

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020725AL\
 Data File : FC068240.D
 Signal(s) : FID1A.ch
 Acq On : 07 Feb 2025 19:09
 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 02/10/2025
 Supervised By :Ankita Jodhani 02/10/2025

Integration File: autoint1.e
 Quant Time: Feb 07 22:17:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 04:31:18 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)	11.402	2982697	19.087 ug/ml
Spiked Amount 50.000		Recovery =	38.17%
12) S 1-chlorooctadecane (S...	12.844	2339825	20.346 ug/mlm
Spiked Amount 50.000		Recovery =	40.69%
Target Compounds			
1) T n-Nonane (C9)	3.209	2804026	20.477 ug/ml
2) T n-Decane (C10)	4.267	2839124	20.450 ug/ml
3) T A~Naphthalene (C11.7)	5.834	3078534	20.506 ug/ml
4) T n-Dodecane (C12)	6.275	2805866	20.085 ug/ml
5) T A~2-methylnaphthalene...	6.887	2880784	20.057 ug/ml
6) T n-Tetradecane (C14)	8.064	2699405	19.779 ug/ml
7) T n-Hexadecane (C16)	9.660	2720700	19.581 ug/ml
8) T n-Octadecane (C18)	11.097	2713632	19.395 ug/ml
10) T n-Eicosane (C20)	12.403	2578934	19.274 ug/ml
11) T n-Heneicosane (C21)	13.013	2520076	19.187 ug/ml
13) T n-Docosane (C22)	13.598	2502862	19.322 ug/mlm
14) T n-Tetracosane (C24)	14.699	2485807	19.362 ug/ml
15) T n-Hexacosane (C26)	15.717	2444176	19.423 ug/ml
16) T n-Octacosane (C28)	16.665	2416280	19.319 ug/ml
17) T n-Tricontane (C30)	17.552	2482304	19.205 ug/ml
18) T n-Dotriacontane (C32)	18.381	2399414	19.194 ug/ml
19) T n-Tetratriacontane (C34)	19.165	2119778	19.542 ug/ml
20) T n-Hexatriacontane (C36)	19.905	1843070	19.916 ug/mlm
21) T n-Octatriacontane (C38)	20.618	1773791	20.701 ug/mlm
22) T n-Tetracontane (C40)	21.468	1745919	21.592 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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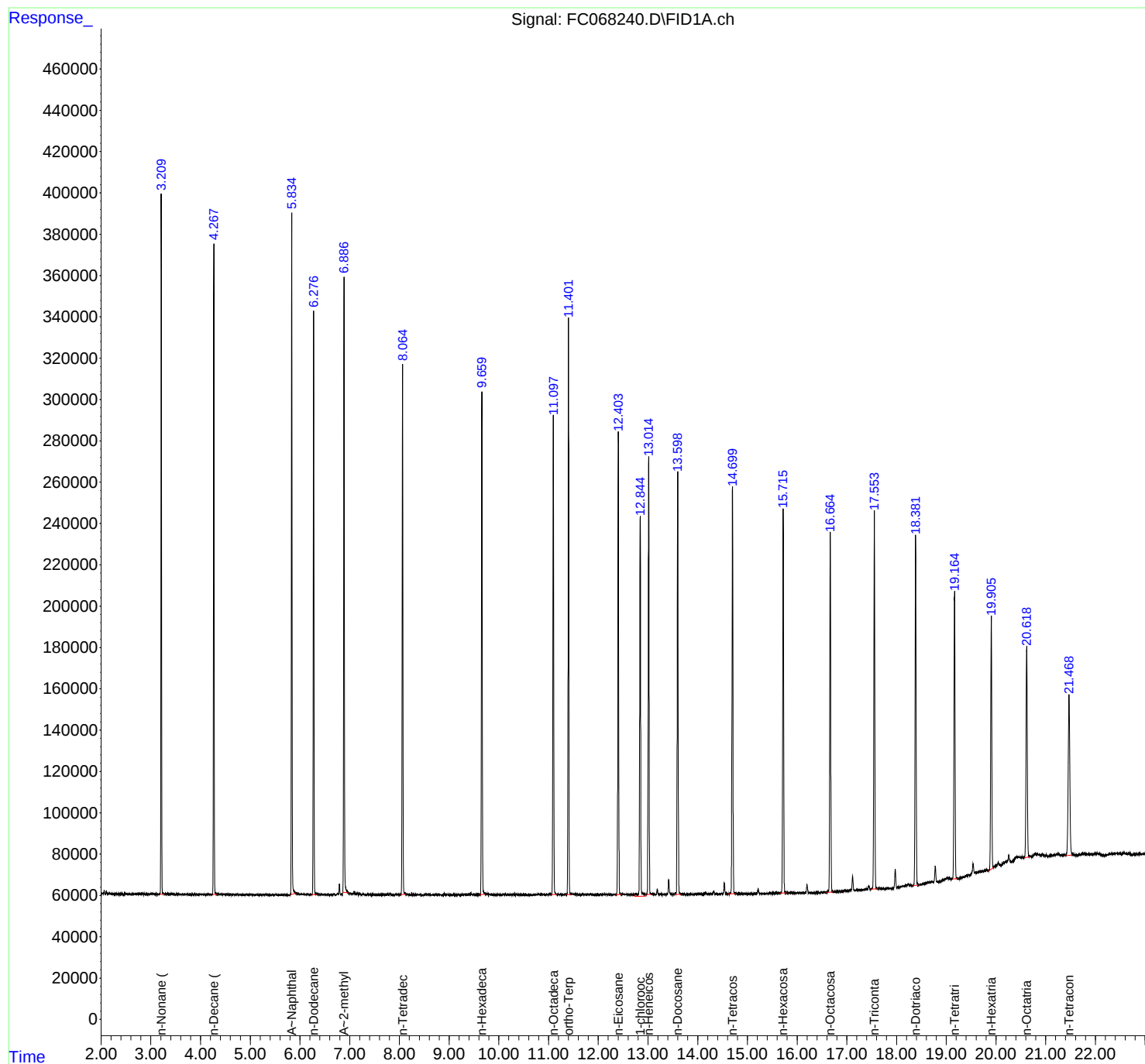
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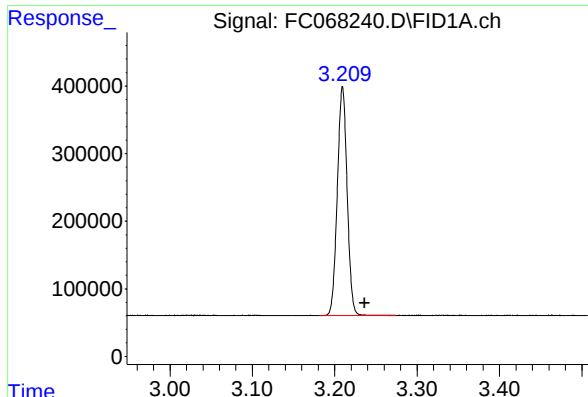
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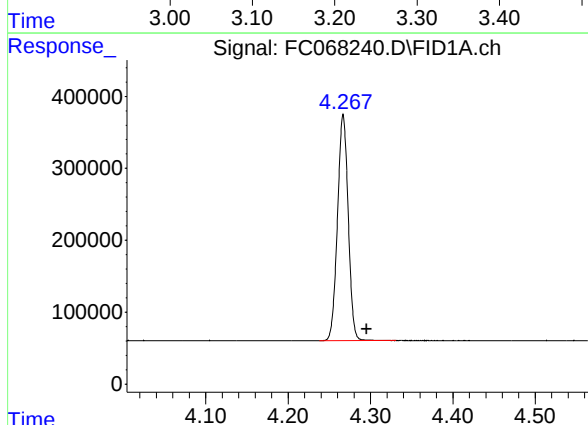
#1 n-Nonane (C9)

R.T.: 3.209 min
Delta R.T.: -0.027 min
Response: 2804026
Conc: 20.48 ug/ml

Instrument :
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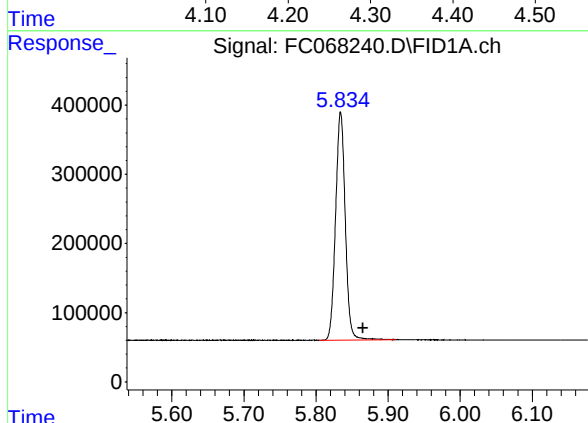
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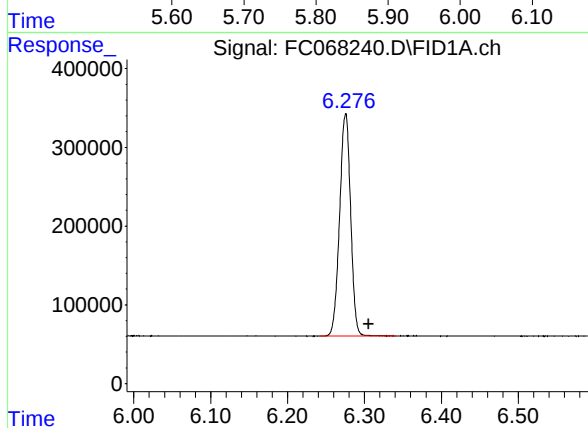
#2 n-Decane (C10)

R.T.: 4.267 min
Delta R.T.: -0.028 min
Response: 2839124
Conc: 20.45 ug/ml



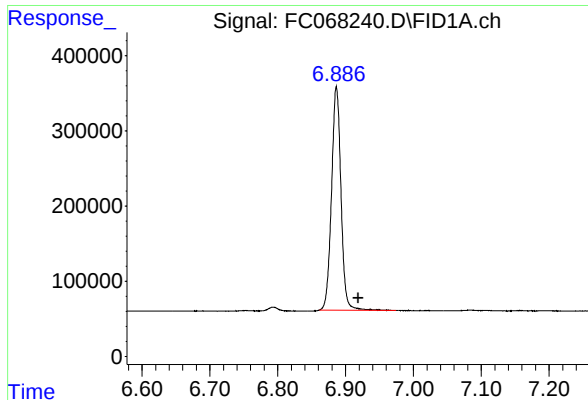
#3 A~Naphthalene (C11.7)

R.T.: 5.834 min
Delta R.T.: -0.031 min
Response: 3078534
Conc: 20.51 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.275 min
Delta R.T.: -0.030 min
Response: 2805866
Conc: 20.09 ug/ml



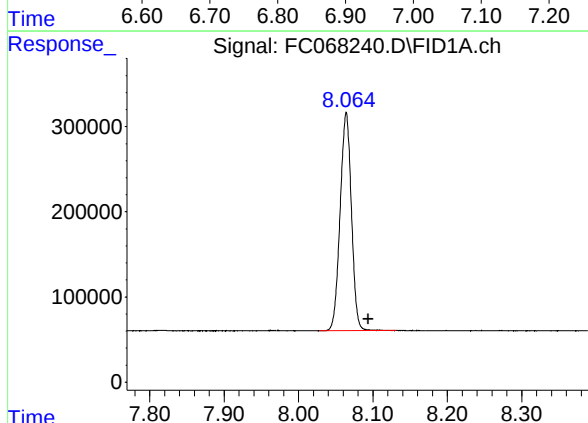
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.887 min
Delta R.T.: -0.033 min
Response: 2880784
Conc: 20.06 ug/ml

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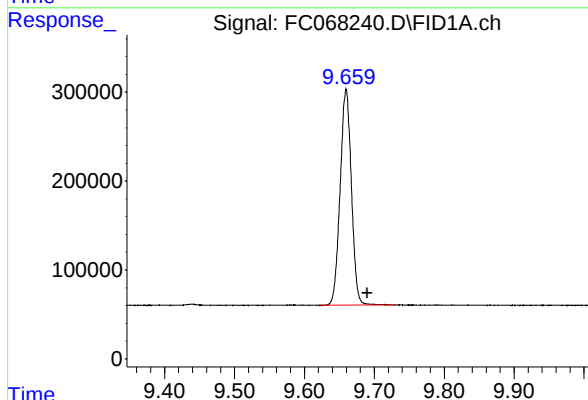
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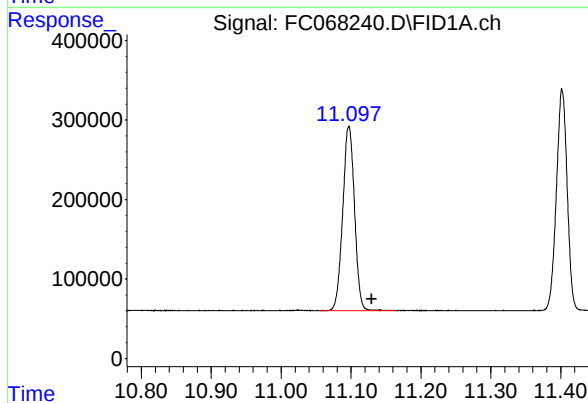
#6 n-Tetradecane (C14)

R.T.: 8.064 min
Delta R.T.: -0.030 min
Response: 2699405
Conc: 19.78 ug/ml



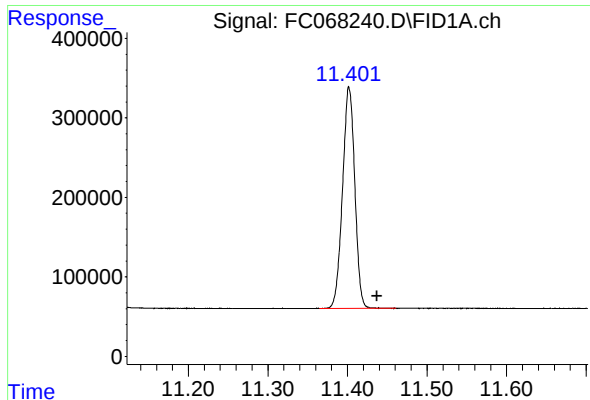
#7 n-Hexadecane (C16)

R.T.: 9.660 min
Delta R.T.: -0.030 min
Response: 2720700
Conc: 19.58 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.097 min
Delta R.T.: -0.033 min
Response: 2713632
Conc: 19.39 ug/ml



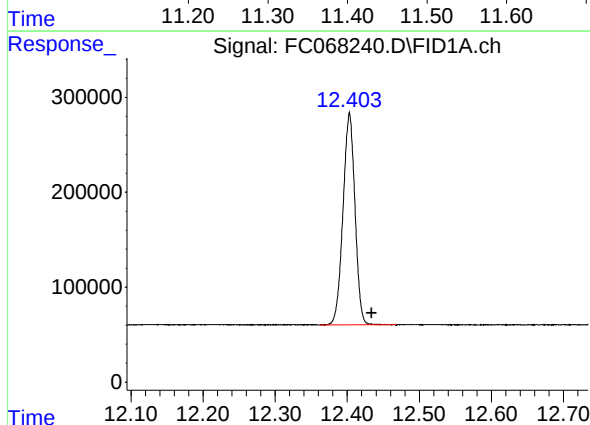
#9 ortho-Terphenyl (SURR)

R.T.: 11.402 min
Delta R.T.: -0.035 min
Response: 2982697
Conc: 19.09 ug/ml

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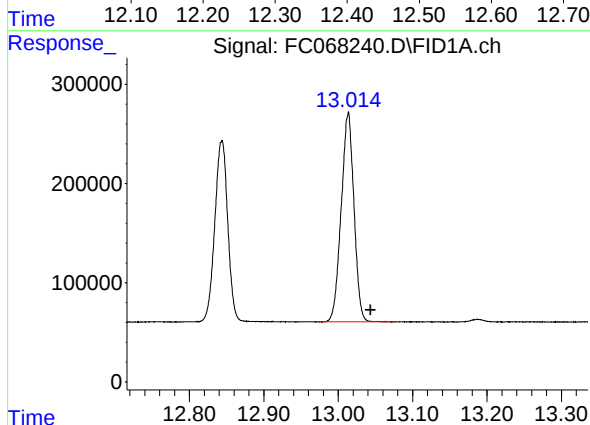
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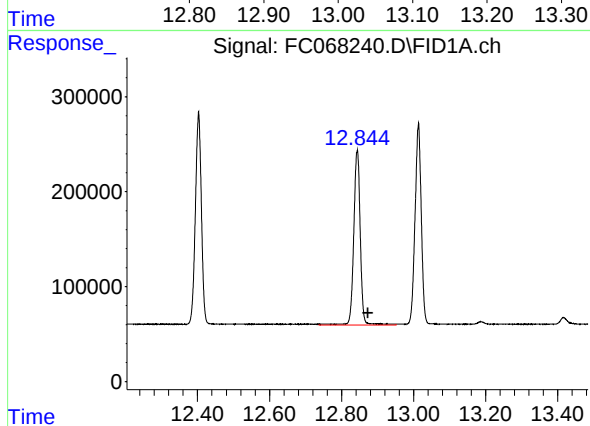
#10 n-Eicosane (C20)

R.T.: 12.403 min
Delta R.T.: -0.031 min
Response: 2578934
Conc: 19.27 ug/ml



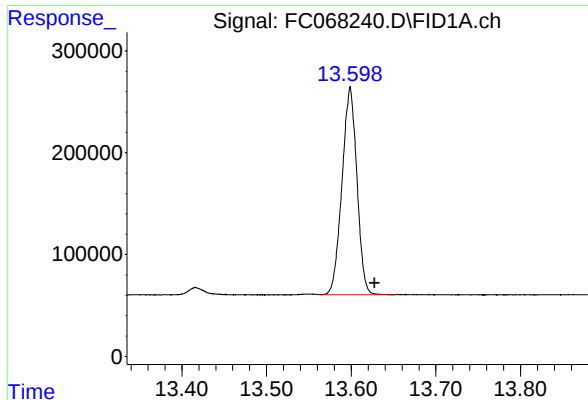
#11 n-Heneicosane (C21)

R.T.: 13.013 min
Delta R.T.: -0.030 min
Response: 2520076
Conc: 19.19 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.844 min
Delta R.T.: -0.030 min
Response: 2339825
Conc: 20.35 ug/ml m



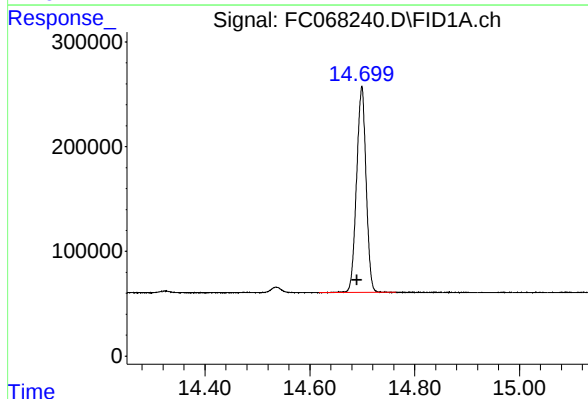
#13 n-Docosane (C22)

R.T.: 13.598 min
Delta R.T.: -0.030 min
Response: 2502862
Conc: 19.32 ug/ml

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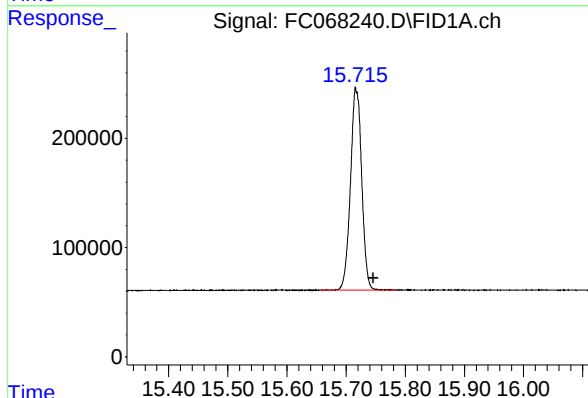
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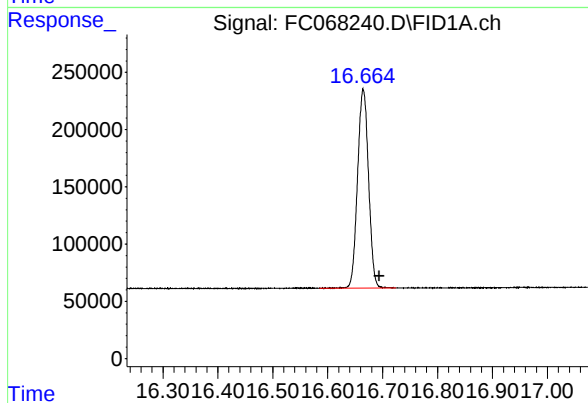
#14 n-Tetracosane (C24)

R.T.: 14.699 min
Delta R.T.: 0.009 min
Response: 2485807
Conc: 19.36 ug/ml



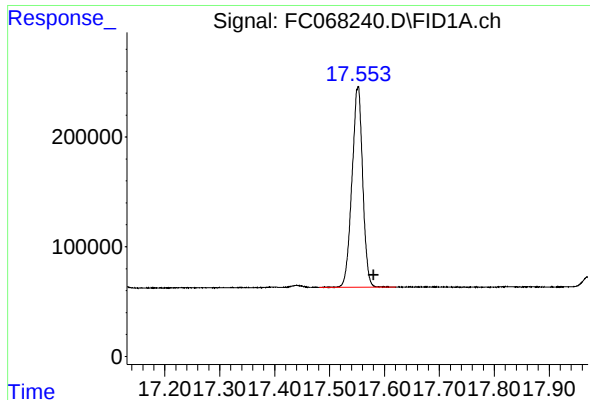
#15 n-Hexacosane (C26)

R.T.: 15.717 min
Delta R.T.: -0.029 min
Response: 2444176
Conc: 19.42 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.665 min
Delta R.T.: -0.029 min
Response: 2416280
Conc: 19.32 ug/ml



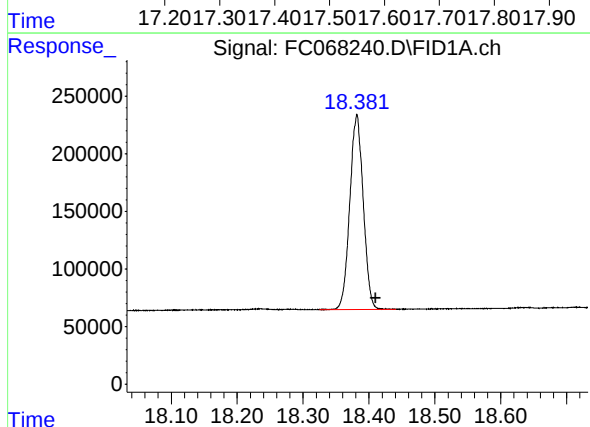
#17 n-Tricontane (C30)

R.T.: 17.552 min
Delta R.T.: -0.029 min
Response: 2482304
Conc: 19.20 ug/ml

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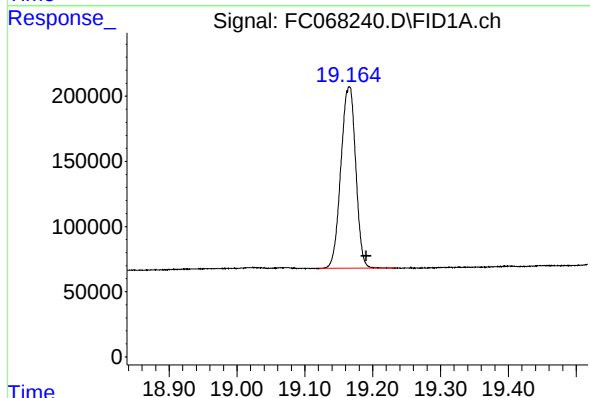
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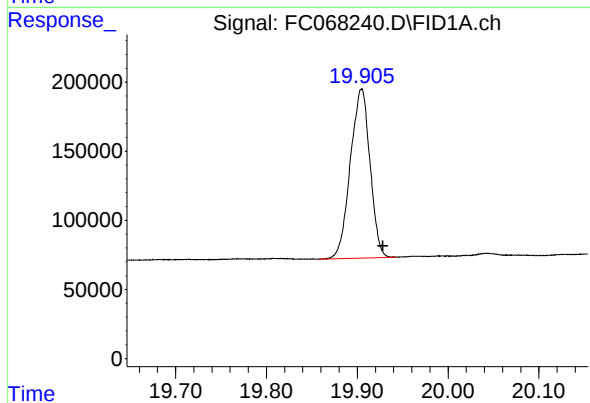
#18 n-Dotriacontane (C32)

R.T.: 18.381 min
Delta R.T.: -0.029 min
Response: 2399414
Conc: 19.19 ug/ml



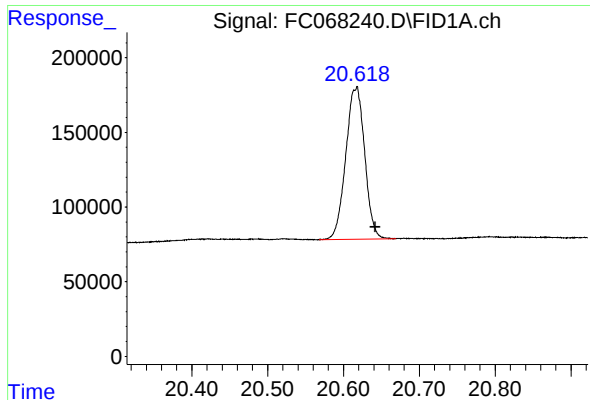
#19 n-Tetratriacontane (C34)

R.T.: 19.165 min
Delta R.T.: -0.026 min
Response: 2119778
Conc: 19.54 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.905 min
Delta R.T.: -0.023 min
Response: 1843070
Conc: 19.92 ug/ml m



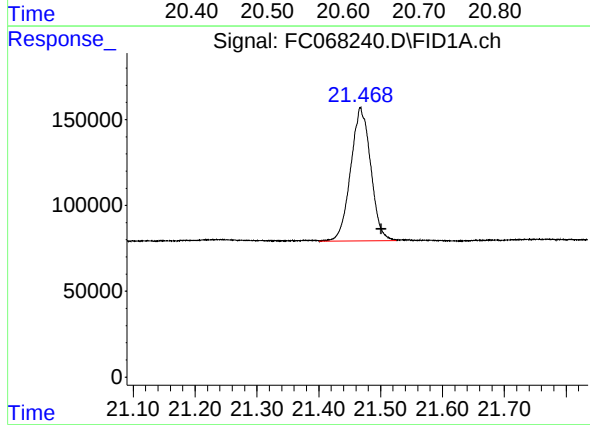
#21 n-Octatriacontane (C38)

R.T.: 20.618 min
Delta R.T.: -0.024 min
Response: 1773791
Conc: 20.70 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.468 min
Delta R.T.: -0.033 min
Response: 1745919
Conc: 21.59 ug/ml m