Response: 1808046
Conc: 19.05 ug/ml



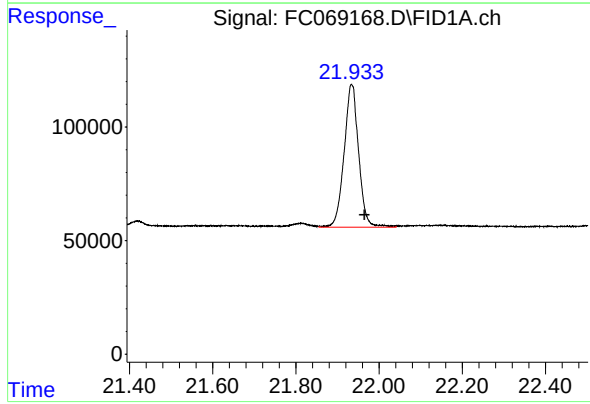
#21 n-Octatriacontane (C38)

R.T.: 20.967 min
Delta R.T.: -0.024 min
Response: 1635612
Conc: 17.93 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.933 min
Delta R.T.: -0.032 min
Response: 1522438
Conc: 17.25 ug/ml m