

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
 Data File : FC069180.D
 Signal(s) : FID1A.ch
 Acq On : 12 Jun 2025 09:21
 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 09:45:56 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	2214256	17.952 ug/ml
Spiked Amount 50.000		Recovery =	35.90%
12) S 1-chlorooctadecane (S...	13.112	1534914	17.109 ug/ml
Spiked Amount 50.000		Recovery =	34.22%
Target Compounds			
1) T n-Nonane (C9)	3.404	1919130	18.084 ug/ml
2) T n-Decane (C10)	4.479	1940662	18.324 ug/ml
3) T A~Naphthalene (C11.7)	6.074	2129840	18.419 ug/ml
4) T n-Dodecane (C12)	6.506	1884211	17.924 ug/ml
5) T A~2-methylnaphthalene...	7.134	2068926	18.249 ug/ml
6) T n-Tetradecane (C14)	8.305	1797771	17.539 ug/ml
7) T n-Hexadecane (C16)	9.909	1742065	17.169 ug/ml
8) T n-Octadecane (C18)	11.354	1683335	16.843 ug/ml
10) T n-Eicosane (C20)	12.667	1660429	17.048 ug/ml
11) T n-Heneicosane (C21)	13.279	1638228	17.020 ug/ml
13) T n-Docosane (C22)	13.866	1657904	17.402 ug/ml
14) T n-Tetracosane (C24)	14.971	1711995	18.183 ug/mlm
15) T n-Hexacosane (C26)	15.995	1754945	18.903 ug/ml
16) T n-Octacosane (C28)	16.947	1849826	19.901 ug/ml
17) T n-Tricontane (C30)	17.837	1970823	20.369 ug/ml
18) T n-Dotriacontane (C32)	18.671	2044095	20.627 ug/ml
19) T n-Tetratriacontane (C34)	19.457	1894911	19.661 ug/ml
20) T n-Hexatriacontane (C36)	20.199	1760097	18.541 ug/ml
21) T n-Octatriacontane (C38)	20.967	1574316	17.256 ug/ml
22) T n-Tetracontane (C40)	21.933	1424900	16.149 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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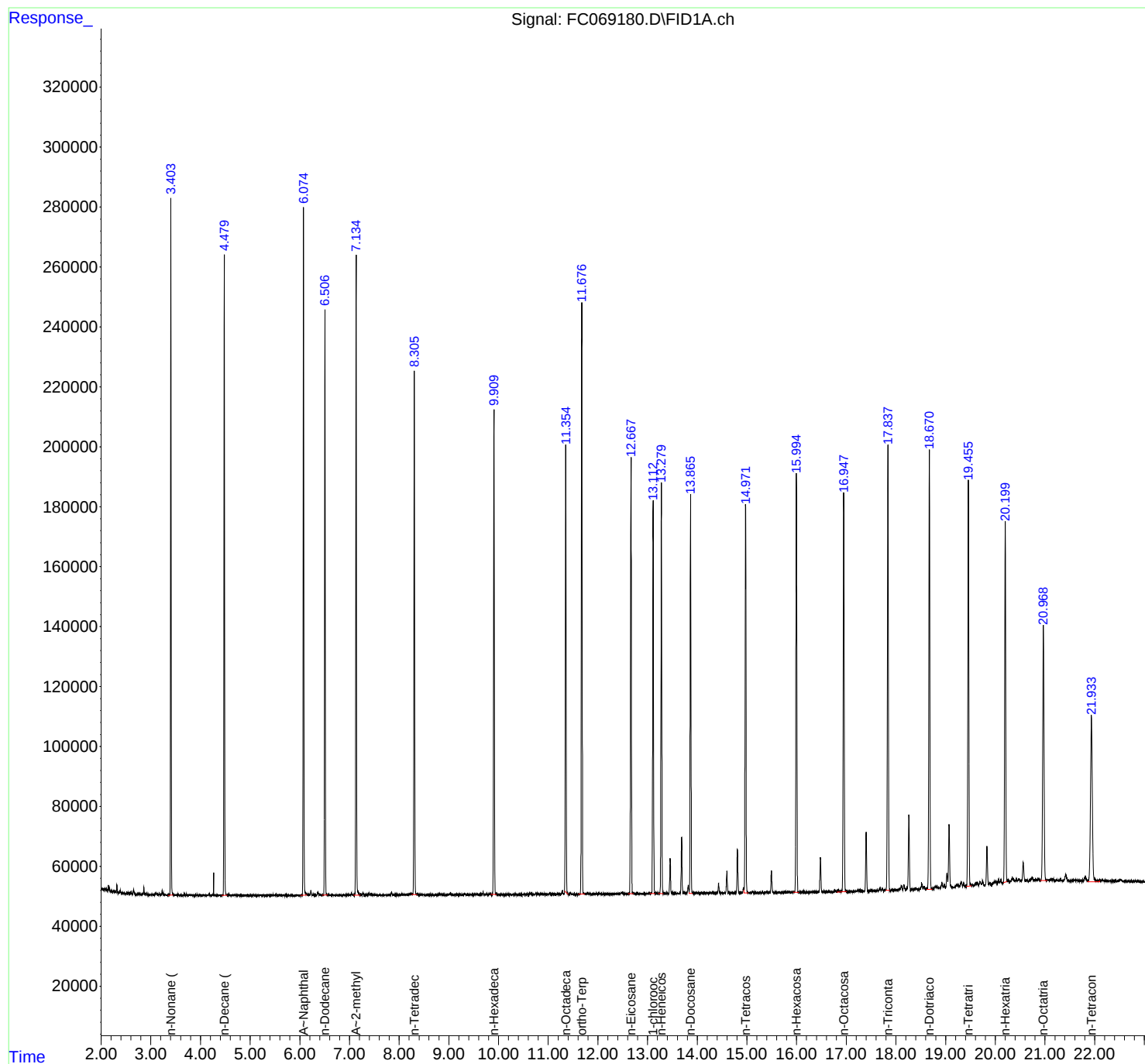
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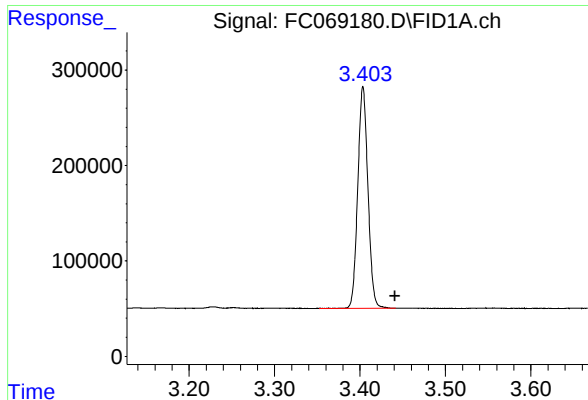
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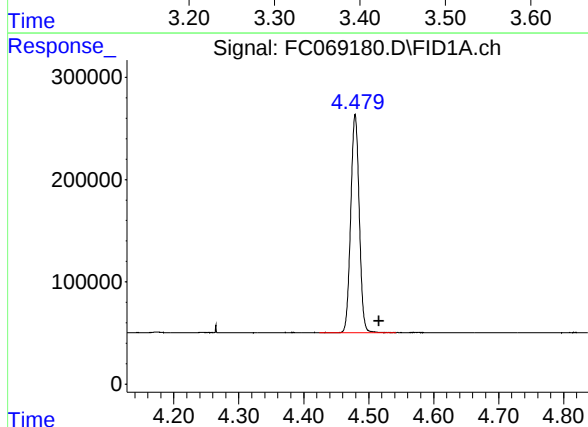
#1 n-Nonane (C9)

R.T.: 3.404 min
Delta R.T.: -0.037 min
Response: 1919130
Conc: 18.08 ug/ml

Instrument :
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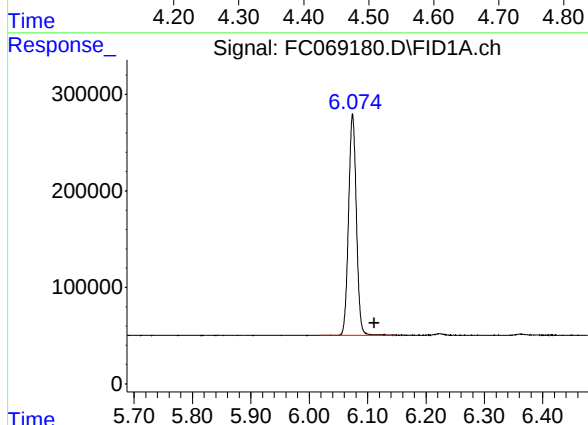
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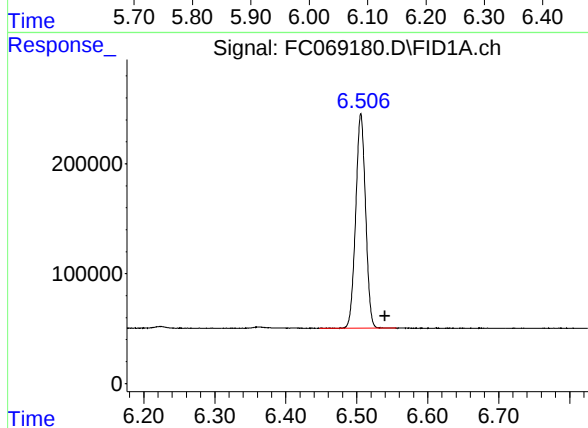
#2 n-Decane (C10)

R.T.: 4.479 min
Delta R.T.: -0.036 min
Response: 1940662
Conc: 18.32 ug/ml



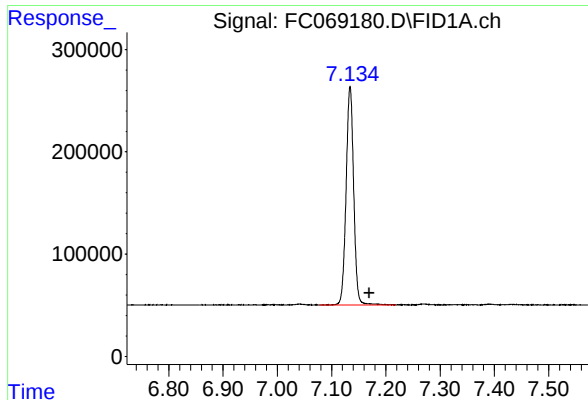
#3 A~Naphthalene (C11.7)

R.T.: 6.074 min
Delta R.T.: -0.038 min
Response: 2129840
Conc: 18.42 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.506 min
Delta R.T.: -0.034 min
Response: 1884211
Conc: 17.92 ug/ml



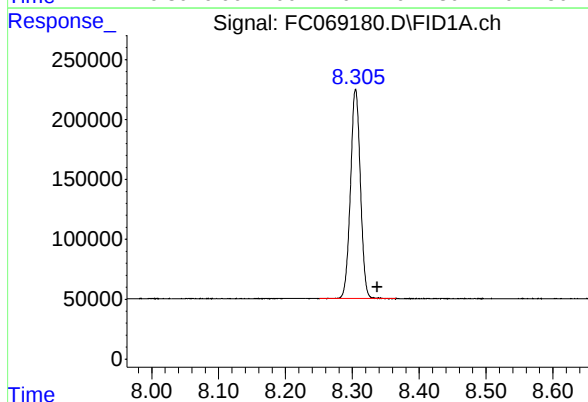
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.134 min
Delta R.T.: -0.036 min
Response: 2068926
Conc: 18.25 ug/ml

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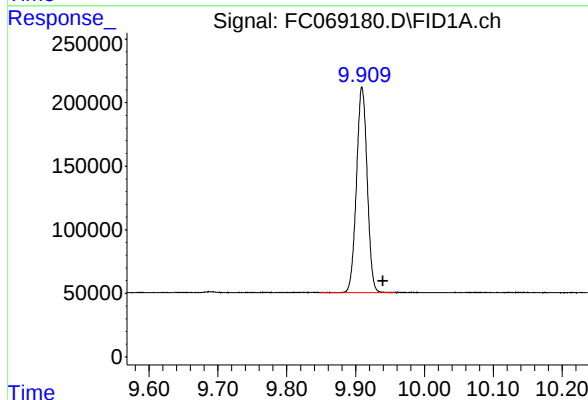
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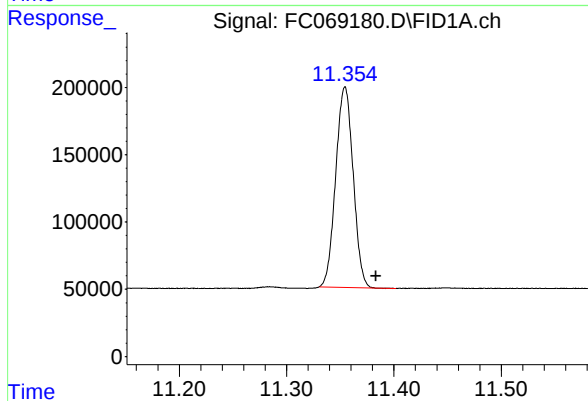
#6 n-Tetradecane (C14)

R.T.: 8.305 min
Delta R.T.: -0.032 min
Response: 1797771
Conc: 17.54 ug/ml



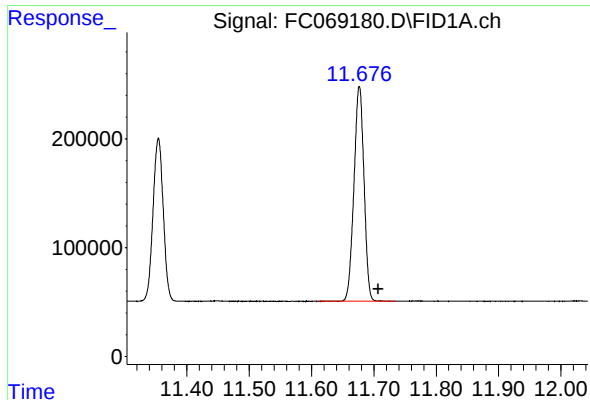
#7 n-Hexadecane (C16)

R.T.: 9.909 min
Delta R.T.: -0.031 min
Response: 1742065
Conc: 17.17 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.354 min
Delta R.T.: -0.029 min
Response: 1683335
Conc: 16.84 ug/ml



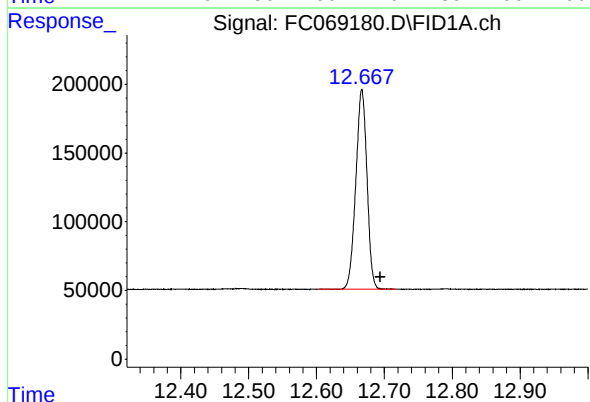
#9 ortho-Terphenyl (SURR)

R.T.: 11.677 min
Delta R.T.: -0.030 min
Response: 2214256
Conc: 17.95 ug/ml

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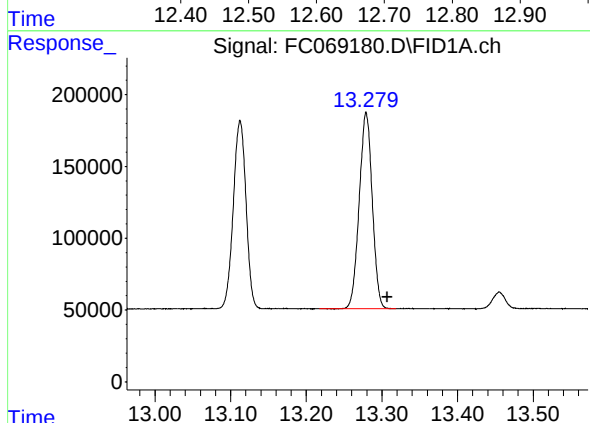
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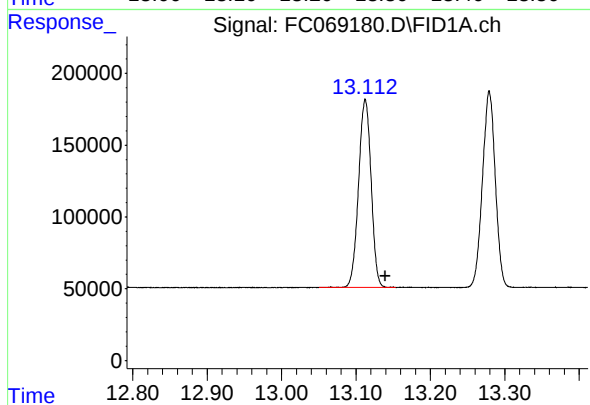
#10 n-Eicosane (C20)

R.T.: 12.667 min
Delta R.T.: -0.027 min
Response: 1660429
Conc: 17.05 ug/ml



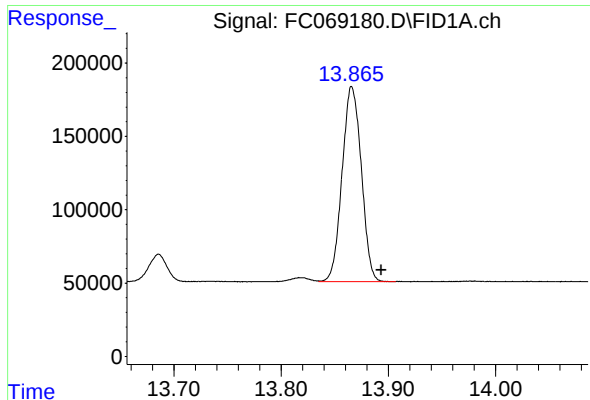
#11 n-Heneicosane (C21)

R.T.: 13.279 min
Delta R.T.: -0.028 min
Response: 1638228
Conc: 17.02 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.112 min
Delta R.T.: -0.027 min
Response: 1534914
Conc: 17.11 ug/ml



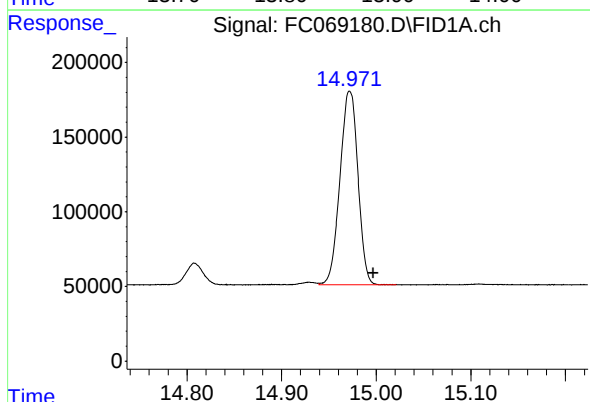
#13 n-Docosane (C22)

R.T.: 13.866 min
Delta R.T.: -0.027 min
Response: 1657904
Conc: 17.40 ug/ml

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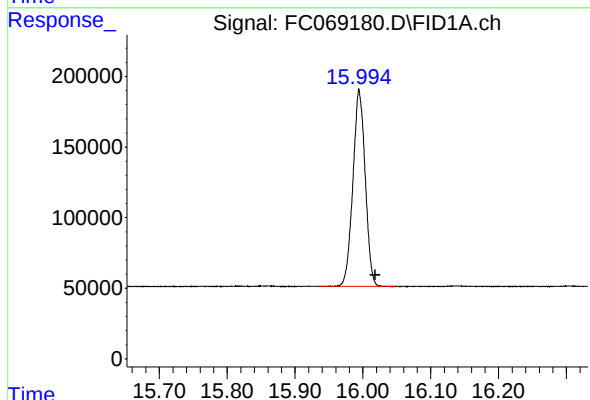
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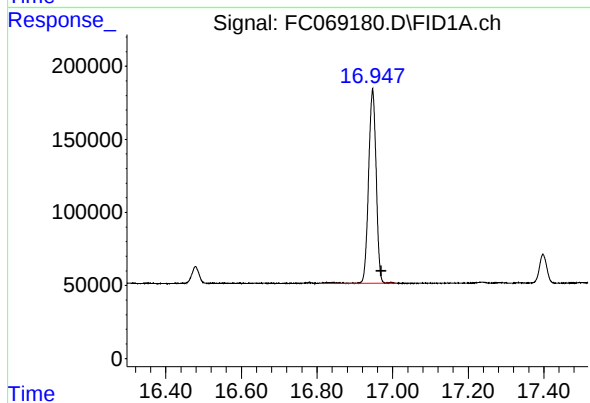
#14 n-Tetracosane (C24)

R.T.: 14.971 min
Delta R.T.: -0.026 min
Response: 1711995
Conc: 18.18 ug/ml m



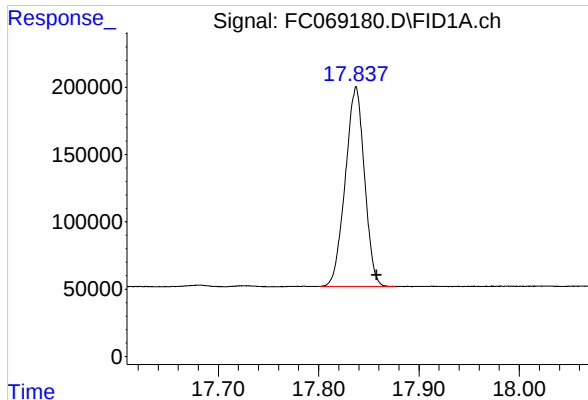
#15 n-Hexacosane (C26)

R.T.: 15.995 min
Delta R.T.: -0.024 min
Response: 1754945
Conc: 18.90 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.947 min
Delta R.T.: -0.023 min
Response: 1849826
Conc: 19.90 ug/ml



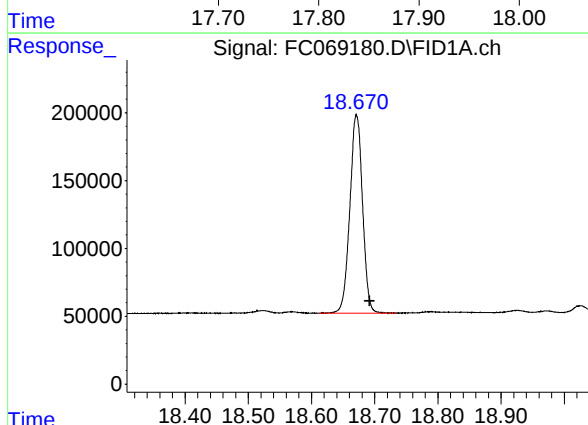
#17 n-Tricontane (C30)

R.T.: 17.837 min
Delta R.T.: -0.021 min
Response: 1970823
Conc: 20.37 ug/ml

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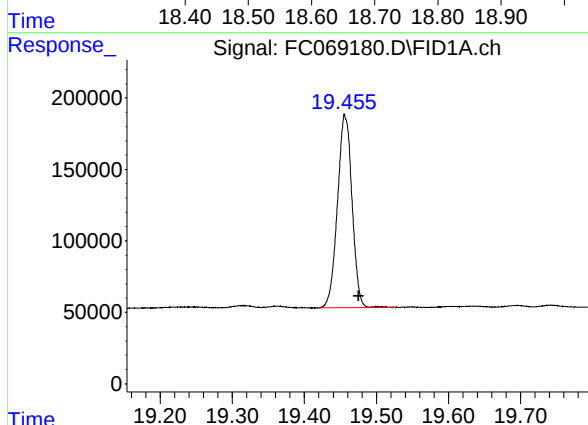
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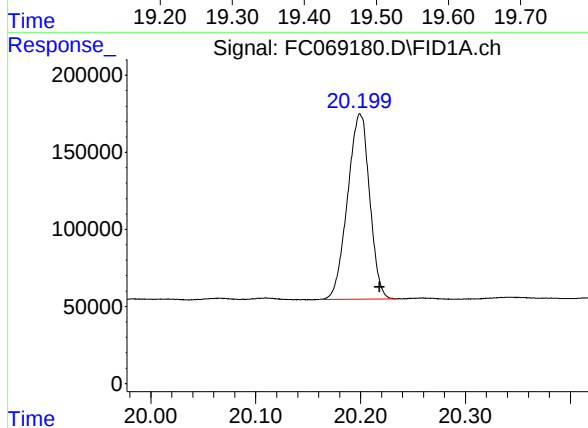
#18 n-Dotriacontane (C32)

R.T.: 18.671 min
Delta R.T.: -0.021 min
Response: 2044095
Conc: 20.63 ug/ml



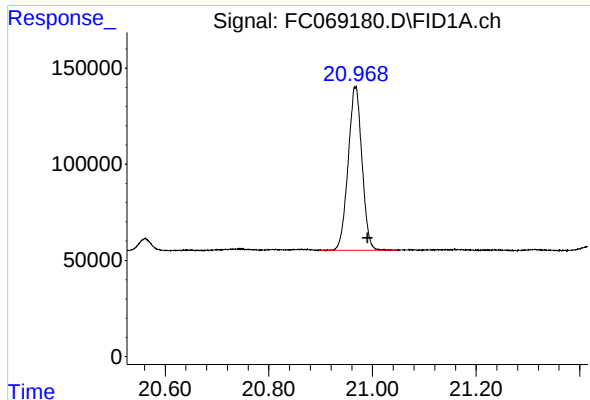
#19 n-Tetatriacontane (C34)

R.T.: 19.457 min
Delta R.T.: -0.019 min
Response: 1894911
Conc: 19.66 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.199 min
Delta R.T.: -0.019 min
Response: 1760097
Conc: 18.54 ug/ml



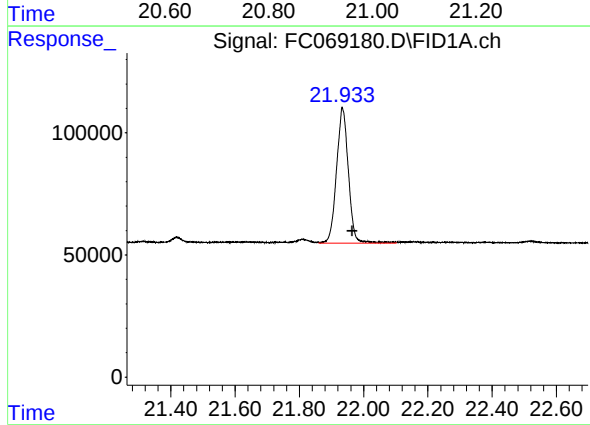
#21 n-Octatriacontane (C38)

R.T.: 20.967 min
Delta R.T.: -0.024 min
Response: 1574316
Conc: 17.26 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.933 min
Delta R.T.: -0.032 min
Response: 1424900
Conc: 16.15 ug/ml m