

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC121124AL\
 Data File : FC067993.D
 Signal(s) : FID1A.ch
 Acq On : 12 Dec 2024 02:11
 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 12/12/2024
 Supervised By :Ankita Jodhani 12/12/2024

Integration File: autoint1.e
 Quant Time: Dec 12 03:35:45 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 10 07:59:10 2024
 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)	11.470	3294895	19.055 ug/ml
Spiked Amount 50.000		Recovery =	38.11%
12) S 1-chlorooctadecane (S...	12.911	2441540	19.135 ug/ml
Spiked Amount 50.000		Recovery =	38.27%
Target Compounds			
1) T n-Nonane (C9)	3.251	2997409	19.292 ug/ml
2) T n-Decane (C10)	4.314	3069961	19.366 ug/ml
3) T A~Naphthalene (C11.7)	5.889	3370623	19.307 ug/ml
4) T n-Dodecane (C12)	6.329	3118186	19.366 ug/ml
5) T A~2-methylnaphthalene...	6.944	3274447	19.543 ug/mlm
6) T n-Tetradecane (C14)	8.121	3085522	19.406 ug/ml
7) T n-Hexadecane (C16)	9.721	3121720	19.323 ug/ml
8) T n-Octadecane (C18)	11.161	3079638	19.183 ug/ml
10) T n-Eicosane (C20)	12.468	2885146	19.179 ug/ml
11) T n-Heneicosane (C21)	13.079	2795993	19.135 ug/ml
13) T n-Docosane (C22)	13.665	2744719	19.174 ug/ml
14) T n-Tetracosane (C24)	14.765	2688567	19.349 ug/ml
15) T n-Hexacosane (C26)	15.786	2606252	19.489 ug/ml
16) T n-Octacosane (C28)	16.735	2564885	19.774 ug/ml
17) T n-Tricontane (C30)	17.621	2646280	20.428 ug/ml
18) T n-Dotriacontane (C32)	18.453	2591411	20.918 ug/ml
19) T n-Tetratriacontane (C34)	19.236	2248664	20.602 ug/ml
20) T n-Hexatriacontane (C36)	19.973	1944054	20.548 ug/ml
21) T n-Octatriacontane (C38)	20.693	1872987	20.705 ug/ml
22) T n-Tetracontane (C40)	21.573	1789265	20.301 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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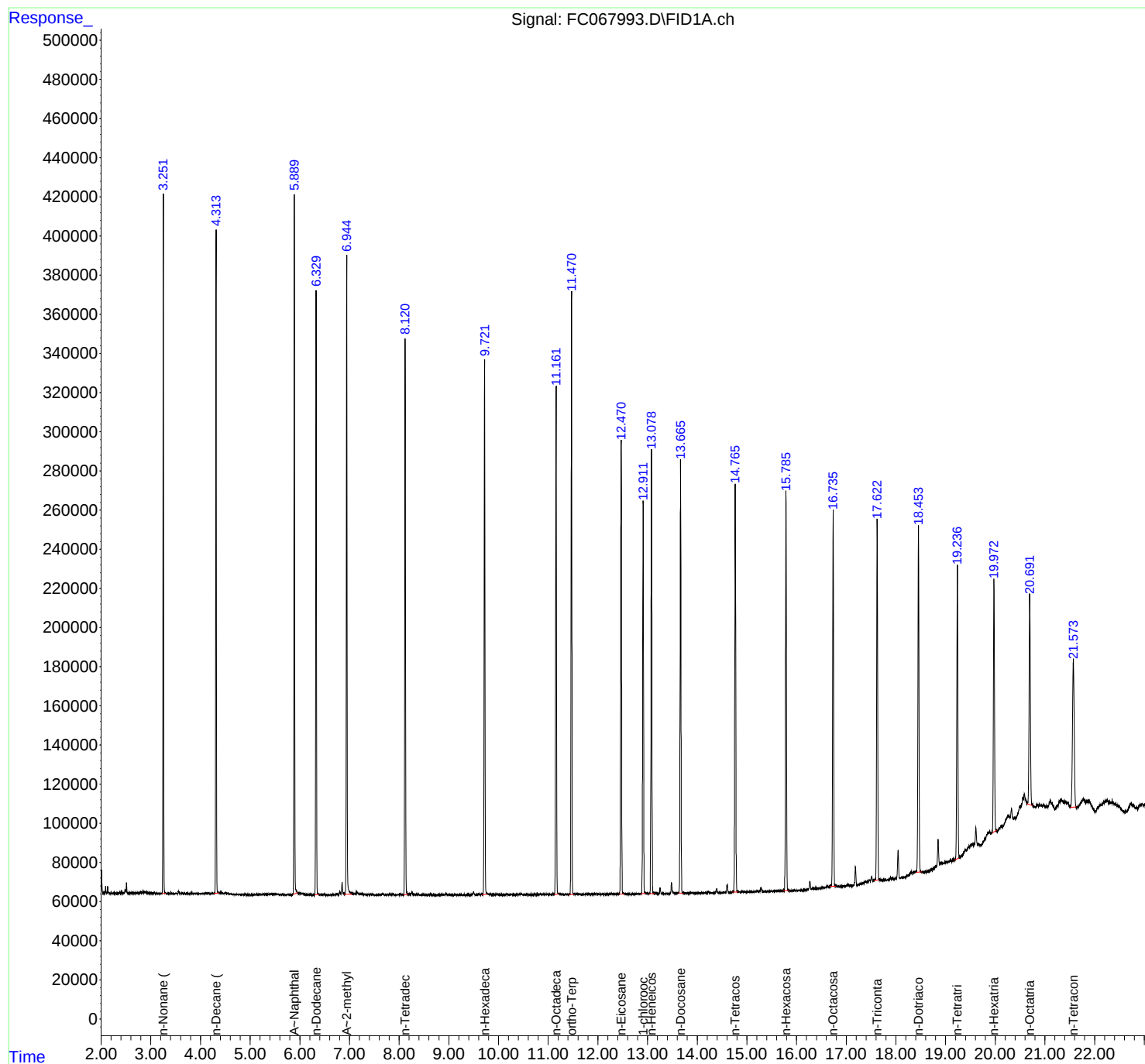
Instrument :
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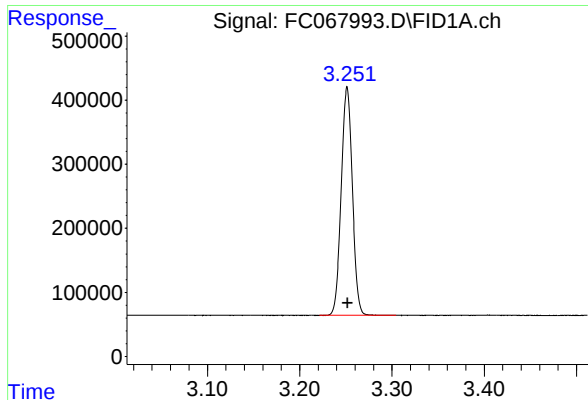
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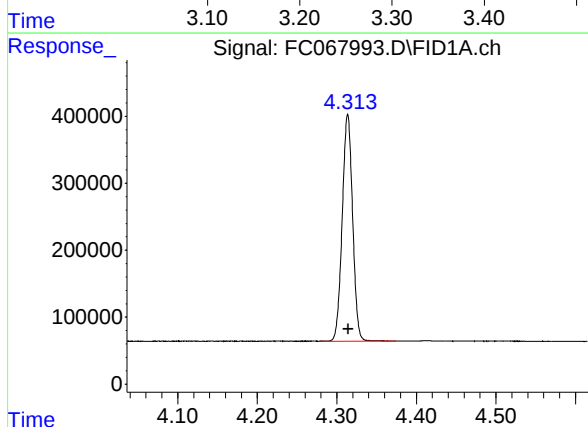
#1 n-Nonane (C9)

R.T.: 3.251 min
Delta R.T.: 0.000 min
Response: 2997409
Conc: 19.29 ug/ml

Instrument : FID_C
ClientSampleId : 20 PPM ALIPHATIC HC STD

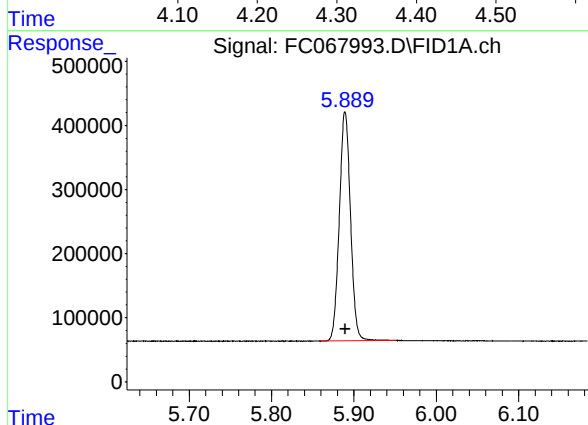
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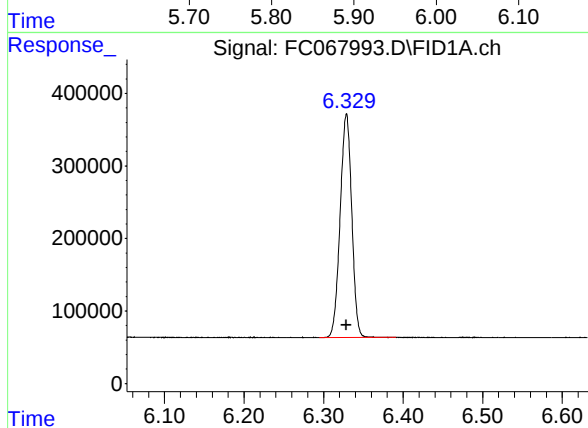
#2 n-Decane (C10)

R.T.: 4.314 min
Delta R.T.: 0.000 min
Response: 3069961
Conc: 19.37 ug/ml



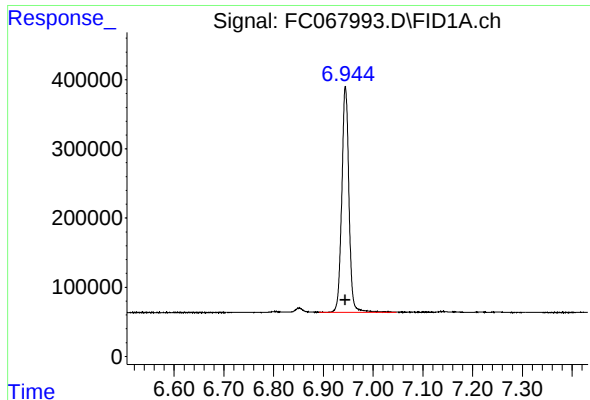
#3 A~Naphthalene (C11.7)

R.T.: 5.889 min
Delta R.T.: 0.000 min
Response: 3370623
Conc: 19.31 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.329 min
Delta R.T.: 0.000 min
Response: 3118186
Conc: 19.37 ug/ml



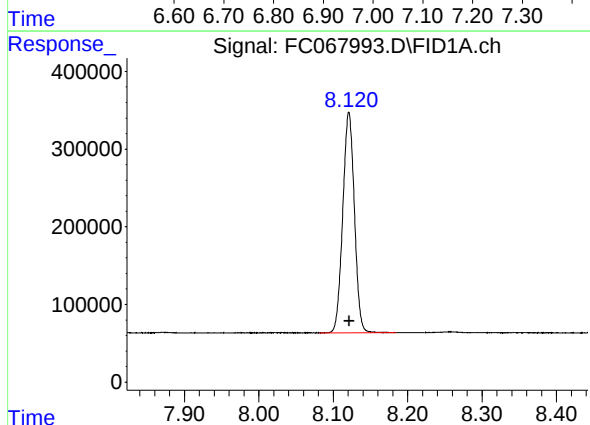
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.944 min
Delta R.T.: 0.000 min
Response: 3274447
Conc: 19.54 ug/ml

Instrument : FID_C
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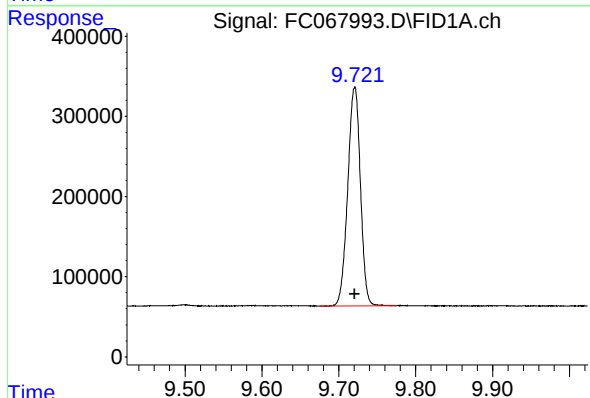
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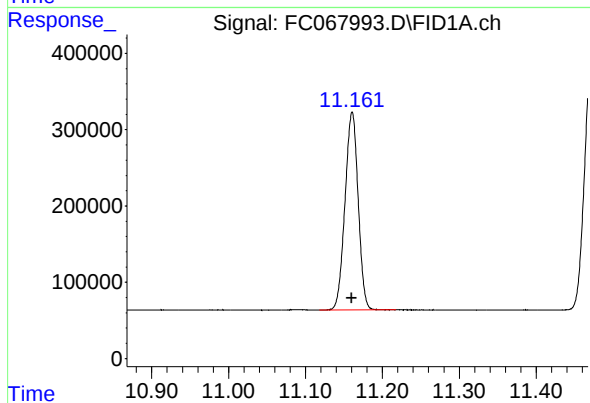
#6 n-Tetradecane (C14)

R.T.: 8.121 min
Delta R.T.: 0.000 min
Response: 3085522
Conc: 19.41 ug/ml



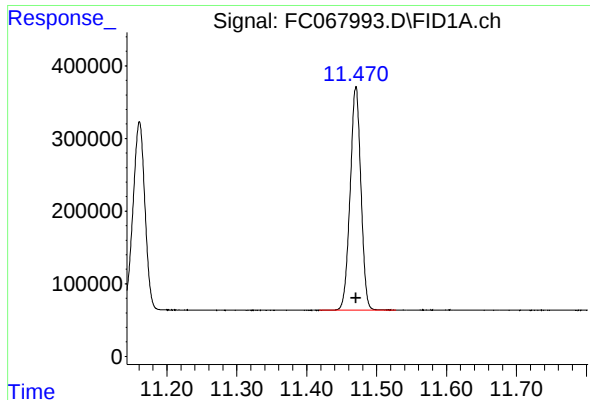
#7 n-Hexadecane (C16)

R.T.: 9.721 min
Delta R.T.: 0.000 min
Response: 3121720
Conc: 19.32 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.161 min
Delta R.T.: 0.000 min
Response: 3079638
Conc: 19.18 ug/ml



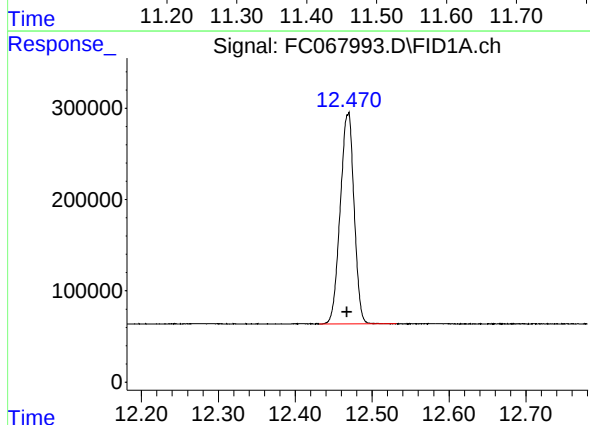
#9 ortho-Terphenyl (SURR)

R.T.: 11.470 min
Delta R.T.: 0.000 min
Response: 3294895
Conc: 19.06 ug/ml

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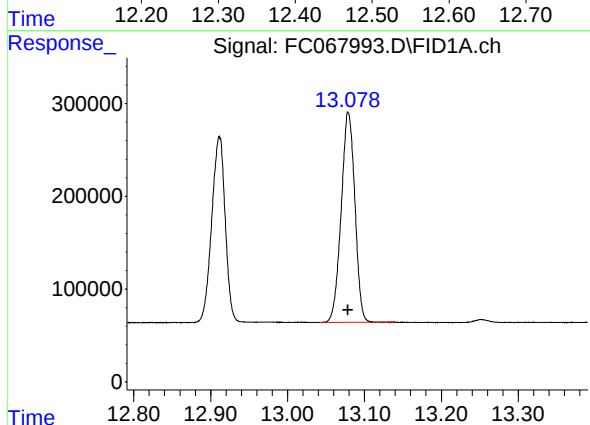
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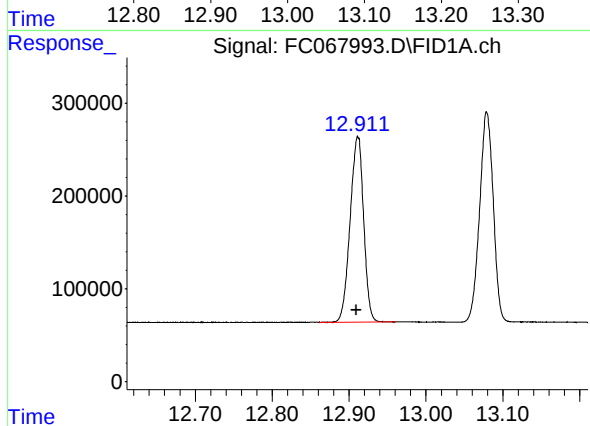
#10 n-Eicosane (C20)

R.T.: 12.468 min
Delta R.T.: 0.000 min
Response: 2885146
Conc: 19.18 ug/ml



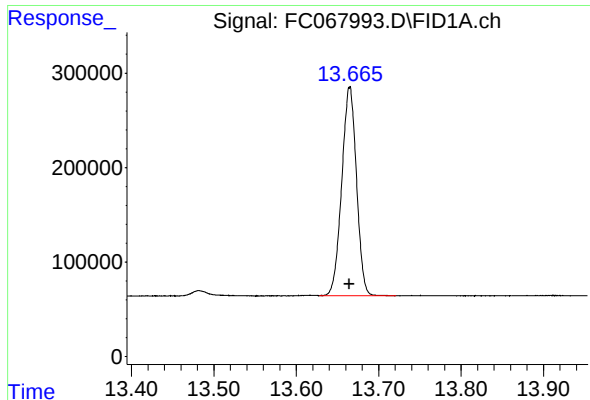
#11 n-Heneicosane (C21)

R.T.: 13.079 min
Delta R.T.: 0.000 min
Response: 2795993
Conc: 19.14 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.911 min
Delta R.T.: 0.002 min
Response: 2441540
Conc: 19.14 ug/ml



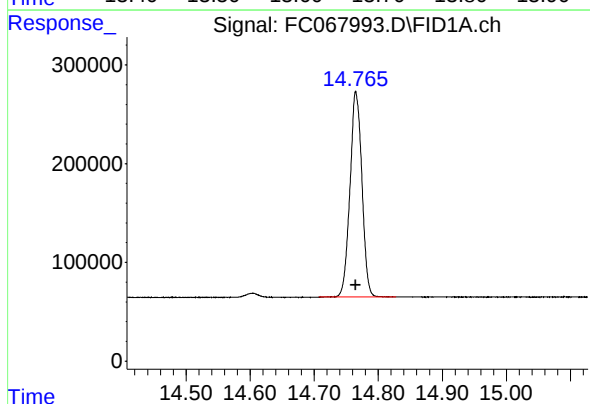
#13 n-Docosane (C22)

R.T.: 13.665 min
Delta R.T.: 0.000 min
Response: 2744719
Conc: 19.17 ug/ml

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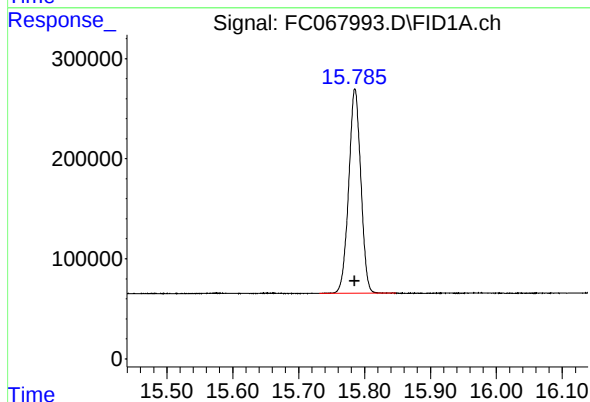
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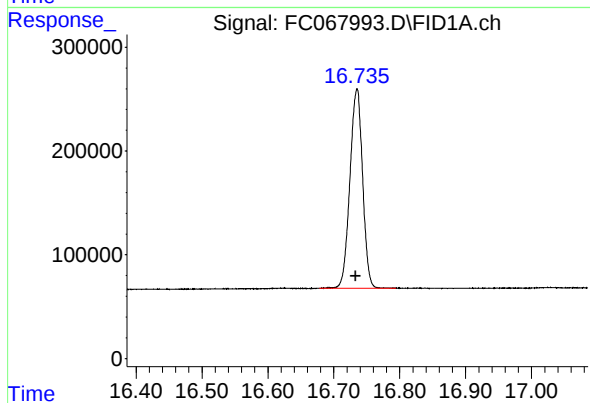
#14 n-Tetracosane (C24)

R.T.: 14.765 min
Delta R.T.: 0.000 min
Response: 2688567
Conc: 19.35 ug/ml



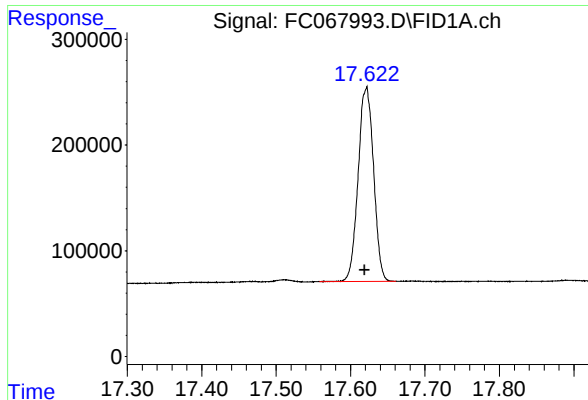
#15 n-Hexacosane (C26)

R.T.: 15.786 min
Delta R.T.: 0.000 min
Response: 2606252
Conc: 19.49 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.735 min
Delta R.T.: 0.002 min
Response: 2564885
Conc: 19.77 ug/ml



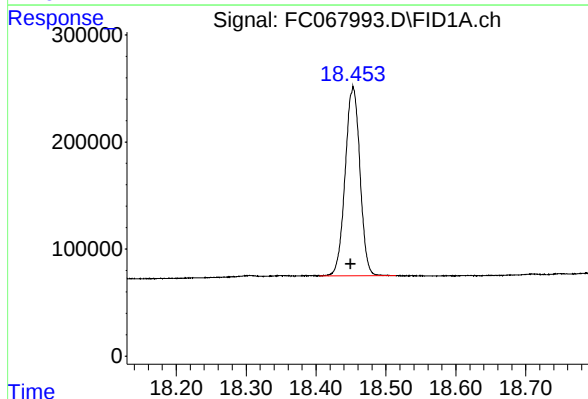
#17 n-Tricontane (C30)

R.T.: 17.621 min
Delta R.T.: 0.002 min
Response: 2646280
Conc: 20.43 ug/ml

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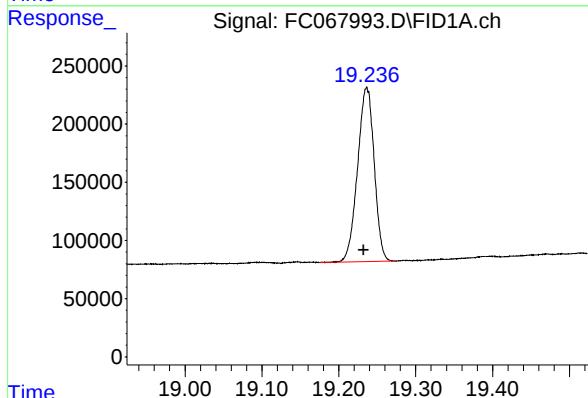
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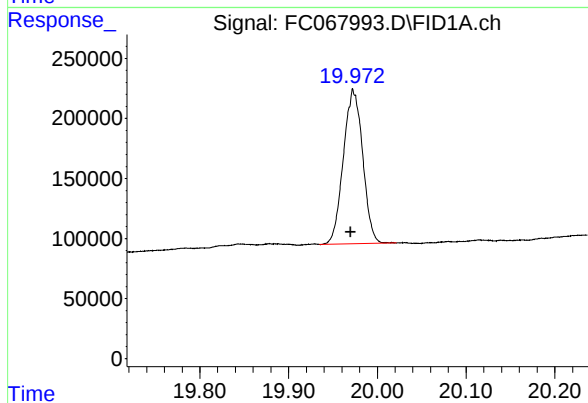
#18 n-Dotriacontane (C32)

R.T.: 18.453 min
Delta R.T.: 0.003 min
Response: 2591411
Conc: 20.92 ug/ml



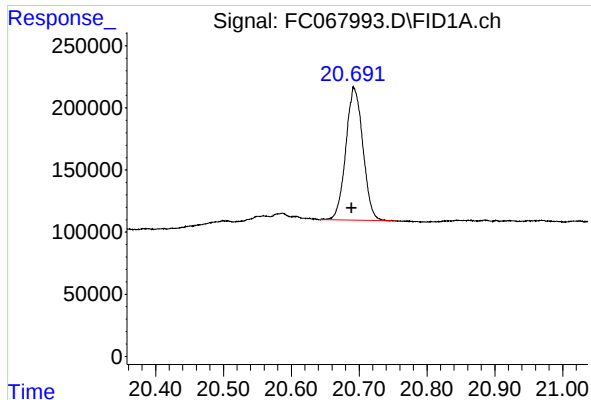
#19 n-Tetratriacontane (C34)

R.T.: 19.236 min
Delta R.T.: 0.004 min
Response: 2248664
Conc: 20.60 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.973 min
Delta R.T.: 0.003 min
Response: 1944054
Conc: 20.55 ug/ml



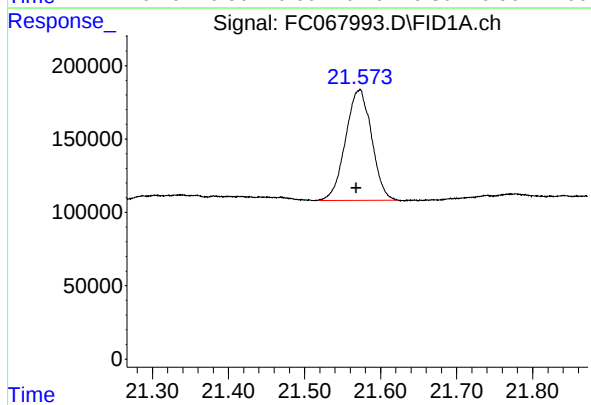
#21 n-Octatriacontane (C38)

R.T.: 20.693 min
Delta R.T.: 0.004 min
Response: 1872987
Conc: 20.70 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.573 min
Delta R.T.: 0.005 min
Response: 1789265
Conc: 20.30 ug/ml m