

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC072323AL\
 Data File : FC064242.D
 Signal(s) : FID1A.ch
 Acq On : 23 Jul 2023 06:16
 Operator : YP/AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 86 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :Ankita Jodhani 07/24/2023

Integration File: autoint1.e
 Quant Time: Jul 24 01:53:53 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 072323.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 24 01:41:11 2023
 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)	11.512	923106	5.174 ug/ml
Spiked Amount 50.000		Recovery =	10.35%
12) S 1-chlorooctadecane (S...	12.948	635140	5.036 ug/ml
Spiked Amount 50.000		Recovery =	10.07%
Target Compounds			
1) T n-Nonane (C9)	3.300	829677	5.108 ug/mlm
2) T n-Decane (C10)	4.362	826680	5.056 ug/ml
3) T A~Naphthalene (C11.7)	5.948	718330	4.426 ug/ml
4) T n-Dodecane (C12)	6.376	822973	5.041 ug/ml
5) T A~2-methylnaphthalene...	7.005	650192	4.267 ug/ml
6) T n-Tetradecane (C14)	8.167	784248	4.995 ug/ml
7) T n-Hexadecane (C16)	9.763	780915	4.966 ug/ml
8) T n-Octadecane (C18)	11.200	813992	5.138 ug/ml
10) T n-Eicosane (C20)	12.505	772303	5.175 ug/ml
11) T n-Heneicosane (C21)	13.115	756728	5.185 ug/ml
13) T n-Docosane (C22)	13.700	733498	5.139 ug/ml
14) T n-Tetracosane (C24)	14.798	725208	5.163 ug/ml
15) T n-Hexacosane (C26)	15.815	709134	5.164 ug/ml
16) T n-Octacosane (C28)	16.763	697833	5.204 ug/ml
17) T n-Tricontane (C30)	17.647	760783	5.481 ug/ml
18) T n-Dotriacontane (C32)	18.476	820082	5.828 ug/ml
19) T n-Tetratriacontane (C34)	19.257	785683	5.659 ug/ml
20) T n-Hexatriacontane (C36)	19.993	757186	5.578 ug/mlm
21) T n-Octatriacontane (C38)	20.715	738774	5.447 ug/ml
22) T n-Tetracontane (C40)	21.595	727975	5.418 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 86 Sample Multiplier: 1

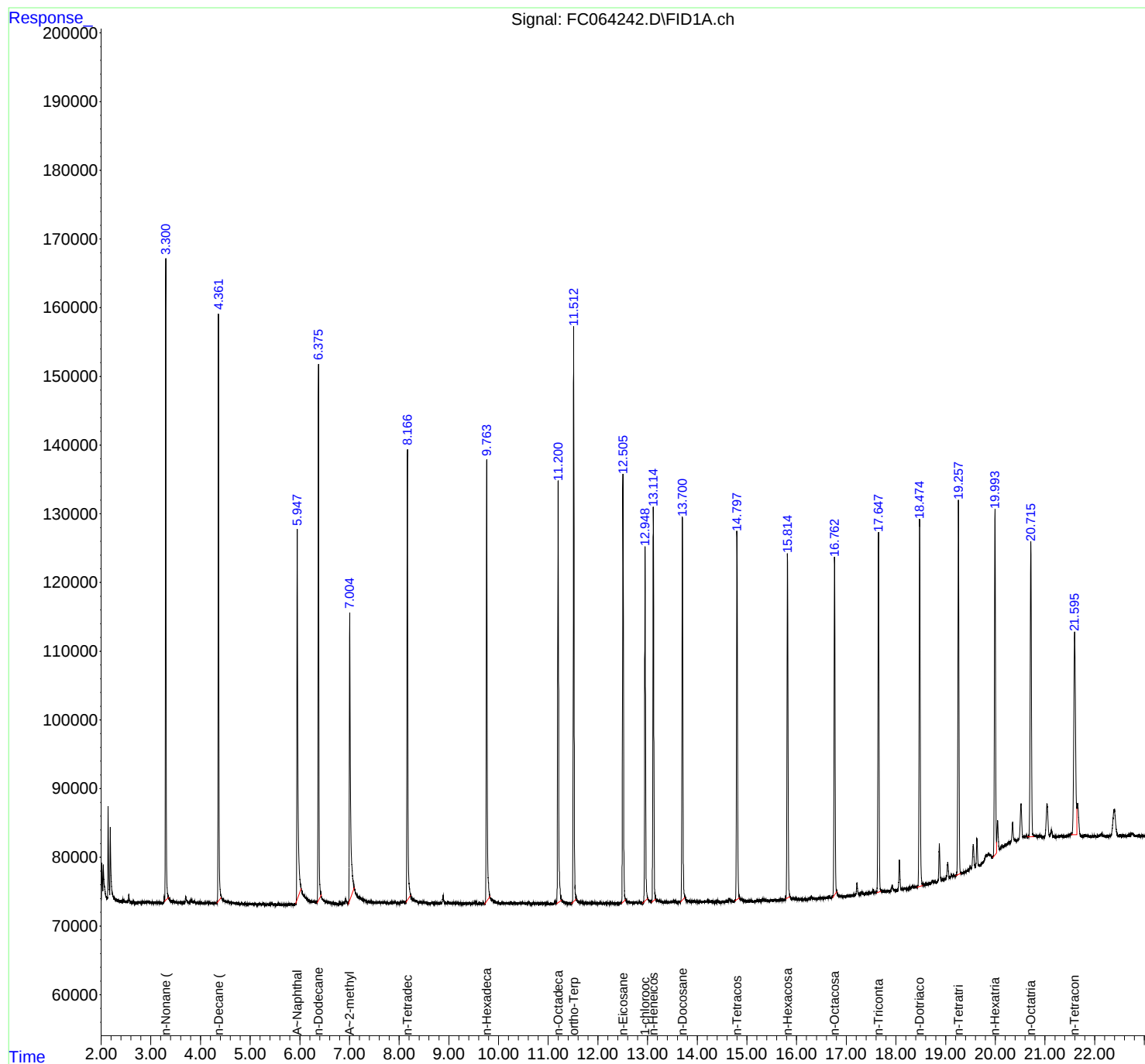
Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

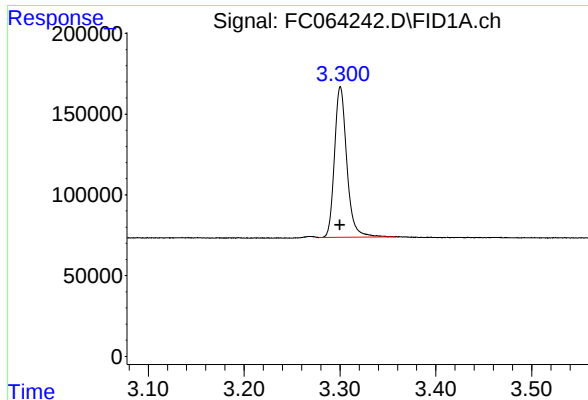
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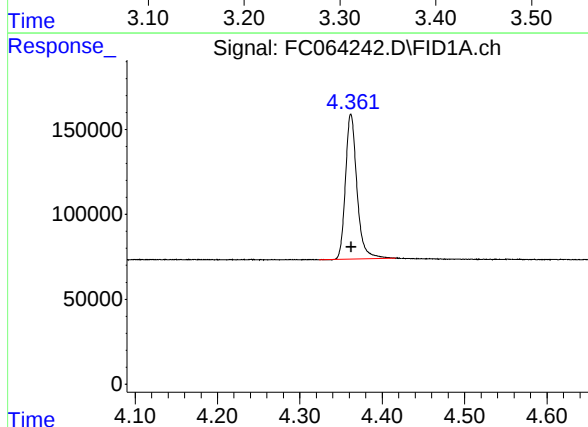
#1 n-Nonane (C9)

R.T.: 3.300 min
Delta R.T.: 0.000 min
Response: 829677
Conc: 5.11 ug/ml

Instrument : FID_C
ClientSampleId : 5 PPM ALIPHATIC HC STD5

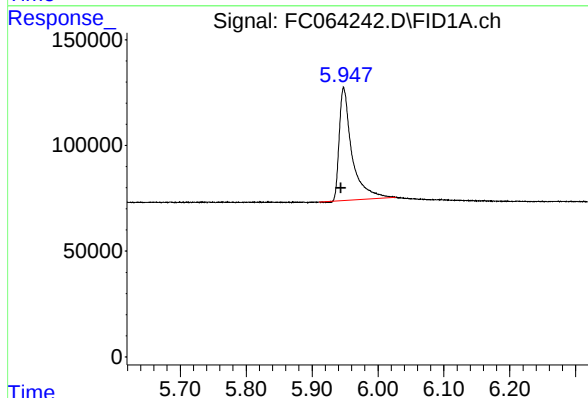
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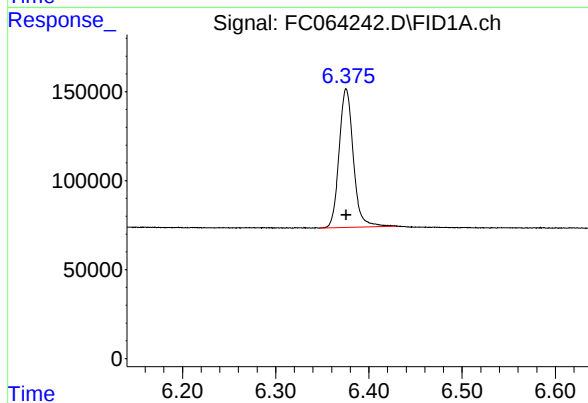
#2 n-Decane (C10)

R.T.: 4.362 min
Delta R.T.: 0.000 min
Response: 826680
Conc: 5.06 ug/ml



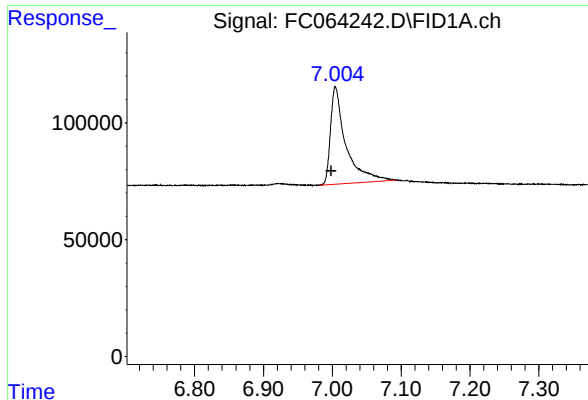
#3 A~Naphthalene (C11.7)

R.T.: 5.948 min
Delta R.T.: 0.005 min
Response: 718330
Conc: 4.43 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.376 min
Delta R.T.: 0.000 min
Response: 822973
Conc: 5.04 ug/ml



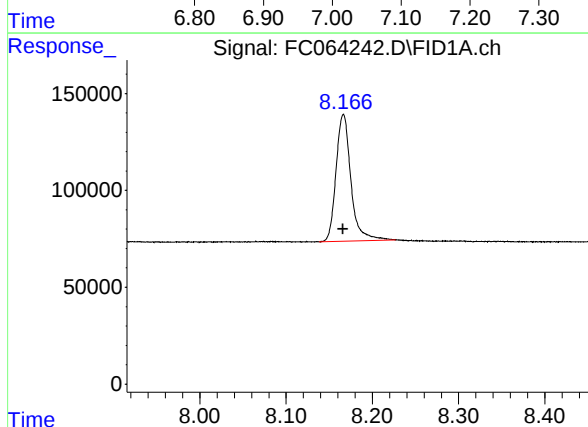
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.005 min
Delta R.T.: 0.006 min
Response: 650192
Conc: 4.27 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

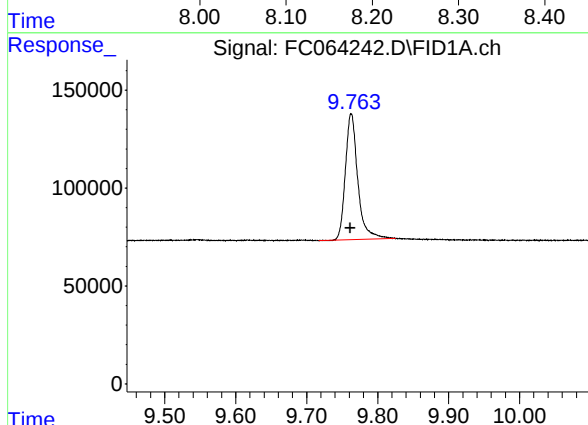
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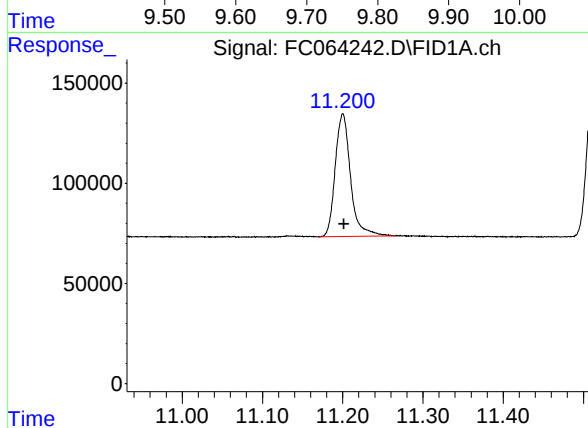
#6 n-Tetradecane (C14)

R.T.: 8.167 min
Delta R.T.: 0.000 min
Response: 784248
Conc: 4.99 ug/ml



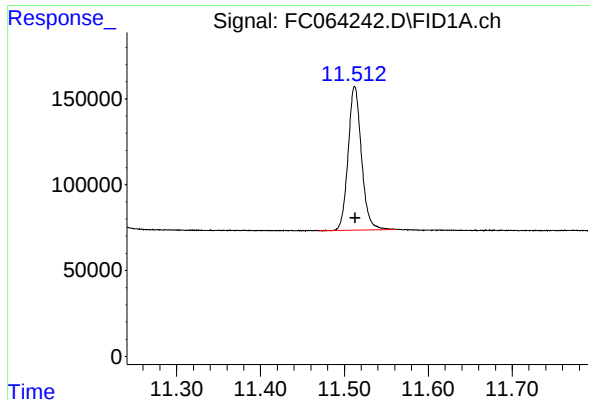
#7 n-Hexadecane (C16)

R.T.: 9.763 min
Delta R.T.: 0.000 min
Response: 780915
Conc: 4.97 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.200 min
Delta R.T.: -0.001 min
Response: 813992
Conc: 5.14 ug/ml



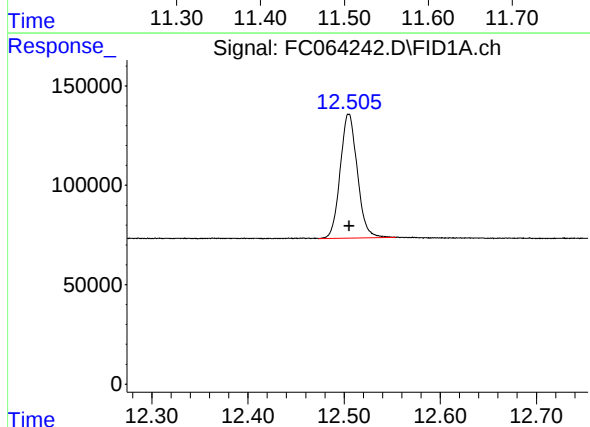
#9 ortho-Terphenyl (SURR)

R.T.: 11.512 min
Delta R.T.: 0.000 min
Response: 923106
Conc: 5.17 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

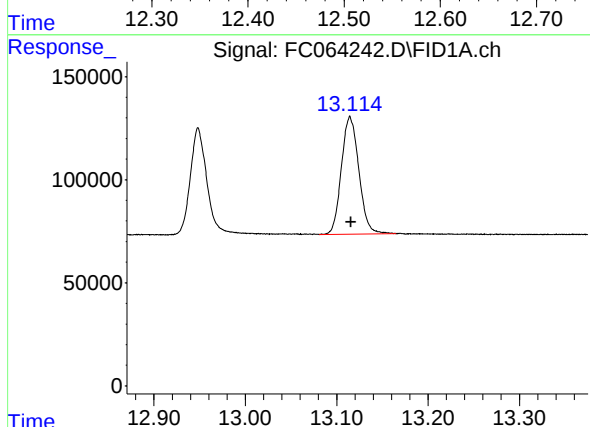
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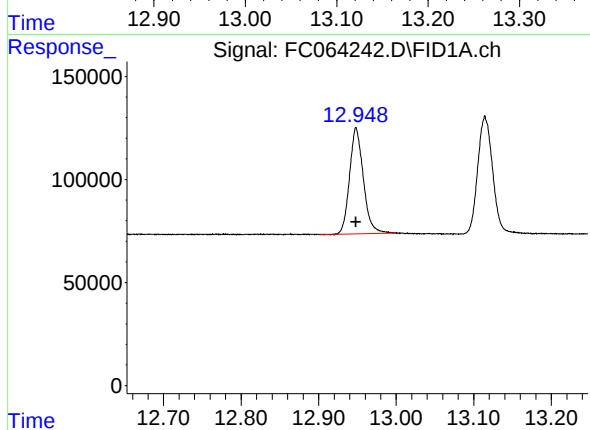
#10 n-Eicosane (C20)

R.T.: 12.505 min
Delta R.T.: 0.000 min
Response: 772303
Conc: 5.17 ug/ml



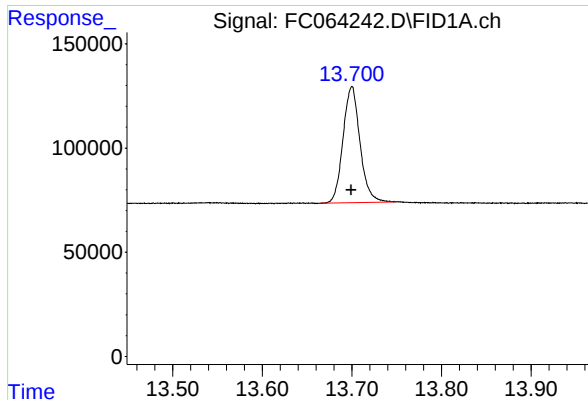
#11 n-Heneicosane (C21)

R.T.: 13.115 min
Delta R.T.: -0.001 min
Response: 756728
Conc: 5.18 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.948 min
Delta R.T.: 0.000 min
Response: 635140
Conc: 5.04 ug/ml



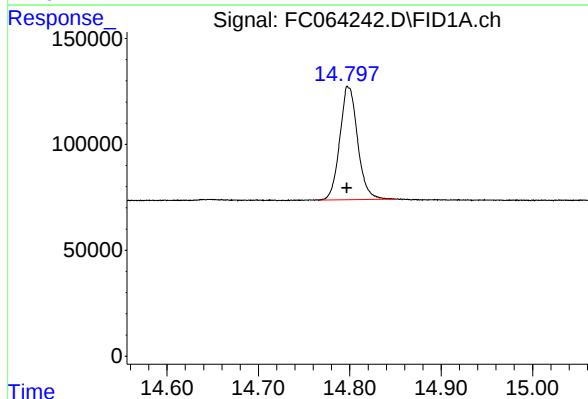
#13 n-Docosane (C22)

R.T.: 13.700 min
Delta R.T.: 0.000 min
Response: 733498
Conc: 5.14 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

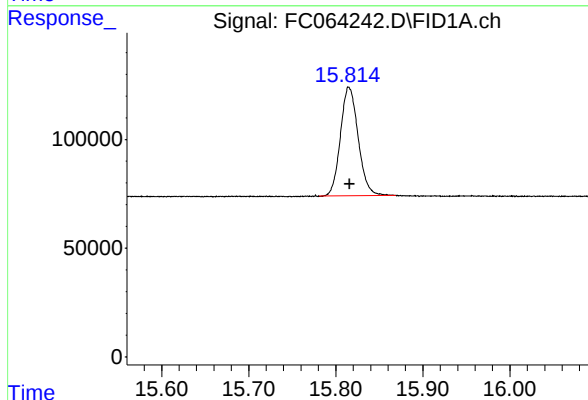
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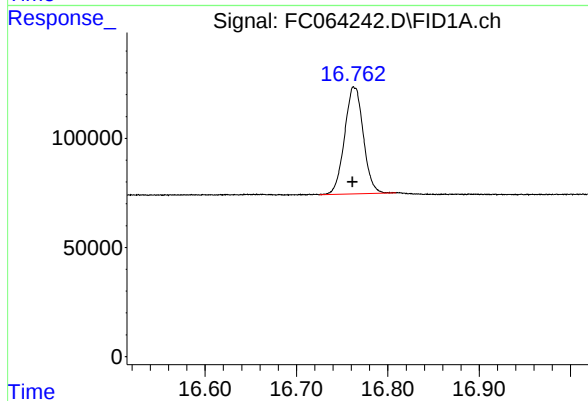
#14 n-Tetracosane (C24)

R.T.: 14.798 min
Delta R.T.: 0.002 min
Response: 725208
Conc: 5.16 ug/ml



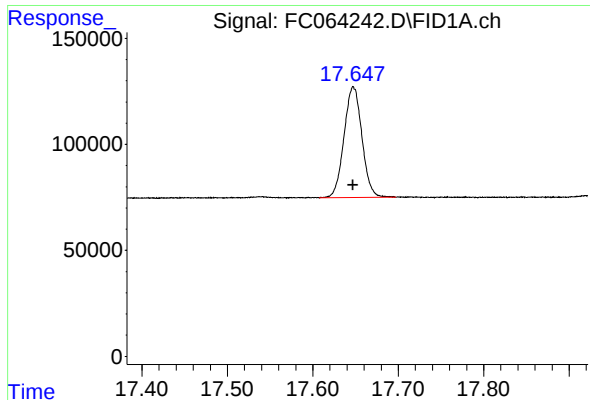
#15 n-Hexacosane (C26)

R.T.: 15.815 min
Delta R.T.: 0.000 min
Response: 709134
Conc: 5.16 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.763 min
Delta R.T.: 0.002 min
Response: 697833
Conc: 5.20 ug/ml



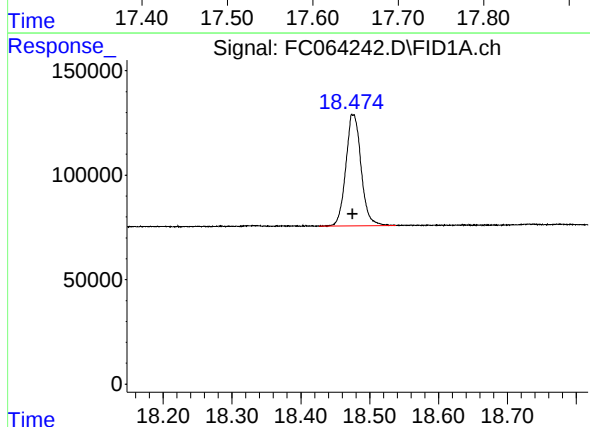
#17 n-Tricontane (C30)

R.T.: 17.647 min
Delta R.T.: 0.000 min
Response: 760783
Conc: 5.48 ug/ml

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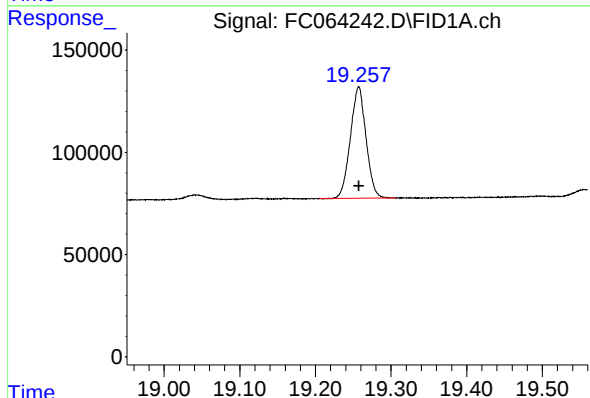
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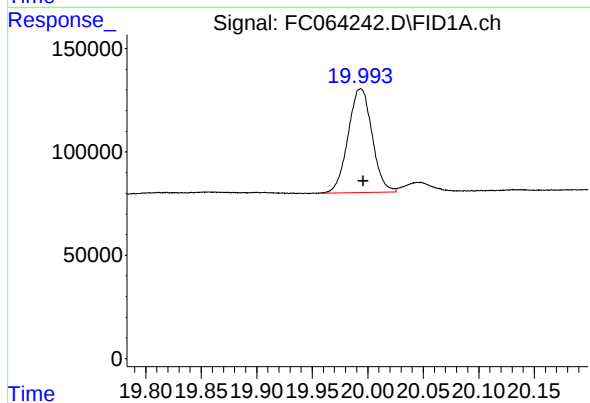
#18 n-Dotriacontane (C32)

R.T.: 18.476 min
Delta R.T.: 0.000 min
Response: 820082
Conc: 5.83 ug/ml



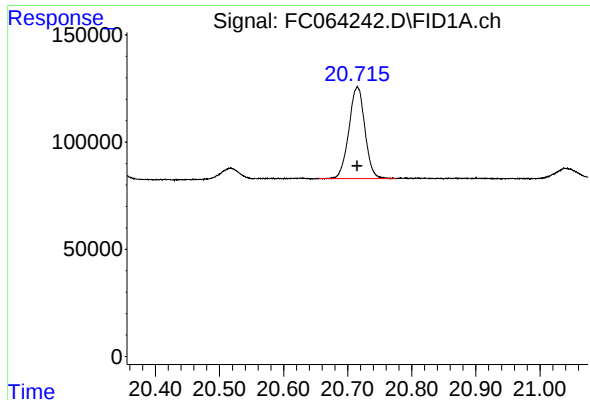
#19 n-Tetatriacontane (C34)

R.T.: 19.257 min
Delta R.T.: 0.000 min
Response: 785683
Conc: 5.66 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.993 min
Delta R.T.: -0.003 min
Response: 757186
Conc: 5.58 ug/ml m



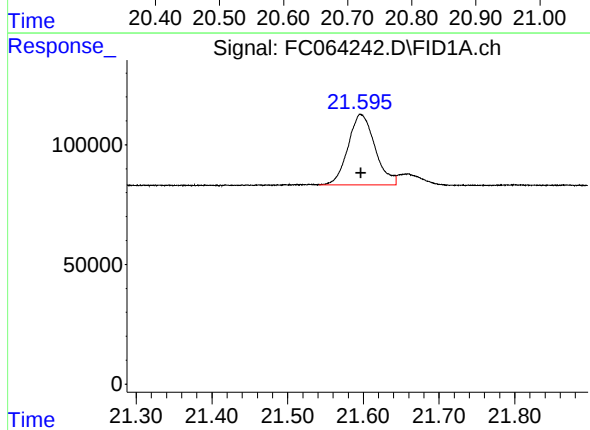
#21 n-Octatriacontane (C38)

R.T.: 20.715 min
Delta R.T.: 0.000 min
Response: 738774
Conc: 5.45 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.595 min
Delta R.T.: -0.002 min
Response: 727975
Conc: 5.42 ug/ml m