

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061325AL\
 Data File : FC069208.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 11:07
 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 06/16/2025
 Supervised By :mohammad ahmed 06/17/2025

Integration File: autoint1.e
 Quant Time: Jun 13 23:08:17 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)	11.675	2273928	18.436 ug/ml
Spiked Amount 50.000		Recovery =	36.87%
12) S 1-chlorooctadecane (S...	13.112	1582722	17.642 ug/ml
Spiked Amount 50.000		Recovery =	35.28%
Target Compounds			
1) T n-Nonane (C9)	3.403	1955960	18.431 ug/ml
2) T n-Decane (C10)	4.479	1976610	18.664 ug/ml
3) T A~Naphthalene (C11.7)	6.074	2172314	18.786 ug/ml
4) T n-Dodecane (C12)	6.505	1918179	18.247 ug/ml
5) T A~2-methylnaphthalene...	7.133	2119568	18.696 ug/ml
6) T n-Tetradecane (C14)	8.304	1830920	17.862 ug/ml
7) T n-Hexadecane (C16)	9.908	1775648	17.500 ug/ml
8) T n-Octadecane (C18)	11.352	1745096	17.461 ug/mlm
10) T n-Eicosane (C20)	12.665	1697893	17.433 ug/ml
11) T n-Heneicosane (C21)	13.278	1680641	17.461 ug/ml
13) T n-Docosane (C22)	13.865	1705427	17.901 ug/ml
14) T n-Tetracosane (C24)	14.970	1774021	18.842 ug/mlm
15) T n-Hexacosane (C26)	15.992	1832276	19.736 ug/ml
16) T n-Octacosane (C28)	16.944	1928119	20.743 ug/mlm
17) T n-Tricontane (C30)	17.834	2088437	21.584 ug/ml
18) T n-Dotriacontane (C32)	18.669	2175899	21.957 ug/ml
19) T n-Tetratriacontane (C34)	19.454	2013758	20.894 ug/ml
20) T n-Hexatriacontane (C36)	20.195	1898143	19.995 ug/ml
21) T n-Octatriacontane (C38)	20.963	1750814	19.190 ug/ml
22) T n-Tetracontane (C40)	21.926	1643333	18.625 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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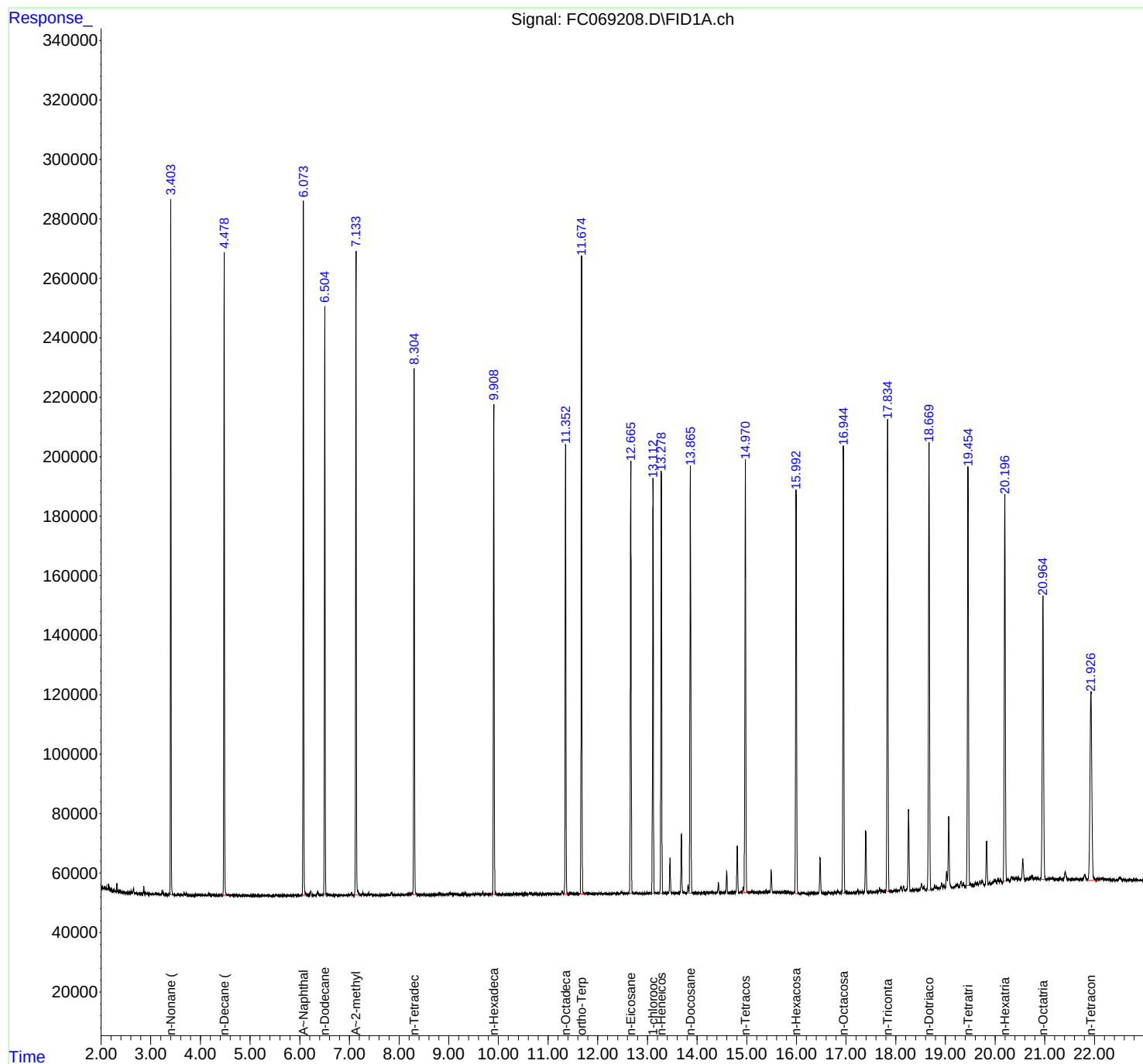
Instrument :
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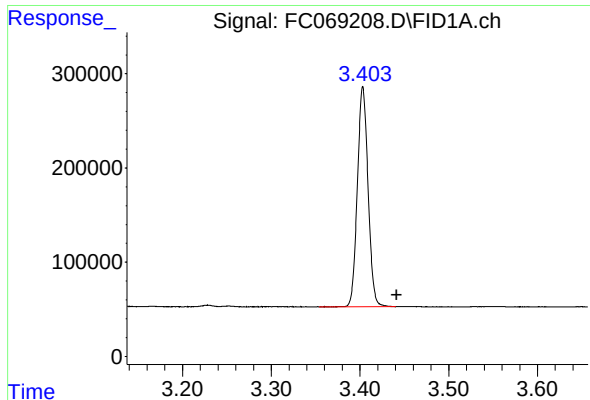
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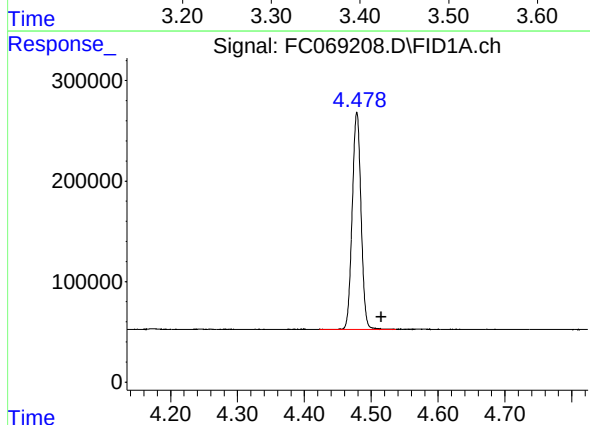
#1 n-Nonane (C9)

R.T.: 3.403 min
Delta R.T.: -0.038 min
Response: 1955960
Conc: 18.43 ug/ml

Instrument :
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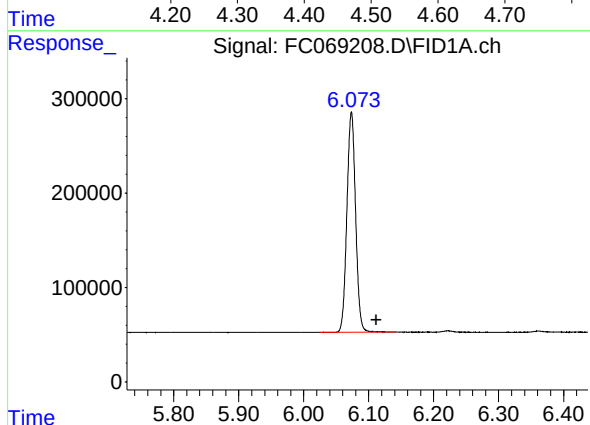
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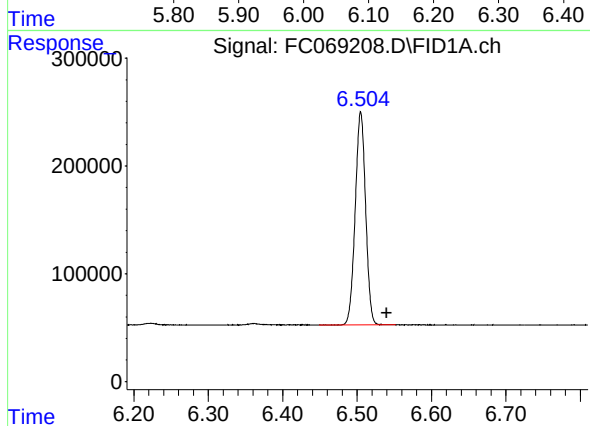
#2 n-Decane (C10)

R.T.: 4.479 min
Delta R.T.: -0.037 min
Response: 1976610
Conc: 18.66 ug/ml



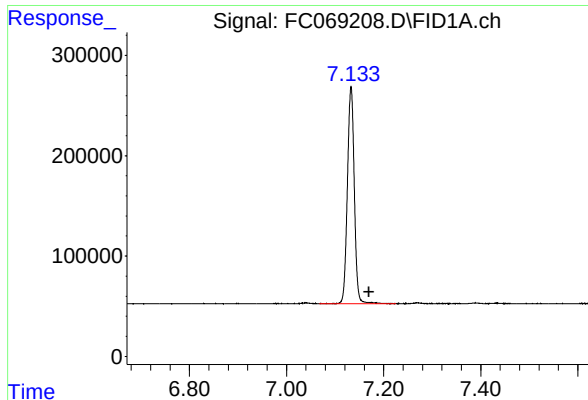
#3 A~Naphthalene (C11.7)

R.T.: 6.074 min
Delta R.T.: -0.038 min
Response: 2172314
Conc: 18.79 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.505 min
Delta R.T.: -0.035 min
Response: 1918179
Conc: 18.25 ug/ml



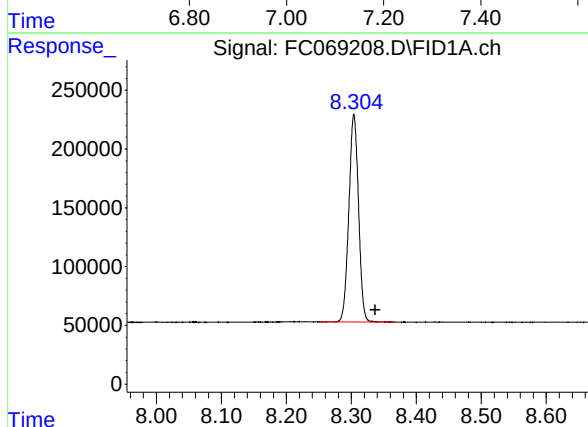
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.133 min
Delta R.T.: -0.037 min
Response: 2119568
Conc: 18.70 ug/ml

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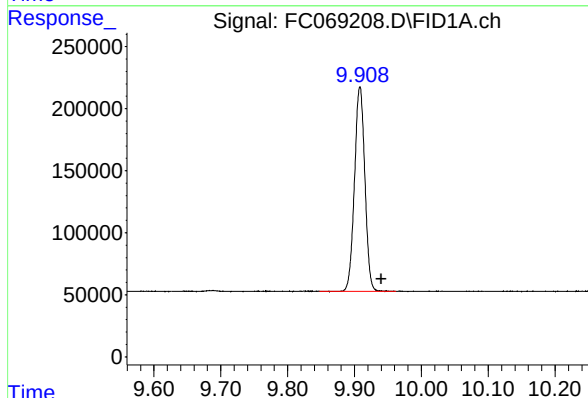
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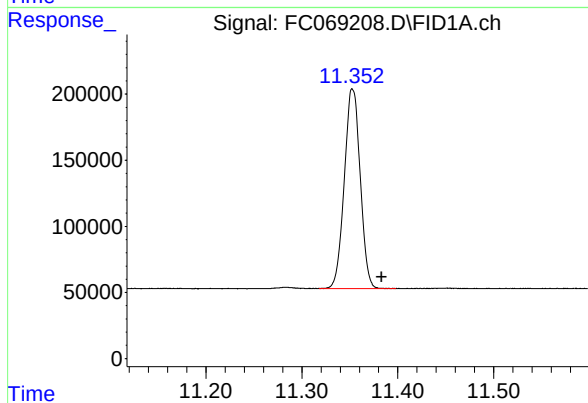
#6 n-Tetradecane (C14)

R.T.: 8.304 min
Delta R.T.: -0.033 min
Response: 1830920
Conc: 17.86 ug/ml



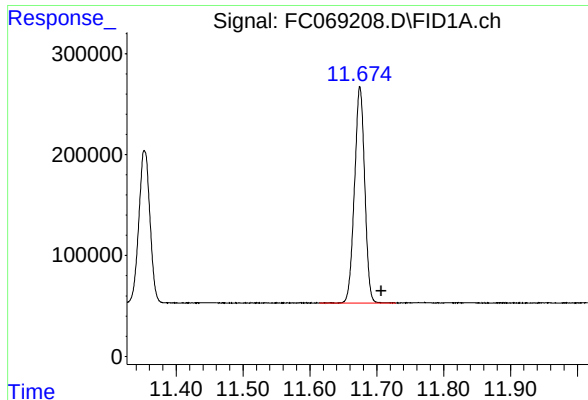
#7 n-Hexadecane (C16)

R.T.: 9.908 min
Delta R.T.: -0.032 min
Response: 1775648
Conc: 17.50 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.352 min
Delta R.T.: -0.031 min
Response: 1745096
Conc: 17.46 ug/ml m



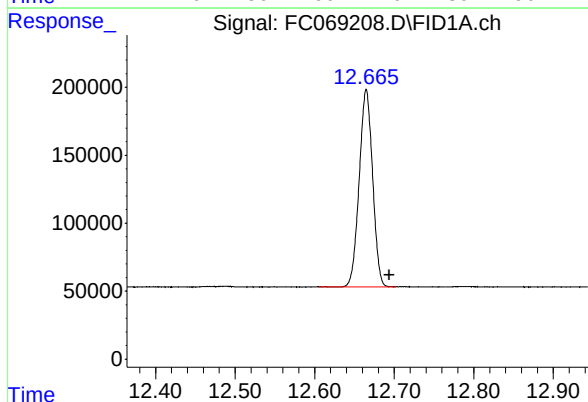
#9 ortho-Terphenyl (SURR)

R.T.: 11.675 min
Delta R.T.: -0.032 min
Response: 2273928
Conc: 18.44 ug/ml

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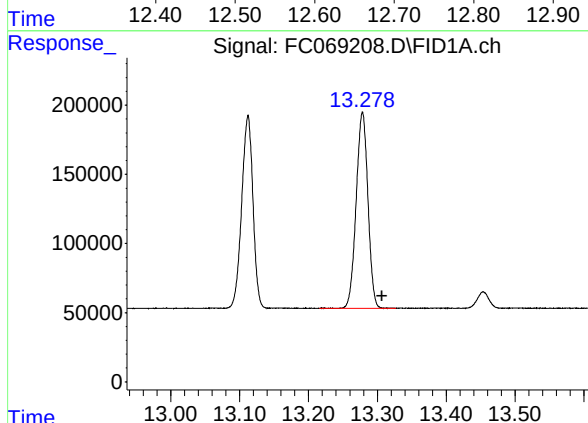
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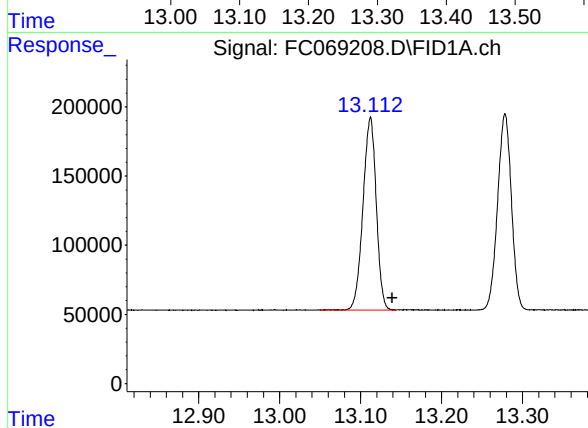
#10 n-Eicosane (C20)

R.T.: 12.665 min
Delta R.T.: -0.029 min
Response: 1697893
Conc: 17.43 ug/ml



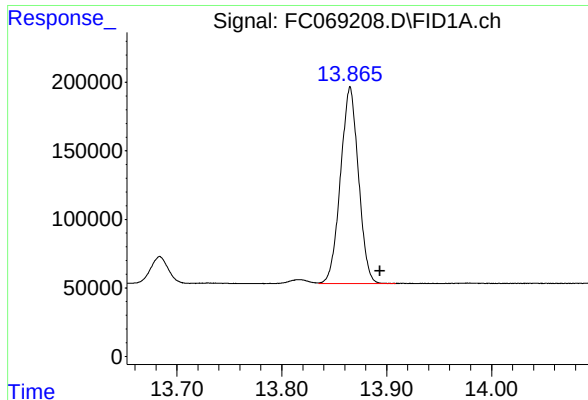
#11 n-Heneicosane (C21)

R.T.: 13.278 min
Delta R.T.: -0.028 min
Response: 1680641
Conc: 17.46 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.112 min
Delta R.T.: -0.027 min
Response: 1582722
Conc: 17.64 ug/ml



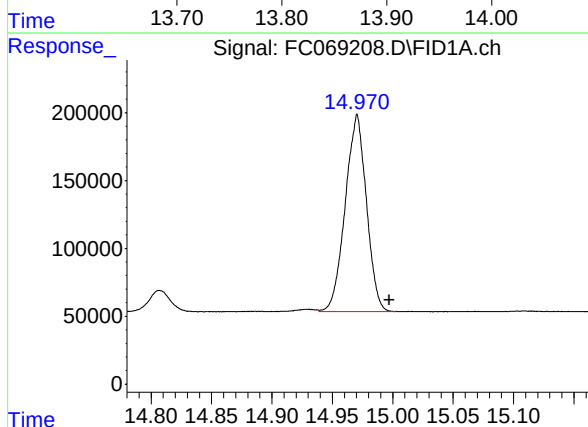
#13 n-Docosane (C22)

R.T.: 13.865 min
Delta R.T.: -0.028 min
Response: 1705427
Conc: 17.90 ug/ml

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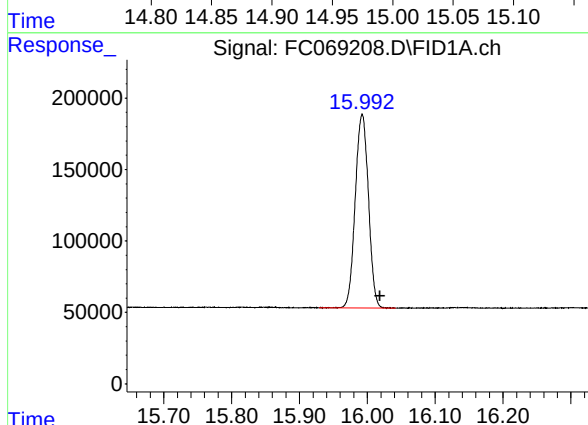
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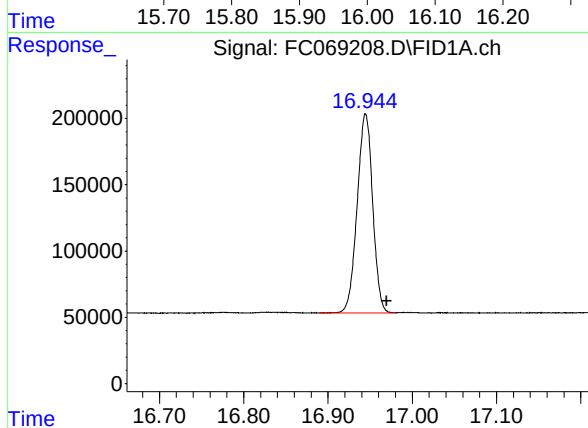
#14 n-Tetracosane (C24)

R.T.: 14.970 min
Delta R.T.: -0.027 min
Response: 1774021
Conc: 18.84 ug/ml m



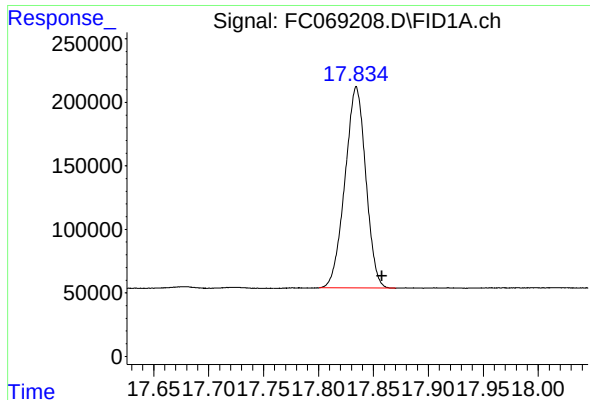
#15 n-Hexacosane (C26)

R.T.: 15.992 min
Delta R.T.: -0.026 min
Response: 1832276
Conc: 19.74 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.944 min
Delta R.T.: -0.026 min
Response: 1928119
Conc: 20.74 ug/ml m



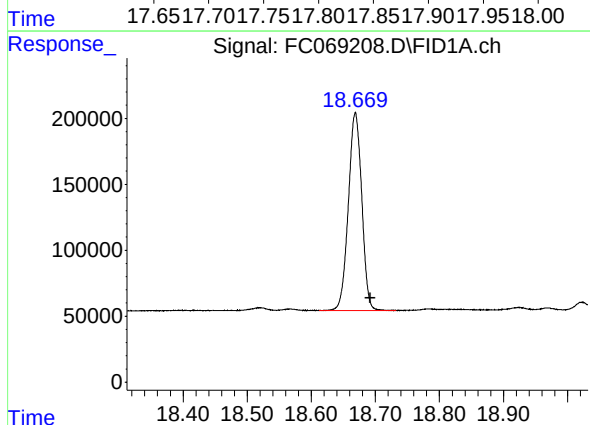
#17 n-Tricontane (C30)

R.T.: 17.834 min
Delta R.T.: -0.023 min
Response: 2088437
Conc: 21.58 ug/ml

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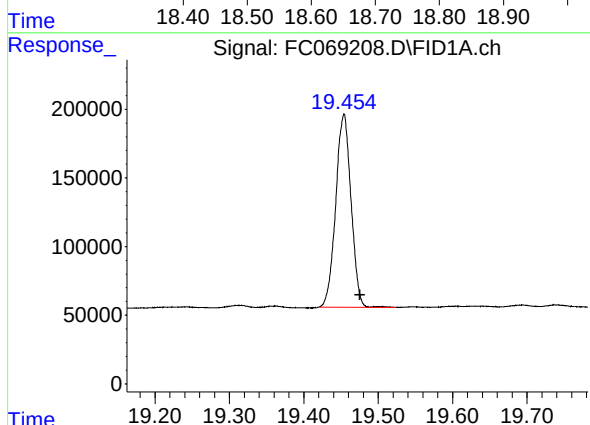
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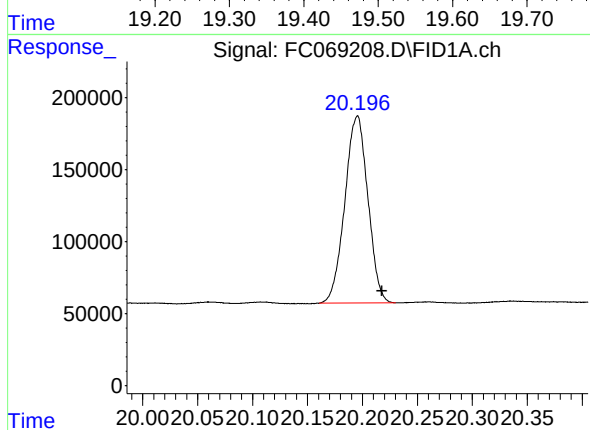
#18 n-Dotriacontane (C32)

R.T.: 18.669 min
Delta R.T.: -0.023 min
Response: 2175899
Conc: 21.96 ug/ml



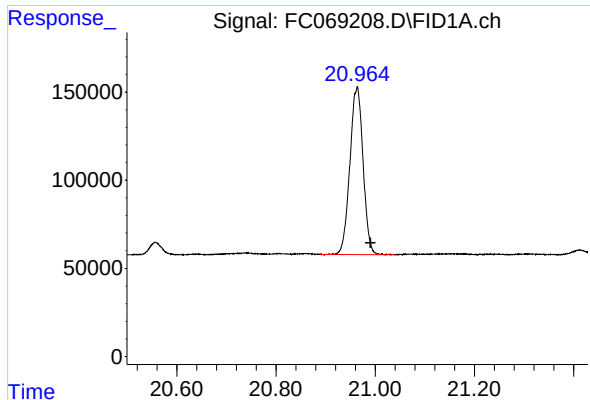
#19 n-Tetatriacontane (C34)

R.T.: 19.454 min
Delta R.T.: -0.022 min
Response: 2013758
Conc: 20.89 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.195 min
Delta R.T.: -0.023 min
Response: 1898143
Conc: 20.00 ug/ml



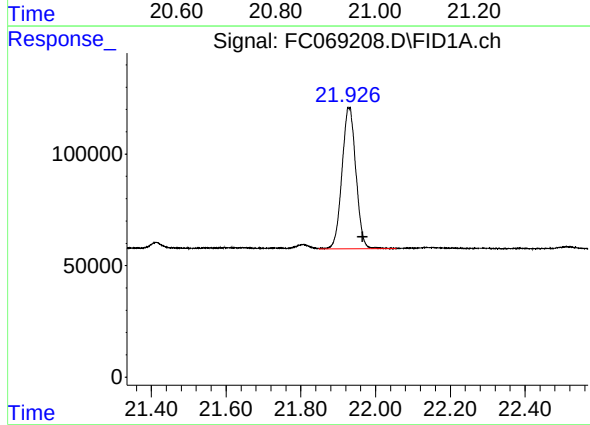
#21 n-Octatriacontane (C38)

R.T.: 20.963 min
Delta R.T.: -0.028 min
Response: 1750814
Conc: 19.19 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.926 min
Delta R.T.: -0.039 min
Response: 1643333
Conc: 18.62 ug/ml m