

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020525AL\
 Data File : FC068204.D
 Signal(s) : FID1A.ch
 Acq On : 05 Feb 2025 20:48
 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 02/06/2025
 Supervised By :Ankita Jodhani 02/06/2025

Integration File: autoint1.e
 Quant Time: Feb 06 04:15:49 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)	11.405	3132699	20.047 ug/ml
Spiked Amount 50.000		Recovery =	40.09%
12) S 1-chlorooctadecane (S...	12.846	2329568	20.257 ug/ml
Spiked Amount 50.000		Recovery =	40.51%
Target Compounds			
1) T n-Nonane (C9)	3.211	2891515	21.116 ug/ml
2) T n-Decane (C10)	4.269	2938719	21.167 ug/ml
3) T A~Naphthalene (C11.7)	5.837	3212215	21.397 ug/ml
4) T n-Dodecane (C12)	6.278	2929806	20.972 ug/ml
5) T A~2-methylnaphthalene...	6.889	3047950	21.220 ug/ml
6) T n-Tetradecane (C14)	8.066	2838228	20.796 ug/ml
7) T n-Hexadecane (C16)	9.662	2861018	20.591 ug/ml
8) T n-Octadecane (C18)	11.100	2851041	20.377 ug/ml
10) T n-Eicosane (C20)	12.406	2710717	20.259 ug/ml
11) T n-Heneicosane (C21)	13.016	2648660	20.166 ug/ml
13) T n-Docosane (C22)	13.600	2624856	20.264 ug/mlm
14) T n-Tetracosane (C24)	14.701	2594061	20.205 ug/ml
15) T n-Hexacosane (C26)	15.720	2536221	20.155 ug/ml
16) T n-Octacosane (C28)	16.668	2485025	19.869 ug/ml
17) T n-Tricontane (C30)	17.553	2520724	19.502 ug/ml
18) T n-Dotriacontane (C32)	18.386	2431577	19.451 ug/ml
19) T n-Tetratriacontane (C34)	19.167	2151922	19.838 ug/ml
20) T n-Hexatriacontane (C36)	19.905	1874092	20.251 ug/ml
21) T n-Octatriacontane (C38)	20.618	1835250	21.418 ug/mlm
22) T n-Tetracontane (C40)	21.469	1861059	23.016 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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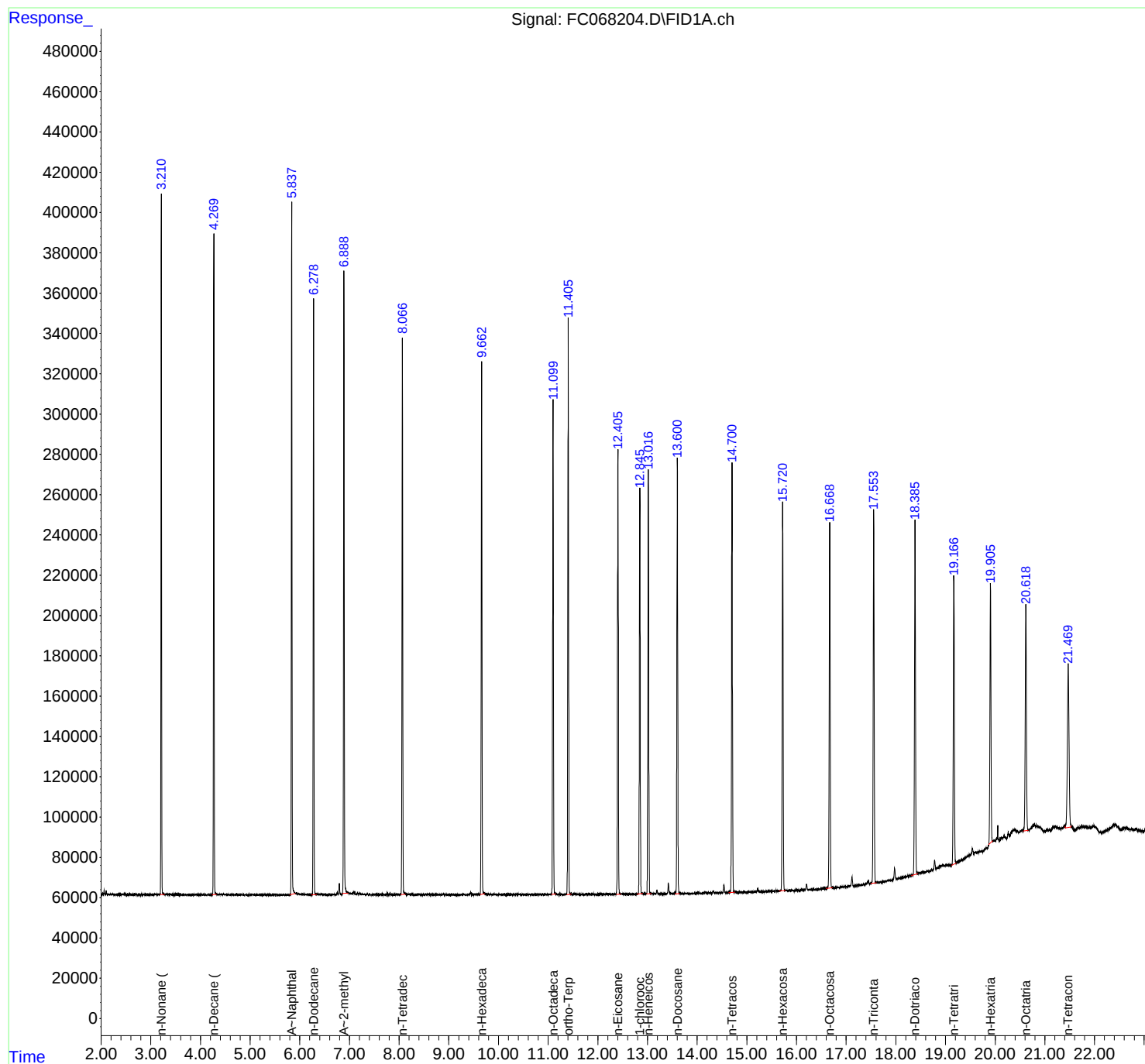
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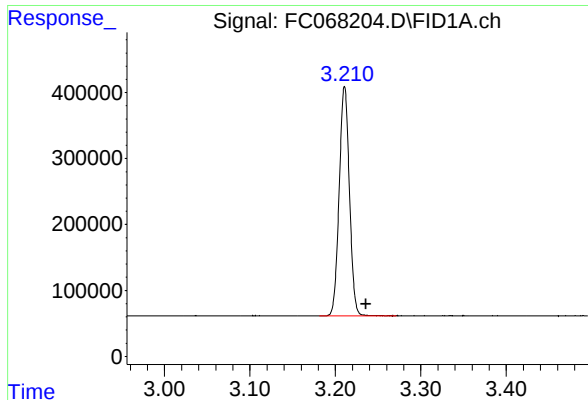
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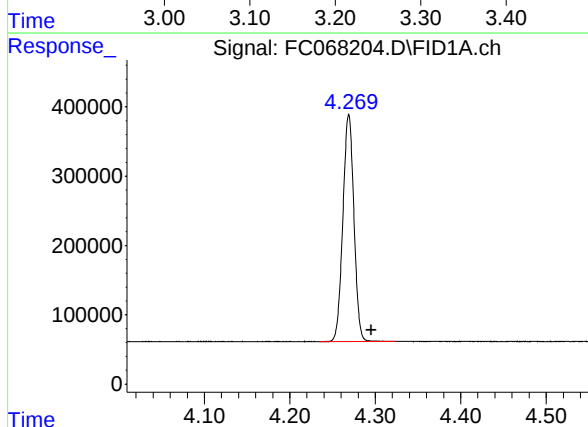
#1 n-Nonane (C9)

R.T.: 3.211 min
Delta R.T.: -0.025 min
Response: 2891515
Conc: 21.12 ug/ml

Instrument : FID_C
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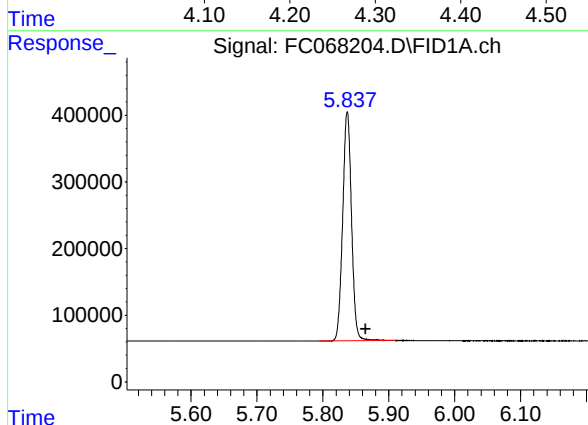
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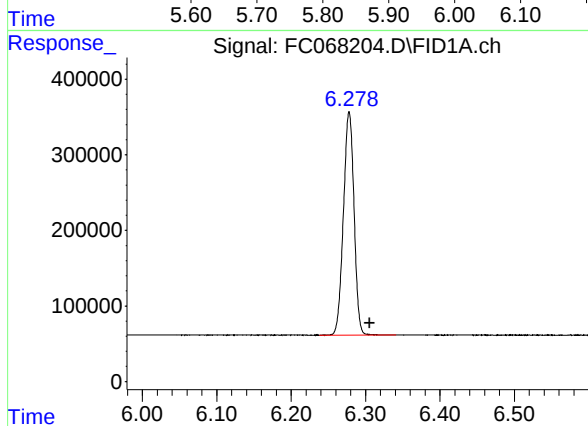
#2 n-Decane (C10)

R.T.: 4.269 min
Delta R.T.: -0.026 min
Response: 2938719
Conc: 21.17 ug/ml



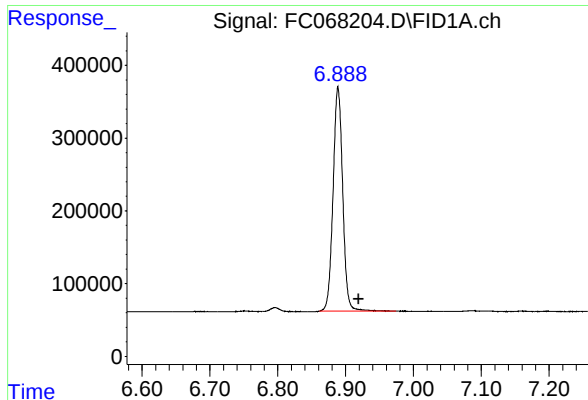
#3 A~Naphthalene (C11.7)

R.T.: 5.837 min
Delta R.T.: -0.028 min
Response: 3212215
Conc: 21.40 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.278 min
Delta R.T.: -0.028 min
Response: 2929806
Conc: 20.97 ug/ml



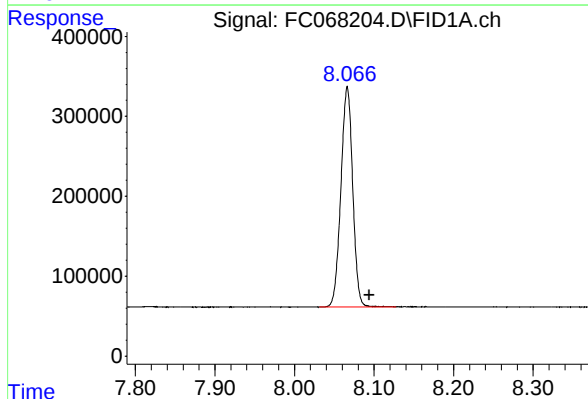
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.889 min
Delta R.T.: -0.030 min
Response: 3047950
Conc: 21.22 ug/ml

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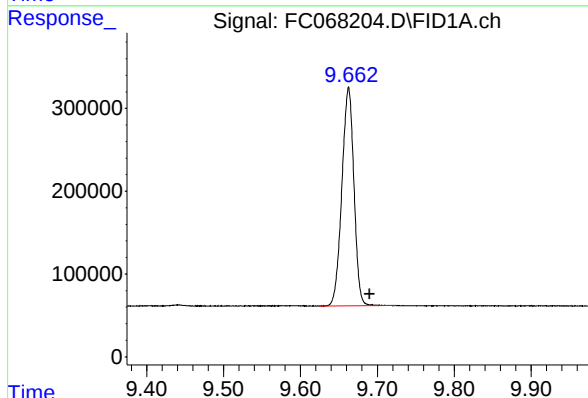
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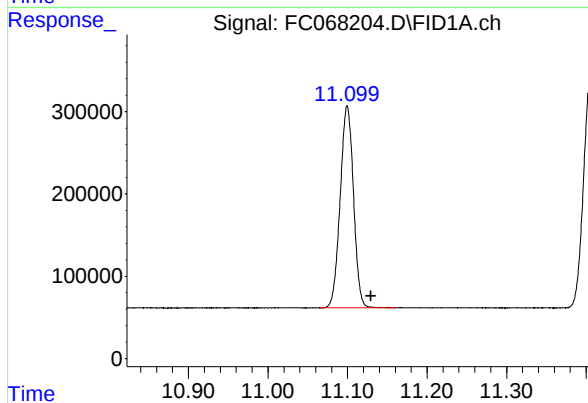
#6 n-Tetradecane (C14)

R.T.: 8.066 min
Delta R.T.: -0.028 min
Response: 2838228
Conc: 20.80 ug/ml



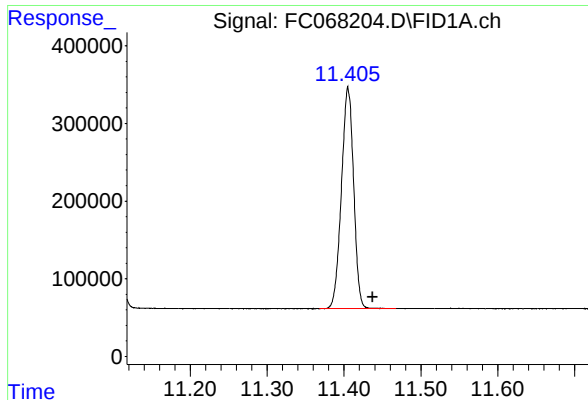
#7 n-Hexadecane (C16)

R.T.: 9.662 min
Delta R.T.: -0.028 min
Response: 2861018
Conc: 20.59 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.100 min
Delta R.T.: -0.030 min
Response: 2851041
Conc: 20.38 ug/ml



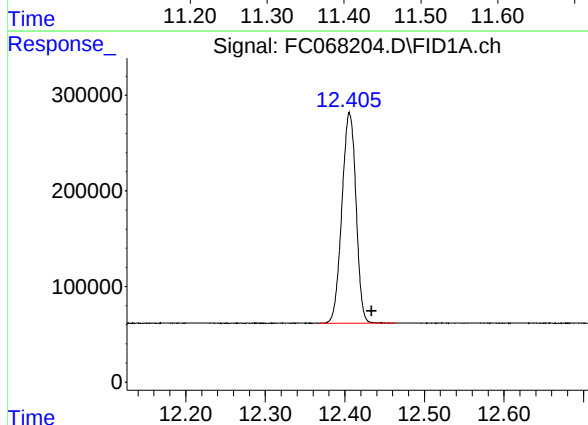
#9 ortho-Terphenyl (SURR)

R.T.: 11.405 min
Delta R.T.: -0.032 min
Response: 3132699
Conc: 20.05 ug/ml

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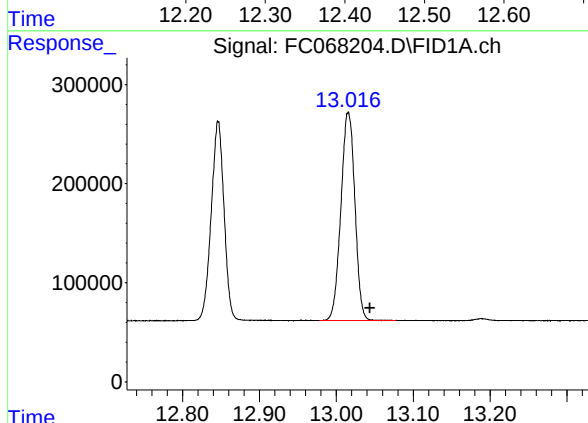
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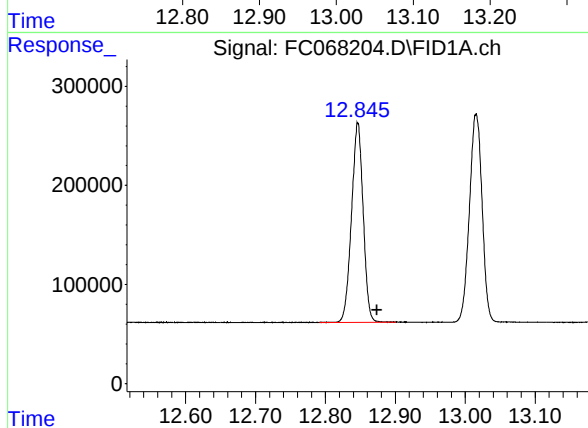
#10 n-Eicosane (C20)

R.T.: 12.406 min
Delta R.T.: -0.028 min
Response: 2710717
Conc: 20.26 ug/ml



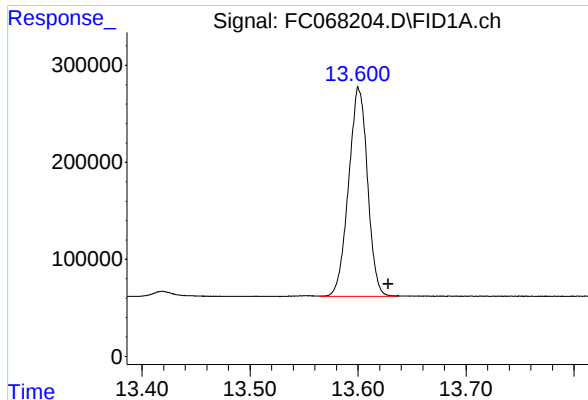
#11 n-Heneicosane (C21)

R.T.: 13.016 min
Delta R.T.: -0.028 min
Response: 2648660
Conc: 20.17 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.846 min
Delta R.T.: -0.028 min
Response: 2329568
Conc: 20.26 ug/ml



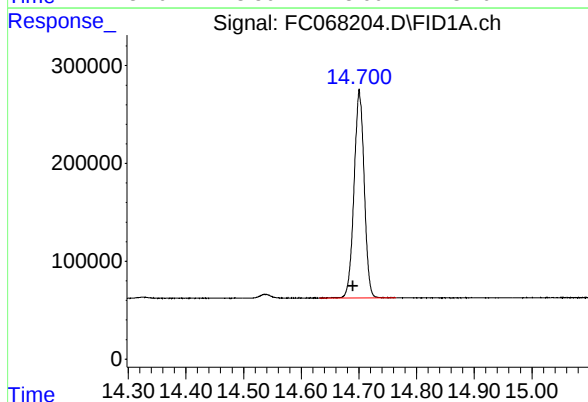
#13 n-Docosane (C22)

R.T.: 13.600 min
Delta R.T.: -0.028 min
Response: 2624856
Conc: 20.26 ug/ml

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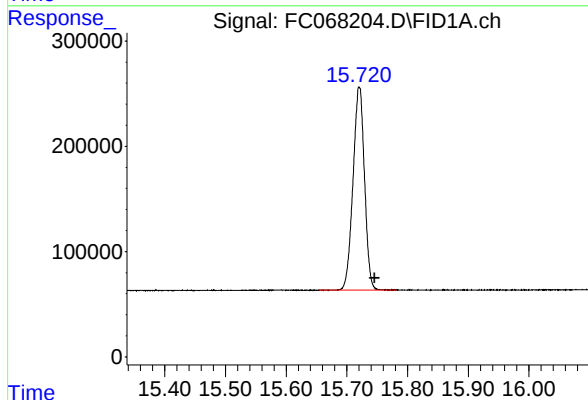
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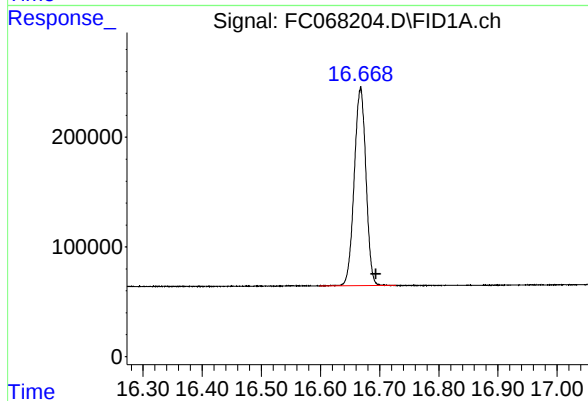
#14 n-Tetracosane (C24)

R.T.: 14.701 min
Delta R.T.: 0.011 min
Response: 2594061
Conc: 20.21 ug/ml



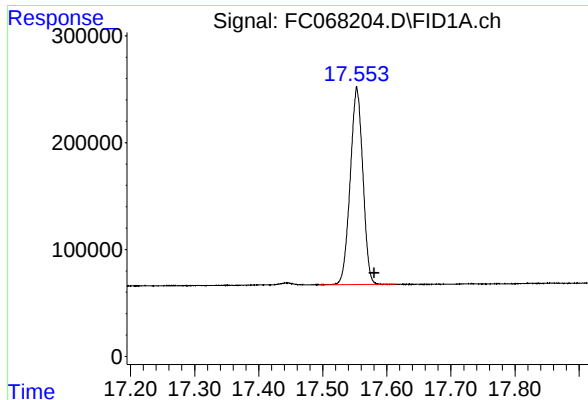
#15 n-Hexacosane (C26)

R.T.: 15.720 min
Delta R.T.: -0.026 min
Response: 2536221
Conc: 20.15 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.668 min
Delta R.T.: -0.026 min
Response: 2485025
Conc: 19.87 ug/ml



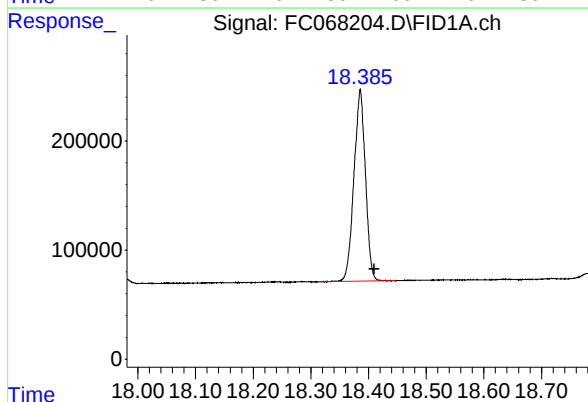
#17 n-Tricontane (C30)

R.T.: 17.553 min
Delta R.T.: -0.027 min
Response: 2520724
Conc: 19.50 ug/ml

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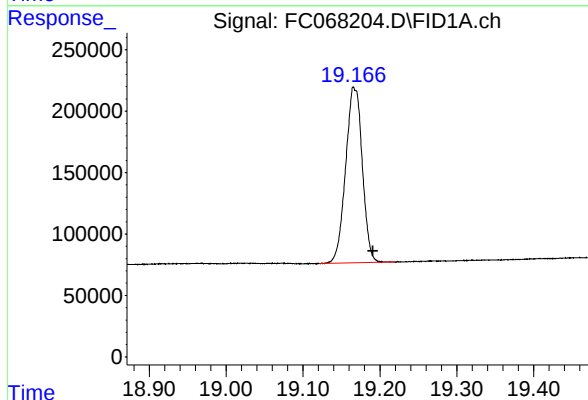
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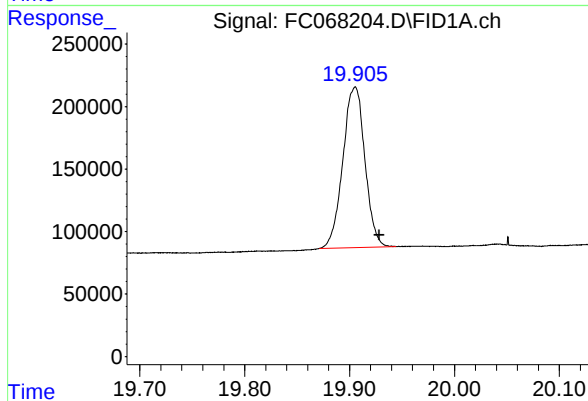
#18 n-Dotriacontane (C32)

R.T.: 18.386 min
Delta R.T.: -0.025 min
Response: 2431577
Conc: 19.45 ug/ml



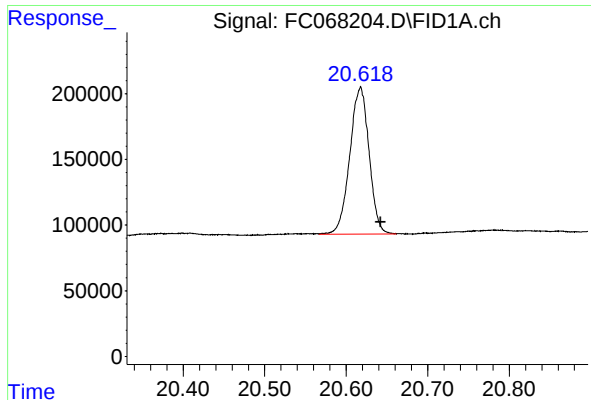
#19 n-Tetatriacontane (C34)

R.T.: 19.167 min
Delta R.T.: -0.024 min
Response: 2151922
Conc: 19.84 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.905 min
Delta R.T.: -0.024 min
Response: 1874092
Conc: 20.25 ug/ml



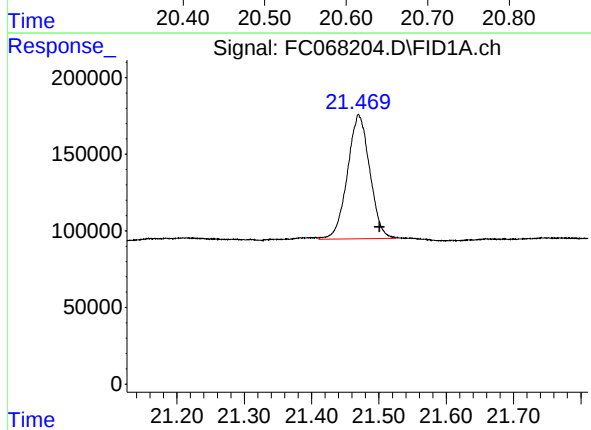
#21 n-Octatriacontane (C38)

R.T.: 20.618 min
Delta R.T.: -0.024 min
Response: 1835250
Conc: 21.42 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.469 min
Delta R.T.: -0.032 min
Response: 1861059
Conc: 23.02 ug/ml m