

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
 Data File : FC069174.D
 Signal(s) : FID1A.ch
 Acq On : 12 Jun 2025 04:46
 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 06:08:46 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	2256714	18.296 ug/ml
Spiked Amount 50.000		Recovery =	36.59%
12) S 1-chlorooctadecane (S...	13.113	1563053	17.423 ug/ml
Spiked Amount 50.000		Recovery =	34.85%
Target Compounds			
1) T n-Nonane (C9)	3.404	1977576	18.635 ug/ml
2) T n-Decane (C10)	4.479	2004976	18.931 ug/ml
3) T A~Naphthalene (C11.7)	6.075	2175162	18.810 ug/ml
4) T n-Dodecane (C12)	6.507	1953670	18.585 ug/ml
5) T A~2-methylnaphthalene...	7.135	2111866	18.628 ug/ml
6) T n-Tetradecane (C14)	8.306	1875721	18.299 ug/ml
7) T n-Hexadecane (C16)	9.910	1815968	17.897 ug/ml
8) T n-Octadecane (C18)	11.355	1774936	17.759 ug/mlm
10) T n-Eicosane (C20)	12.667	1706754	17.523 ug/ml
11) T n-Heneicosane (C21)	13.280	1675817	17.411 ug/ml
13) T n-Docosane (C22)	13.868	1693559	17.777 ug/ml
14) T n-Tetracosane (C24)	14.972	1738131	18.461 ug/mlm
15) T n-Hexacosane (C26)	15.996	1771617	19.082 ug/ml
16) T n-Octacosane (C28)	16.949	1839448	19.789 ug/ml
17) T n-Tricontane (C30)	17.837	1976695	20.429 ug/ml
18) T n-Dotriacontane (C32)	18.672	2045665	20.643 ug/ml
19) T n-Tetratriacontane (C34)	19.457	1896905	19.682 ug/ml
20) T n-Hexatriacontane (C36)	20.199	1764895	18.592 ug/ml
21) T n-Octatriacontane (C38)	20.968	1575399	17.268 ug/ml
22) T n-Tetracontane (C40)	21.936	1427551	16.179 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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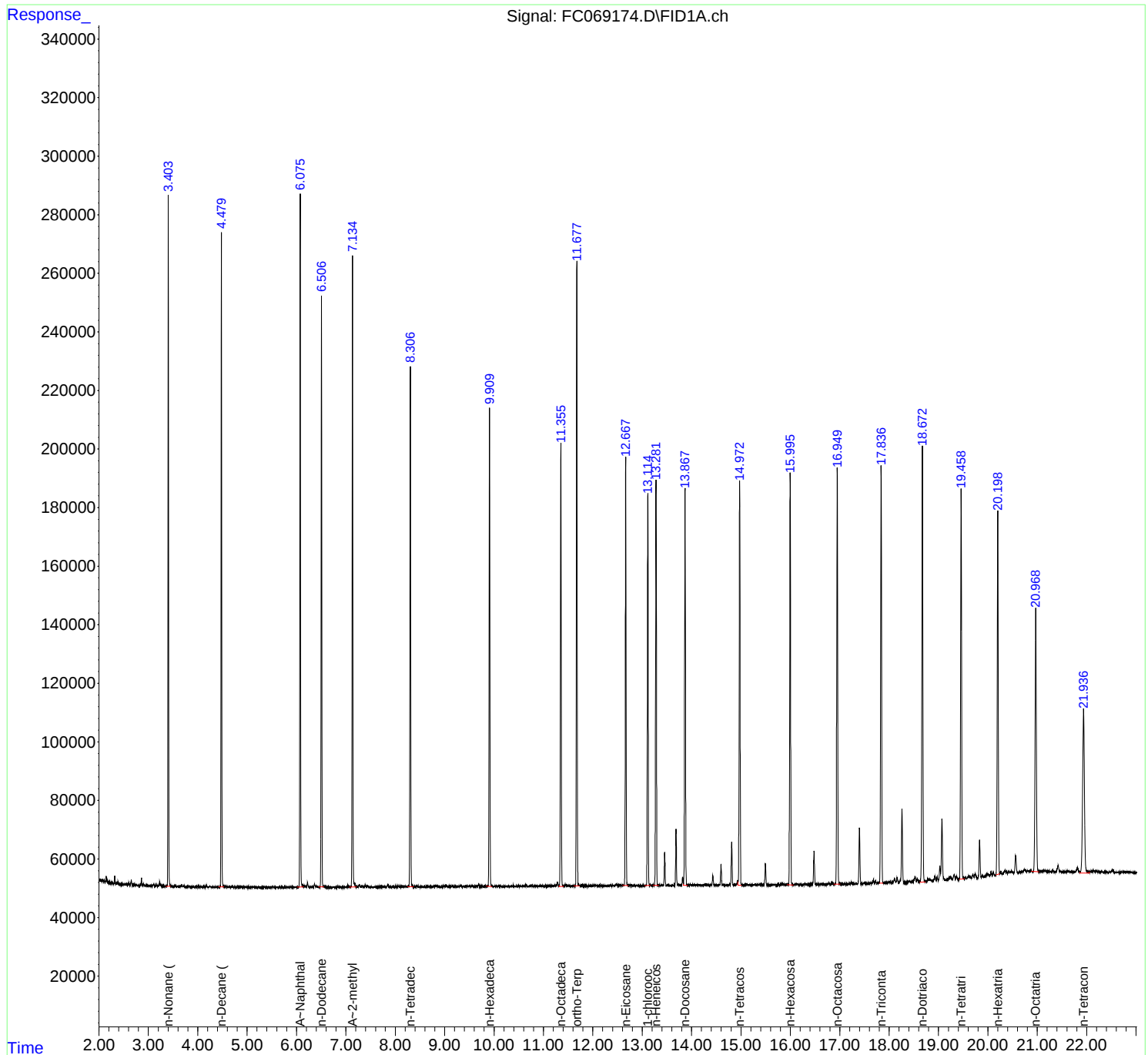
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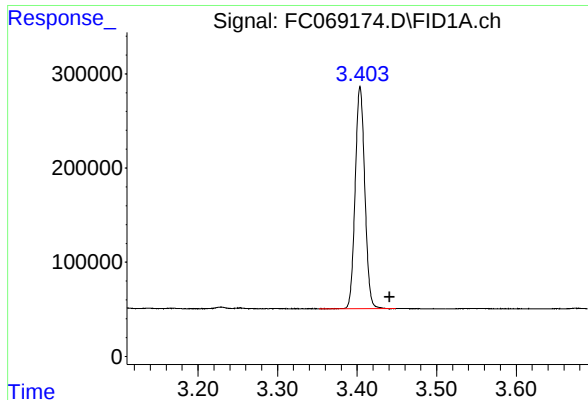
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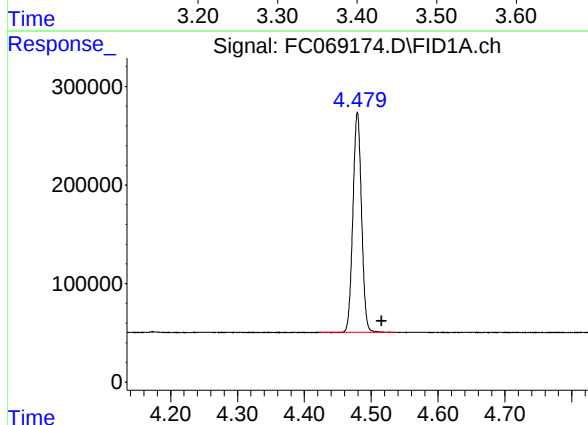
#1 n-Nonane (C9)

R.T.: 3.404 min
Delta R.T.: -0.037 min
Response: 1977576
Conc: 18.63 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

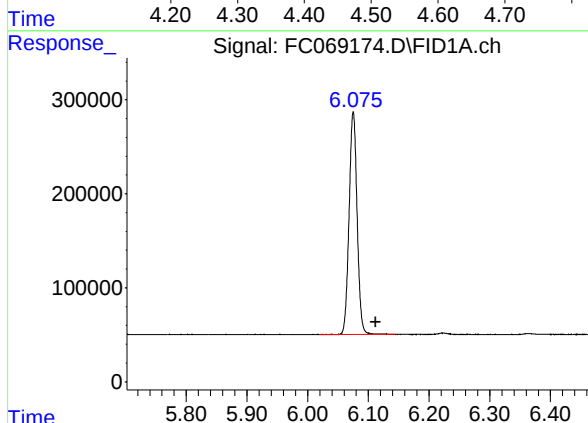
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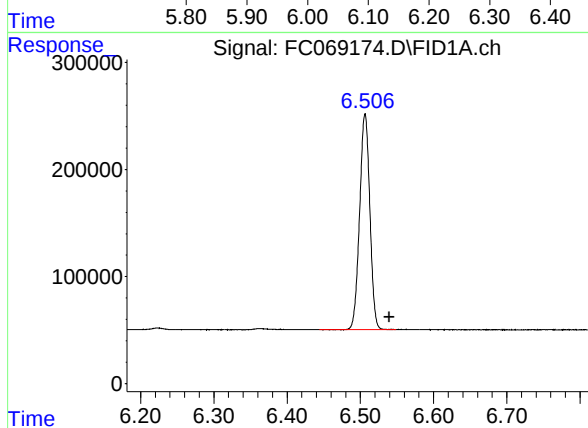
#2 n-Decane (C10)

R.T.: 4.479 min
Delta R.T.: -0.036 min
Response: 2004976
Conc: 18.93 ug/ml



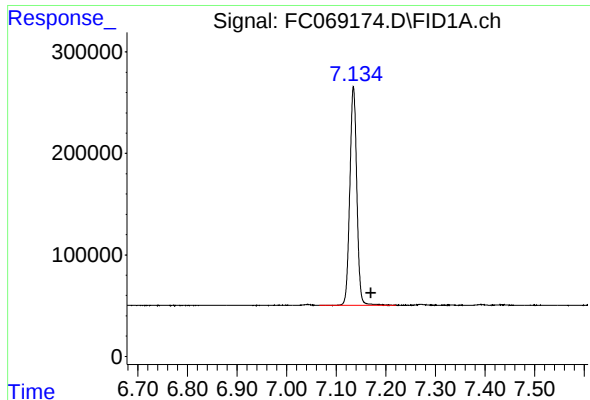
#3 A~Naphthalene (C11.7)

R.T.: 6.075 min
Delta R.T.: -0.037 min
Response: 2175162
Conc: 18.81 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.507 min
Delta R.T.: -0.033 min
Response: 1953670
Conc: 18.58 ug/ml



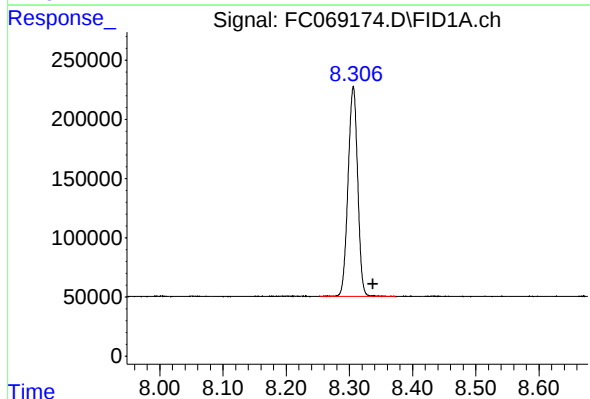
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.135 min
Delta R.T.: -0.035 min
Response: 2111866
Conc: 18.63 ug/ml

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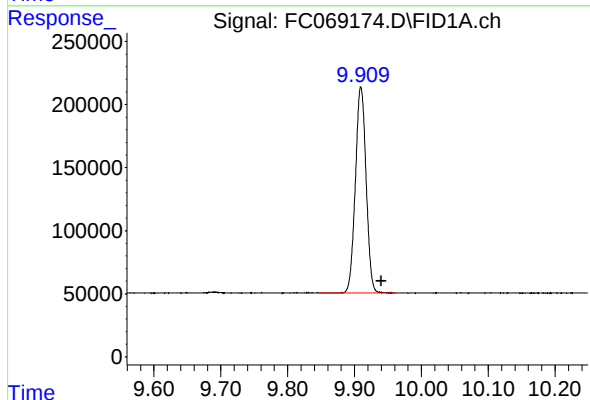
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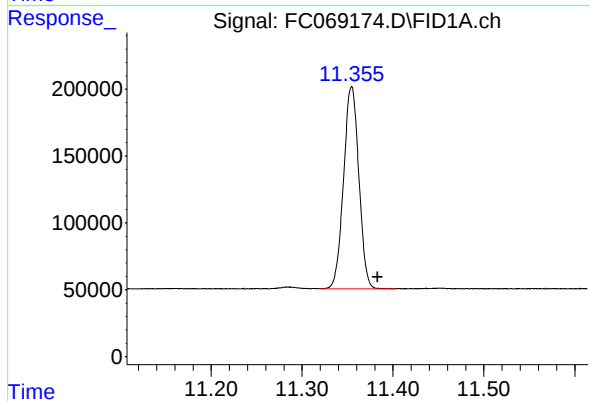
#6 n-Tetradecane (C14)

R.T.: 8.306 min
Delta R.T.: -0.031 min
Response: 1875721
Conc: 18.30 ug/ml



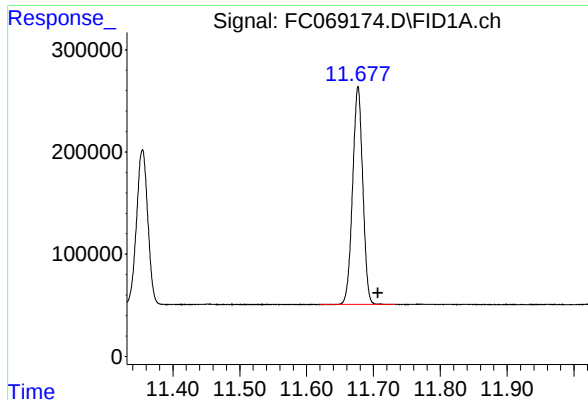
#7 n-Hexadecane (C16)

R.T.: 9.910 min
Delta R.T.: -0.030 min
Response: 1815968
Conc: 17.90 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.355 min
Delta R.T.: -0.029 min
Response: 1774936
Conc: 17.76 ug/ml m



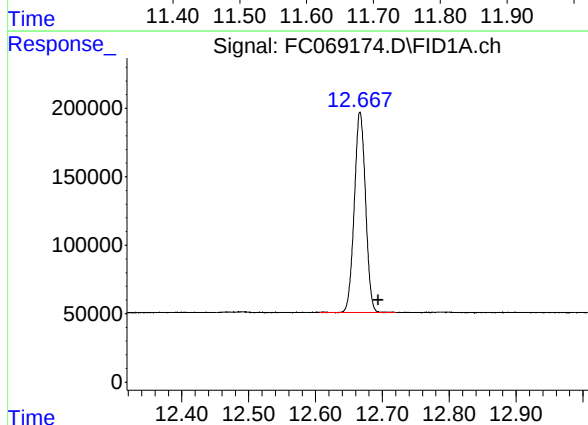
#9 ortho-Terphenyl (SURR)

R.T.: 11.677 min
Delta R.T.: -0.030 min
Response: 2256714
Conc: 18.30 ug/ml

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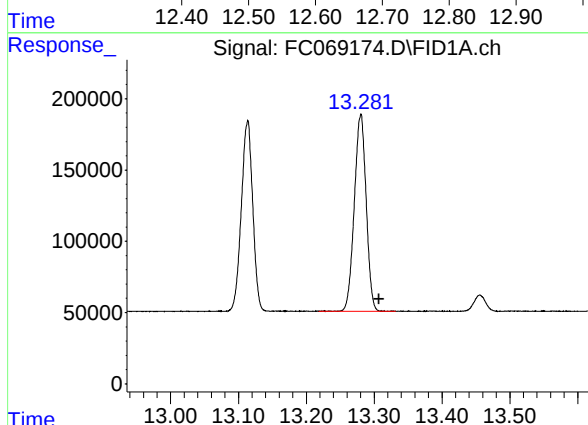
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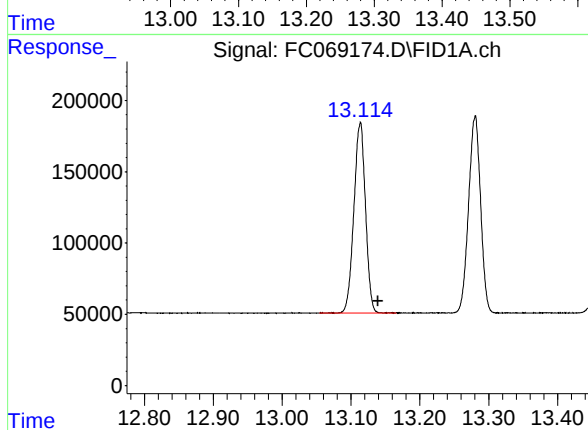
#10 n-Eicosane (C20)

R.T.: 12.667 min
Delta R.T.: -0.027 min
Response: 1706754
Conc: 17.52 ug/ml



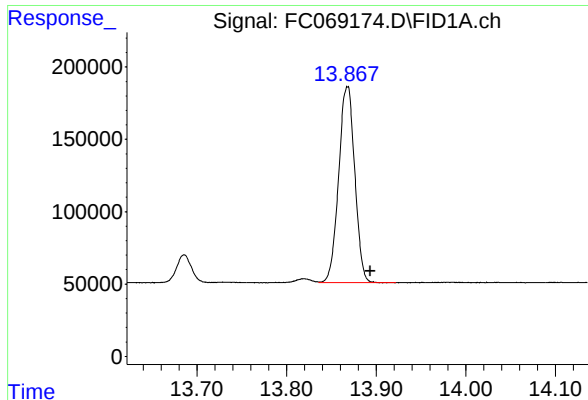
#11 n-Heneicosane (C21)

R.T.: 13.280 min
Delta R.T.: -0.027 min
Response: 1675817
Conc: 17.41 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.113 min
Delta R.T.: -0.026 min
Response: 1563053
Conc: 17.42 ug/ml



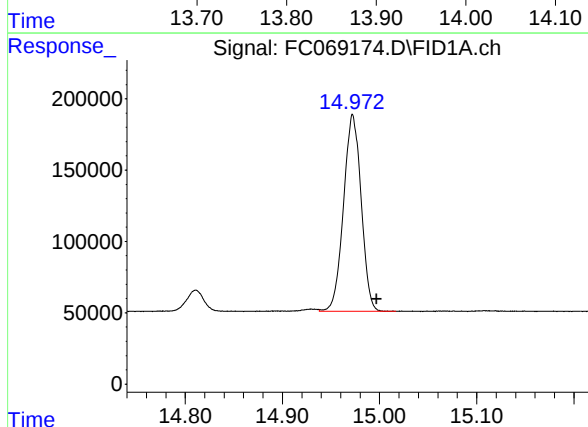
#13 n-Docosane (C22)

R.T.: 13.868 min
Delta R.T.: -0.026 min
Response: 1693559
Conc: 17.78 ug/ml

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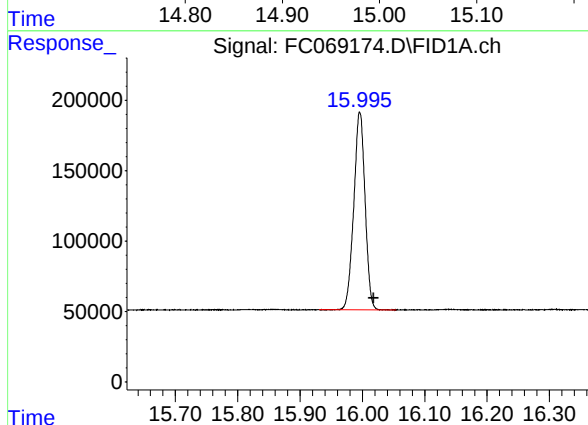
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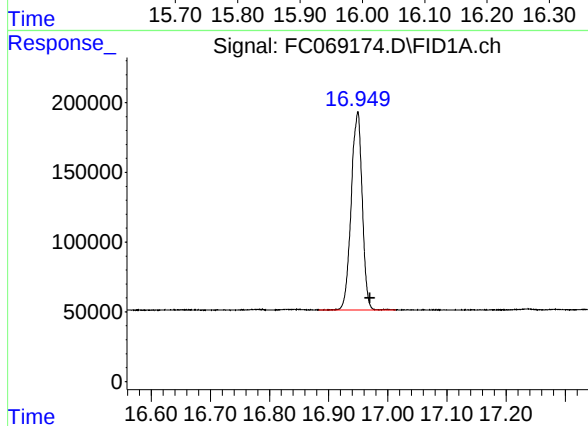
#14 n-Tetracosane (C24)

R.T.: 14.972 min
Delta R.T.: -0.025 min
Response: 1738131
Conc: 18.46 ug/ml m



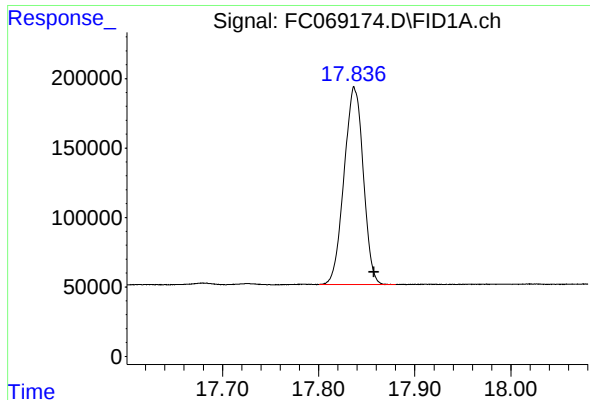
#15 n-Hexacosane (C26)

R.T.: 15.996 min
Delta R.T.: -0.023 min
Response: 1771617
Conc: 19.08 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.949 min
Delta R.T.: -0.021 min
Response: 1839448
Conc: 19.79 ug/ml



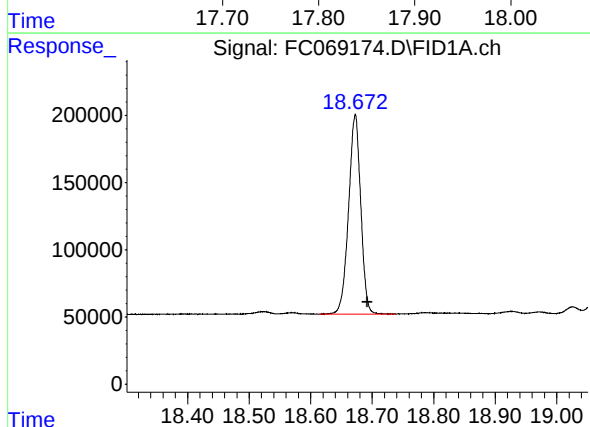
#17 n-Tricontane (C30)

R.T.: 17.837 min
Delta R.T.: -0.020 min
Response: 1976695
Conc: 20.43 ug/ml

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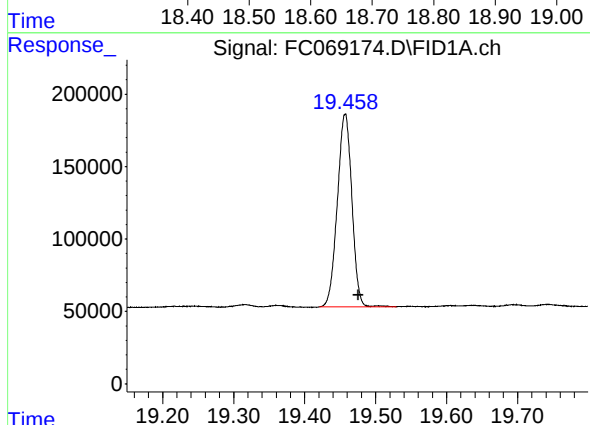
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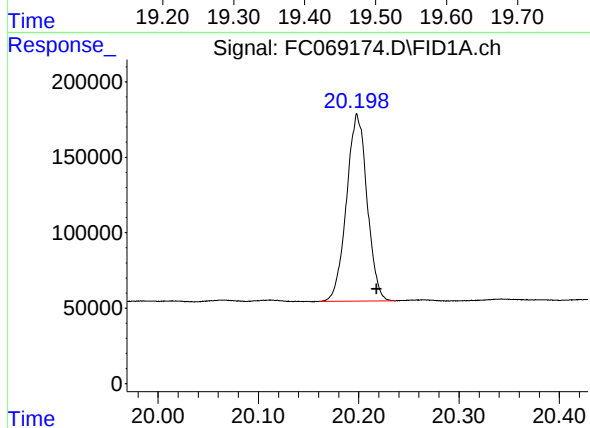
#18 n-Dotriacontane (C32)

R.T.: 18.672 min
Delta R.T.: -0.020 min
Response: 2045665
Conc: 20.64 ug/ml



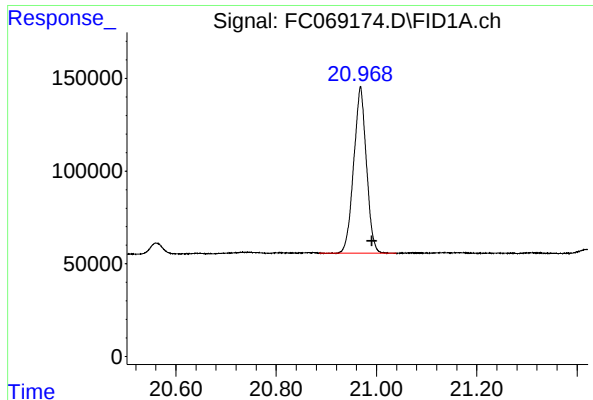
#19 n-Tetratriacontane (C34)

R.T.: 19.457 min
Delta R.T.: -0.019 min
Response: 1896905
Conc: 19.68 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.199 min
Delta R.T.: -0.019 min
Response: 1764895
Conc: 18.59 ug/ml



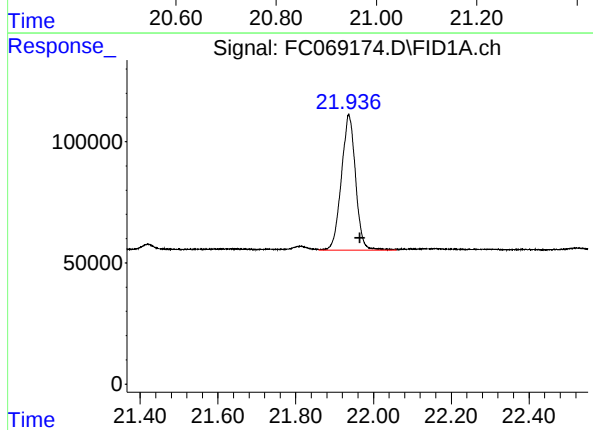
#21 n-Octatriacontane (C38)

R.T.: 20.968 min
Delta R.T.: -0.023 min
Response: 1575399
Conc: 17.27 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.936 min
Delta R.T.: -0.029 min
Response: 1427551
Conc: 16.18 ug/ml m