

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081524AL\
 Data File : FC067014.D
 Signal(s) : FID1A.ch
 Acq On : 15 Aug 2024 20:23
 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 08/16/2024
 Supervised By :Ankita Jodhani 08/16/2024

Integration File: autoint1.e
 Quant Time: Aug 16 02:05:11 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 081224.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 12 15:57:40 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)	11.511	3196461	20.997 ug/ml
Spiked Amount 50.000		Recovery =	41.99%
12) S 1-chlorooctadecane (S...	12.950	2369405	21.870 ug/ml
Spiked Amount 50.000		Recovery =	43.74%
Target Compounds			
1) T n-Nonane (C9)	3.282	2869403	19.524 ug/ml
2) T n-Decane (C10)	4.347	2966709	19.798 ug/ml
3) T A~Naphthalene (C11.7)	5.926	3309234	20.802 ug/ml
4) T n-Dodecane (C12)	6.365	3017725	20.113 ug/ml
5) T A~2-methylnaphthalene...	6.983	3189473	21.208 ug/ml
6) T n-Tetradecane (C14)	8.158	2980017	20.553 ug/ml
7) T n-Hexadecane (C16)	9.758	3050232	20.812 ug/ml
8) T n-Octadecane (C18)	11.199	3026890	20.768 ug/mlm
10) T n-Eicosane (C20)	12.508	2855778	20.853 ug/ml
11) T n-Heneicosane (C21)	13.119	2766213	20.758 ug/ml
13) T n-Docosane (C22)	13.705	2718701	20.632 ug/ml
14) T n-Tetracosane (C24)	14.808	2638450	20.358 ug/ml
15) T n-Hexacosane (C26)	15.828	2524897	19.905 ug/ml
16) T n-Octacosane (C28)	16.777	2432196	19.582 ug/mlm
17) T n-Tricontane (C30)	17.663	2454551	19.532 ug/ml
18) T n-Dotriacontane (C32)	18.495	2402670	19.452 ug/ml
19) T n-Tetratriacontane (C34)	19.279	2294182	19.132 ug/mlm
20) T n-Hexatriacontane (C36)	20.018	2235817	19.802 ug/ml
21) T n-Octatriacontane (C38)	20.742	2182719	20.035 ug/mlm
22) T n-Tetracontane (C40)	21.640	2148231	21.030 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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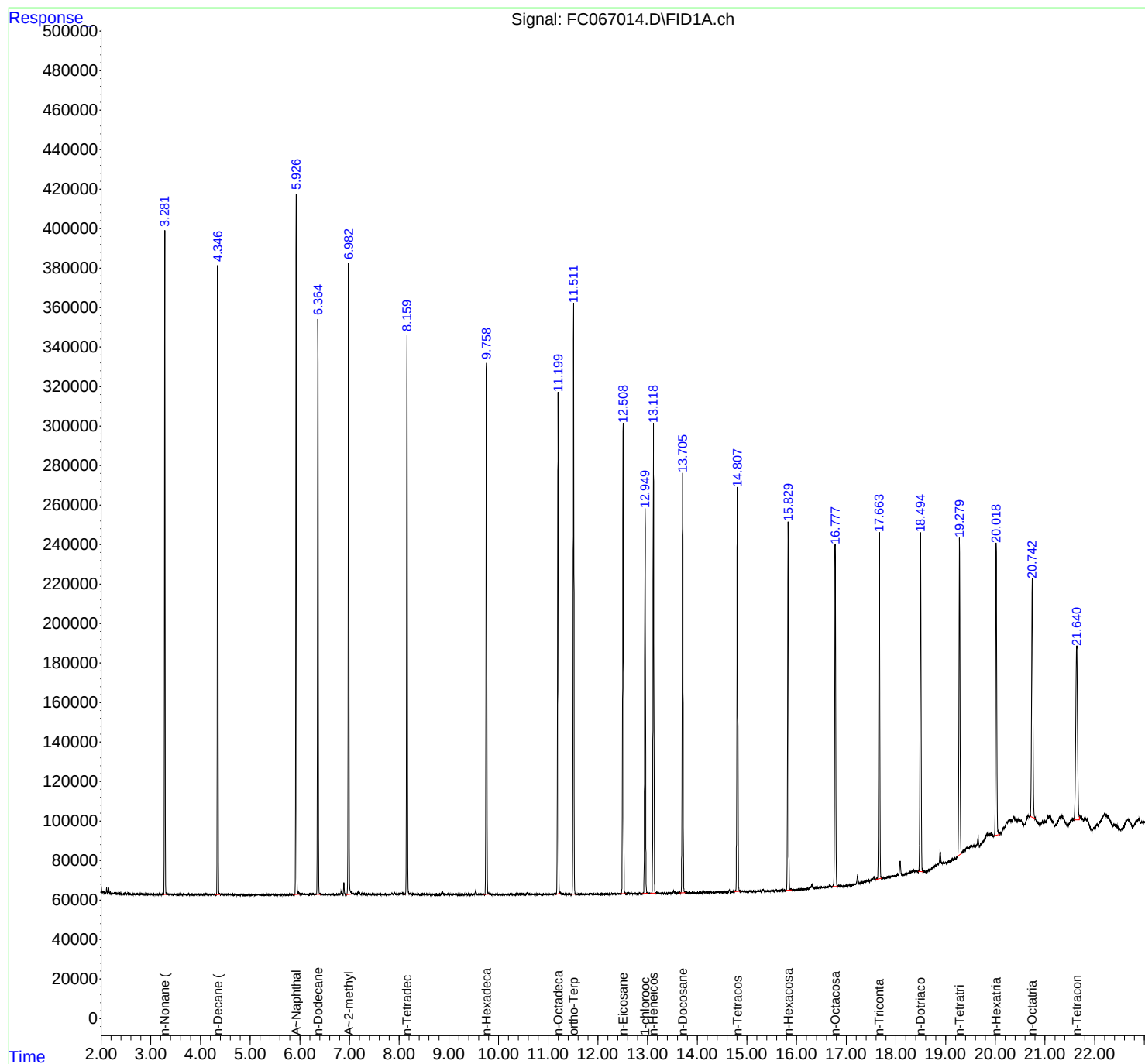
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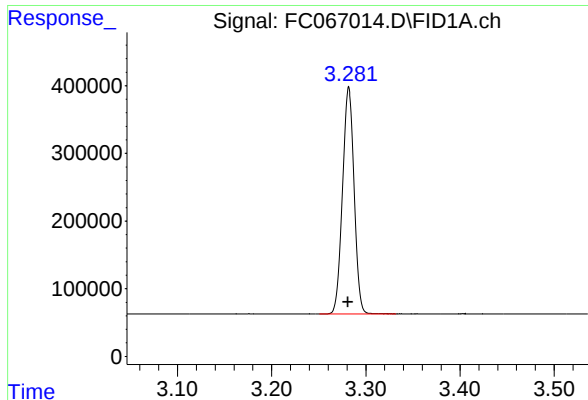
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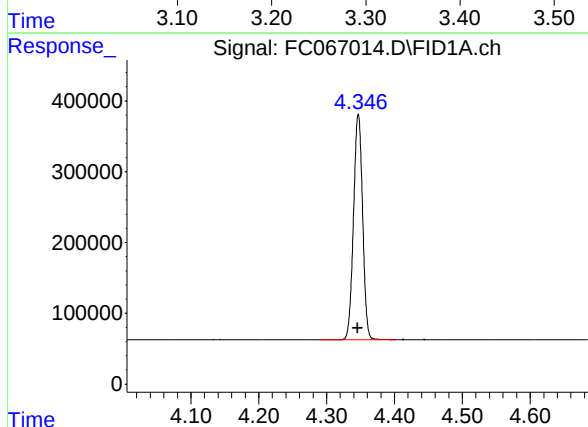
#1 n-Nonane (C9)

R.T.: 3.282 min
Delta R.T.: 0.000 min
Response: 2869403
Conc: 19.52 ug/ml

Instrument :
FID_C
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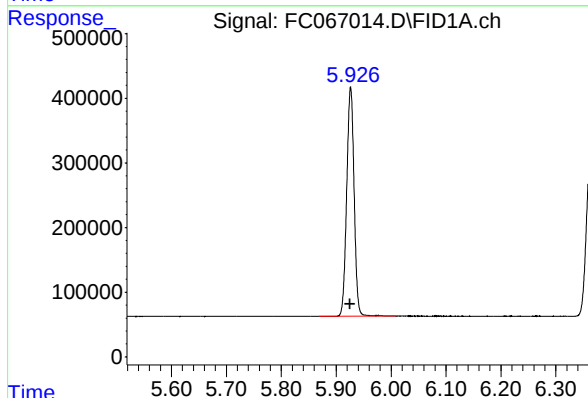
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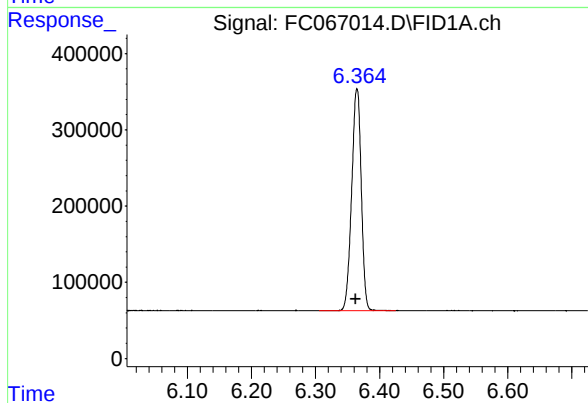
#2 n-Decane (C10)

R.T.: 4.347 min
Delta R.T.: 0.000 min
Response: 2966709
Conc: 19.80 ug/ml



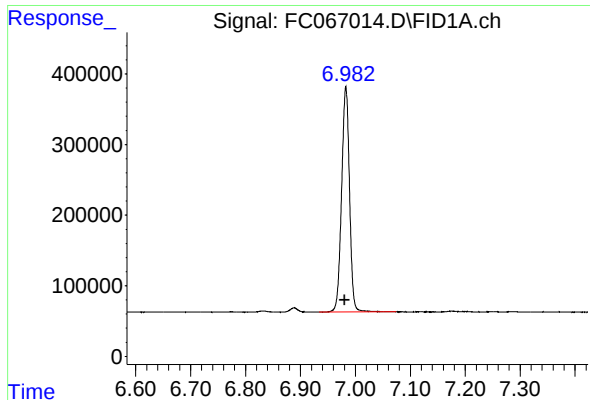
#3 A~Naphthalene (C11.7)

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 3309234
Conc: 20.80 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.365 min
Delta R.T.: 0.002 min
Response: 3017725
Conc: 20.11 ug/ml



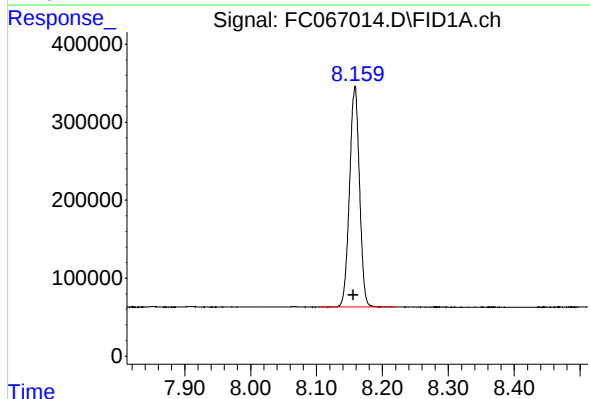
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.983 min
Delta R.T.: 0.002 min
Response: 3189473
Conc: 21.21 ug/ml

Instrument : FID_C
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20 PPM ALIPHATIC HC STD

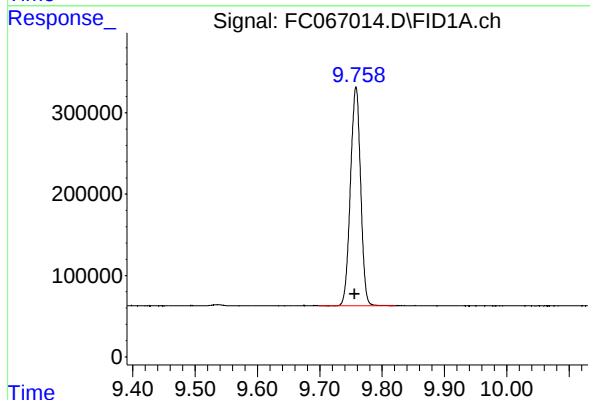
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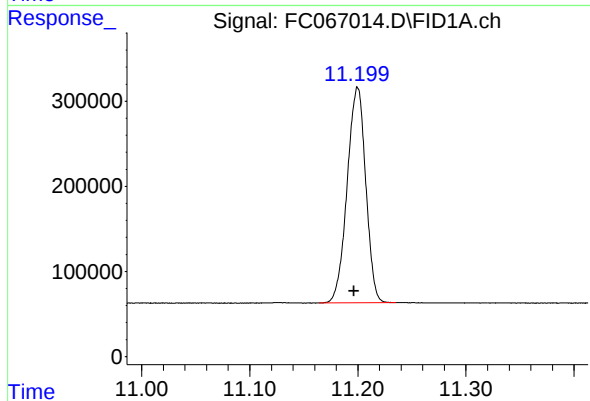
#6 n-Tetradecane (C14)

R.T.: 8.158 min
Delta R.T.: 0.002 min
Response: 2980017
Conc: 20.55 ug/ml



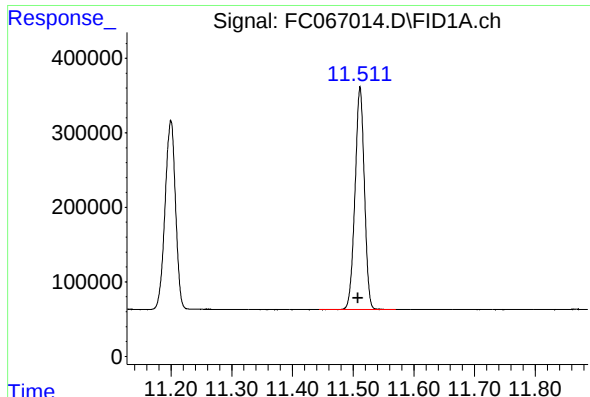
#7 n-Hexadecane (C16)

R.T.: 9.758 min
Delta R.T.: 0.002 min
Response: 3050232
Conc: 20.81 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.199 min
Delta R.T.: 0.003 min
Response: 3026890
Conc: 20.77 ug/ml m



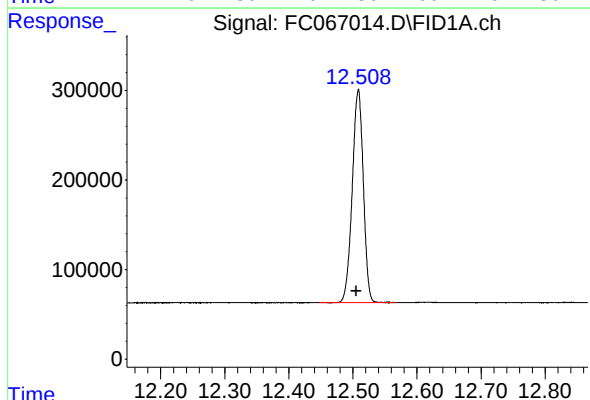
#9 ortho-Terphenyl (SURR)

R.T.: 11.511 min
Delta R.T.: 0.003 min
Response: 3196461
Conc: 21.00 ug/ml

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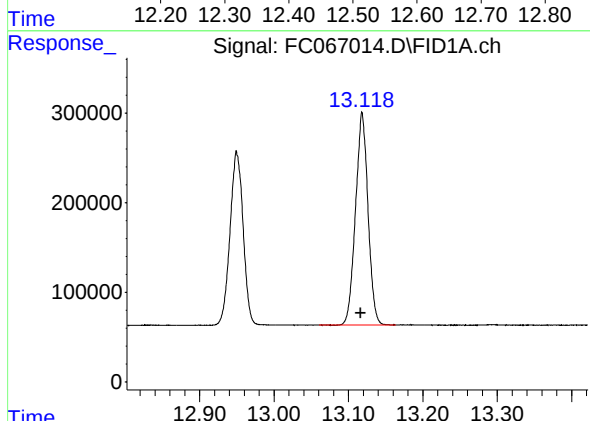
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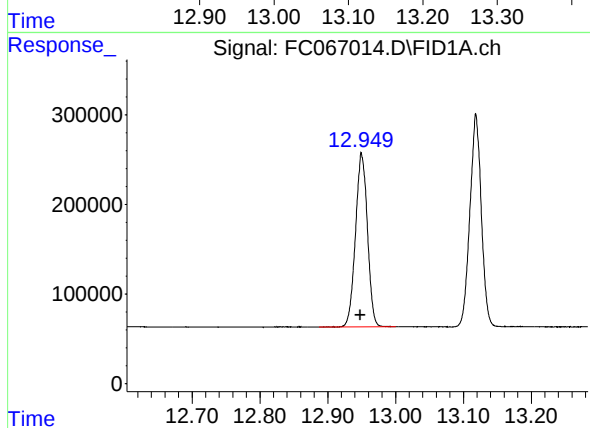
#10 n-Eicosane (C20)

R.T.: 12.508 min
Delta R.T.: 0.003 min
Response: 2855778
Conc: 20.85 ug/ml



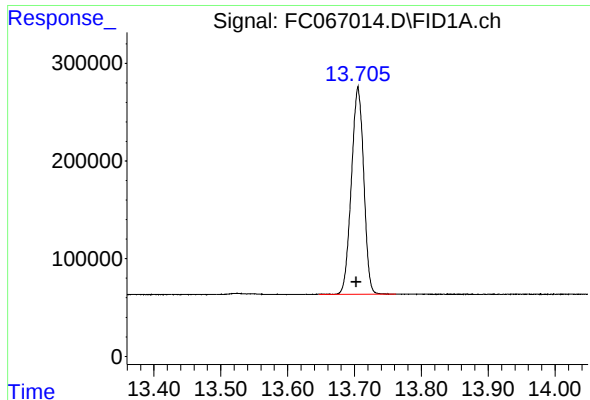
#11 n-Heneicosane (C21)

R.T.: 13.119 min
Delta R.T.: 0.002 min
Response: 2766213
Conc: 20.76 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.950 min
Delta R.T.: 0.002 min
Response: 2369405
Conc: 21.87 ug/ml



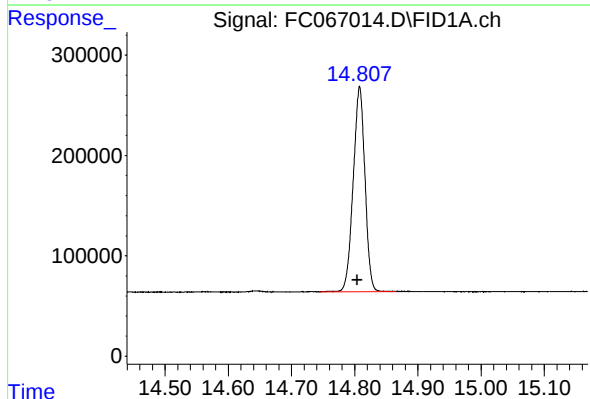
#13 n-Docosane (C22)

R.T.: 13.705 min
Delta R.T.: 0.003 min
Response: 2718701
Conc: 20.63 ug/ml

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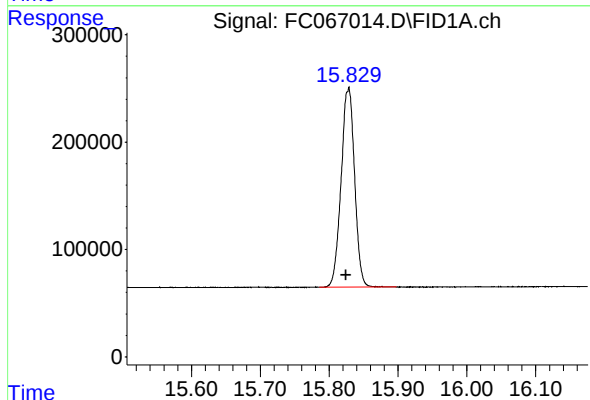
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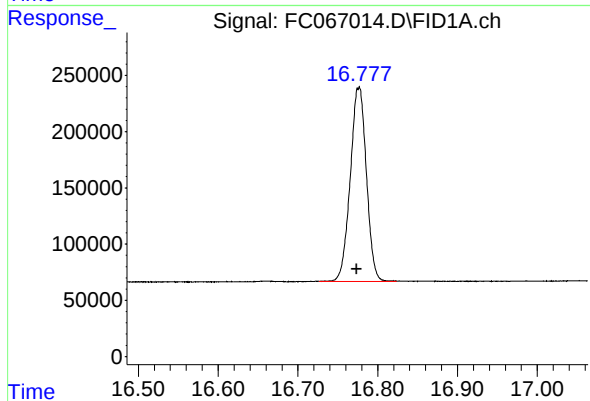
#14 n-Tetracosane (C24)

R.T.: 14.808 min
Delta R.T.: 0.003 min
Response: 2638450
Conc: 20.36 ug/ml



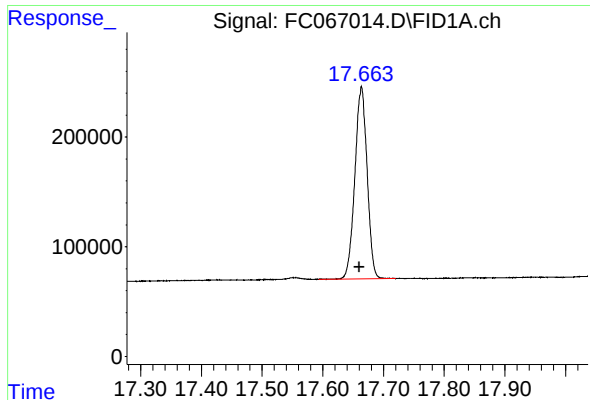
#15 n-Hexacosane (C26)

R.T.: 15.828 min
Delta R.T.: 0.004 min
Response: 2524897
Conc: 19.91 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.777 min
Delta R.T.: 0.003 min
Response: 2432196
Conc: 19.58 ug/ml m



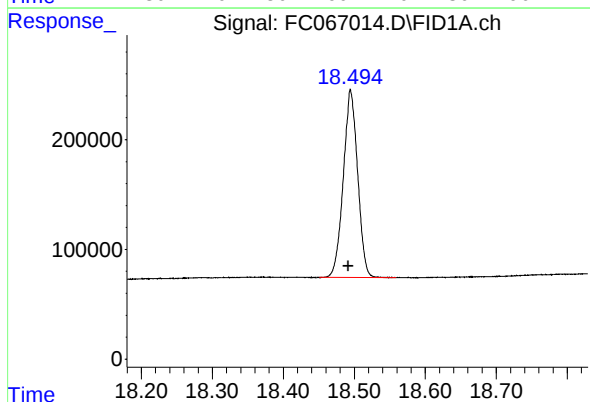
#17 n-Tricontane (C30)

R.T.: 17.663 min
Delta R.T.: 0.003 min
Response: 2454551
Conc: 19.53 ug/ml

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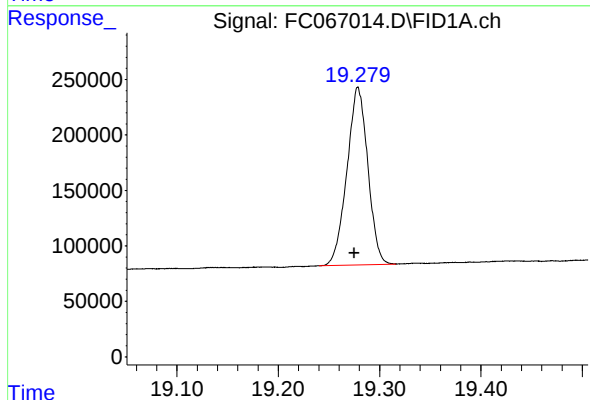
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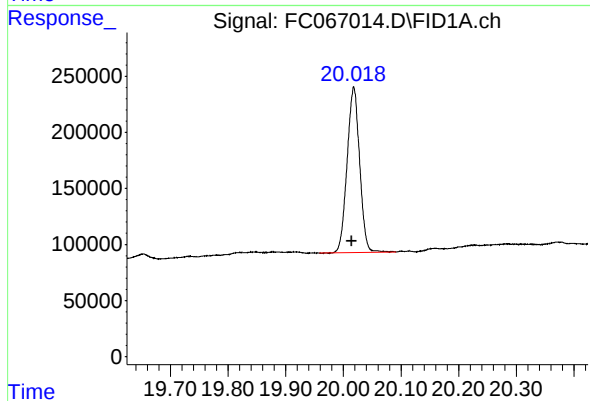
#18 n-Dotriacontane (C32)

R.T.: 18.495 min
Delta R.T.: 0.004 min
Response: 2402670
Conc: 19.45 ug/ml



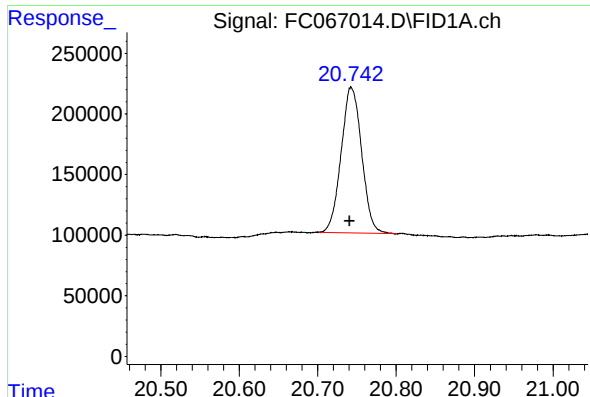
#19 n-Tetatriacontane (C34)

R.T.: 19.279 min
Delta R.T.: 0.003 min
Response: 2294182
Conc: 19.13 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.018 min
Delta R.T.: 0.003 min
Response: 2235817
Conc: 19.80 ug/ml



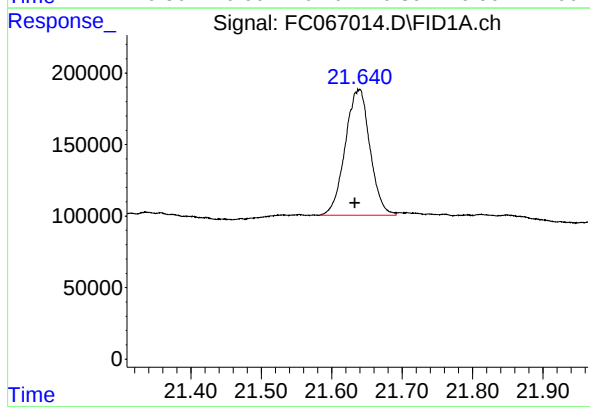
#21 n-Octatriacontane (C38)

R.T.: 20.742 min
Delta R.T.: 0.001 min
Response: 2182719
Conc: 20.03 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.640 min
Delta R.T.: 0.007 min
Response: 2148231
Conc: 21.03 ug/ml m