

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG093024AL\
 Data File : FG014360.D
 Signal(s) : FID1A.ch
 Acq On : 30 Sep 2024 20:15
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/01/2024
 Supervised By :Ankita Jodhani 10/02/2024

Integration File: autoint1.e
 Quant Time: Oct 01 09:16:55 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 093024.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 01 09:16:03 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)	11.806	713281	5.197 ug/ml
Spiked Amount 50.000		Recovery =	10.39%
12) S 1-chlorooctadecane (S...	13.257	496516	4.956 ug/ml
Spiked Amount 50.000		Recovery =	9.91%
Target Compounds			
1) T n-Nonane (C9)	3.190	651436	5.248 ug/ml
2) T n-Decane (C10)	4.439	658998	5.217 ug/ml
3) T A~Naphthalene (C11.7)	6.140	570926	4.437 ug/ml
4) T n-Dodecane (C12)	6.609	636819	5.060 ug/ml
5) T A~2-methylnaphthalene...	7.240	478293	4.044 ug/mlm
6) T n-Tetradecane (C14)	8.443	542666	4.371 ug/ml
7) T n-Hexadecane (C16)	10.054	628970	4.930 ug/ml
8) T n-Octadecane (C18)	11.498	660484	5.095 ug/ml
10) T n-Eicosane (C20)	12.811	645732	5.225 ug/ml
11) T n-Heneicosane (C21)	13.424	632765	5.219 ug/ml
13) T n-Docosane (C22)	14.013	625543	5.206 ug/ml
14) T n-Tetracosane (C24)	15.119	637127	5.344 ug/ml
15) T n-Hexacosane (C26)	16.143	625562	5.377 ug/ml
16) T n-Octacosane (C28)	17.095	632829	5.576 ug/ml
17) T n-Tricontane (C30)	17.984	678266	5.920 ug/ml
18) T n-Dotriacontane (C32)	18.818	669155	6.107 ug/ml
19) T n-Tetratriacontane (C34)	19.603	565691	5.928 ug/ml
20) T n-Hexatriacontane (C36)	20.345	472841	5.700 ug/mlm
21) T n-Octatriacontane (C38)	21.077	415151	5.715 ug/mlm
22) T n-Tetracontane (C40)	21.969	353696	5.596 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

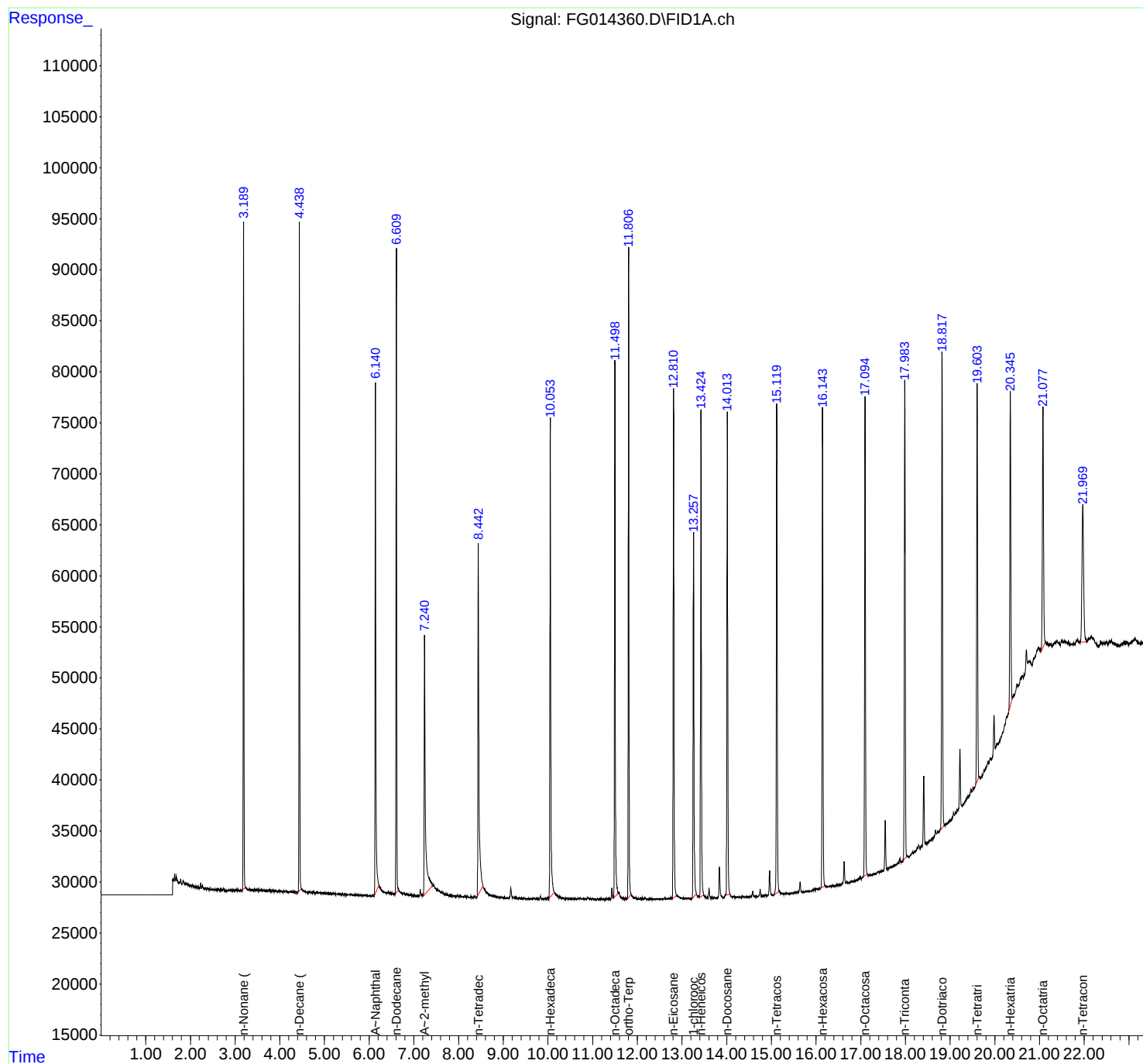
Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

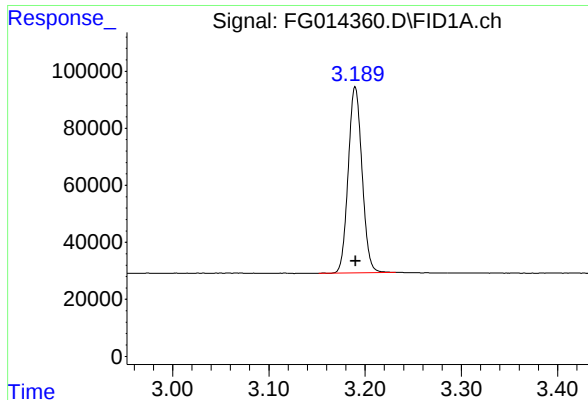
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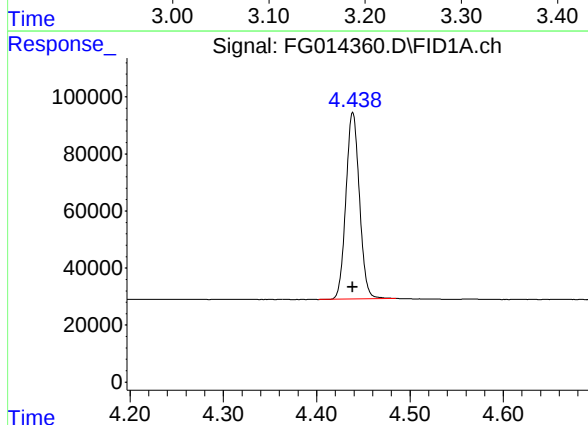
#1 n-Nonane (C9)

R.T.: 3.190 min
Delta R.T.: 0.000 min
Response: 651436
Conc: 5.25 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

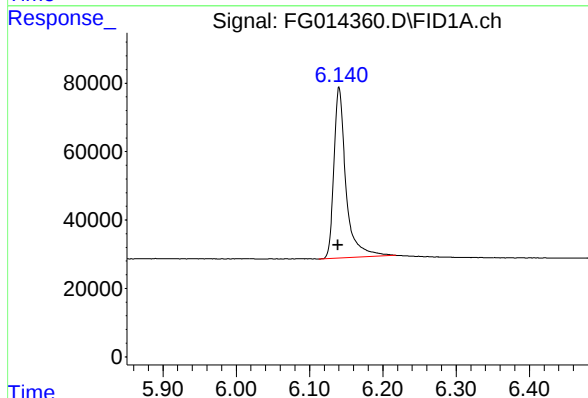
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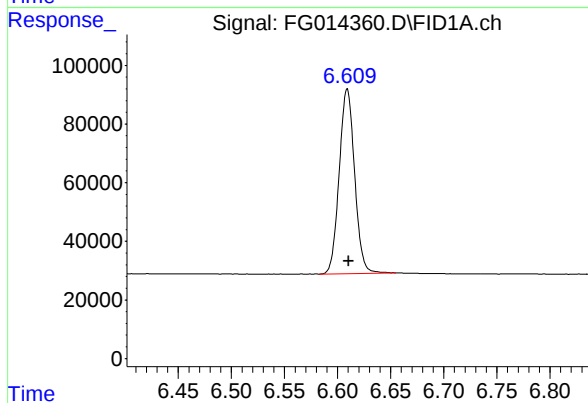
#2 n-Decane (C10)

R.T.: 4.439 min
Delta R.T.: 0.000 min
Response: 658998
Conc: 5.22 ug/ml



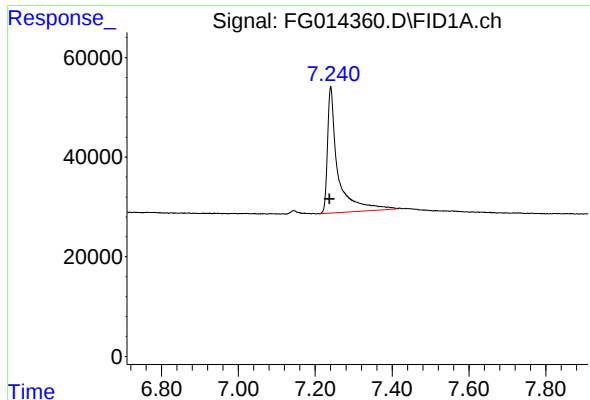
#3 A~Naphthalene (C11.7)

R.T.: 6.140 min
Delta R.T.: 0.002 min
Response: 570926
Conc: 4.44 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.609 min
Delta R.T.: -0.001 min
Response: 636819
Conc: 5.06 ug/ml



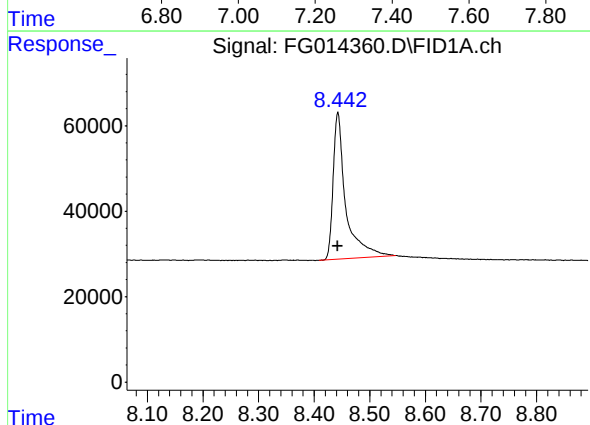
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.240 min
Delta R.T.: 0.003 min
Response: 478293
Conc: 4.04 ug/ml

Instrument :
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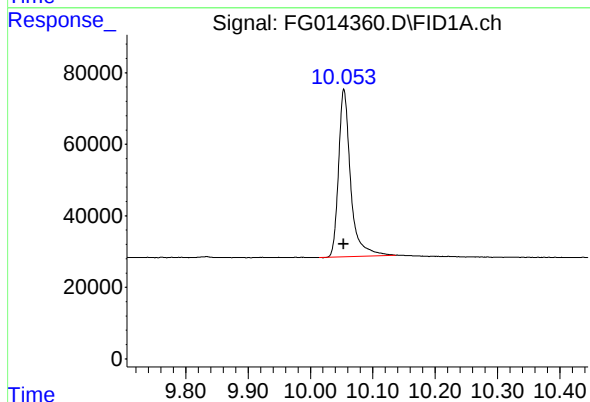
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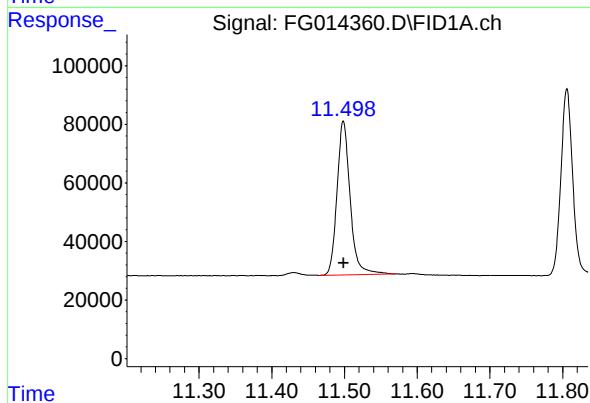
#6 n-Tetradecane (C14)

R.T.: 8.443 min
Delta R.T.: 0.000 min
Response: 542666
Conc: 4.37 ug/ml



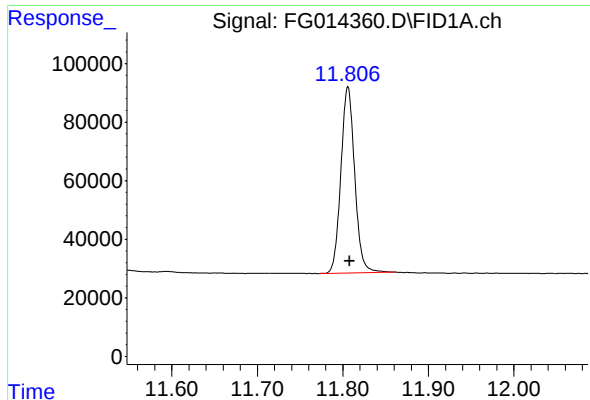
#7 n-Hexadecane (C16)

R.T.: 10.054 min
Delta R.T.: 0.000 min
Response: 628970
Conc: 4.93 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.498 min
Delta R.T.: 0.000 min
Response: 660484
Conc: 5.10 ug/ml



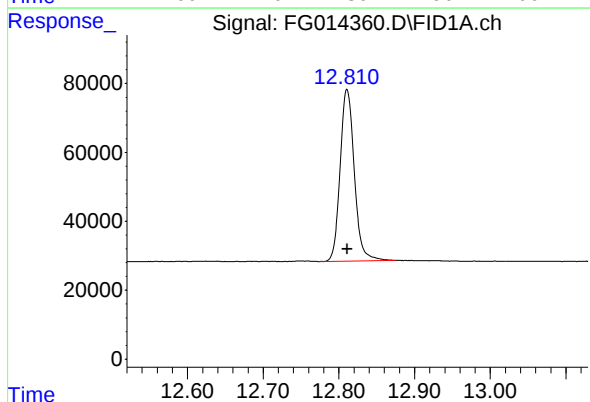
#9 ortho-Terphenyl (SURR)

R.T.: 11.806 min
Delta R.T.: -0.002 min
Response: 713281
Conc: 5.20 ug/ml

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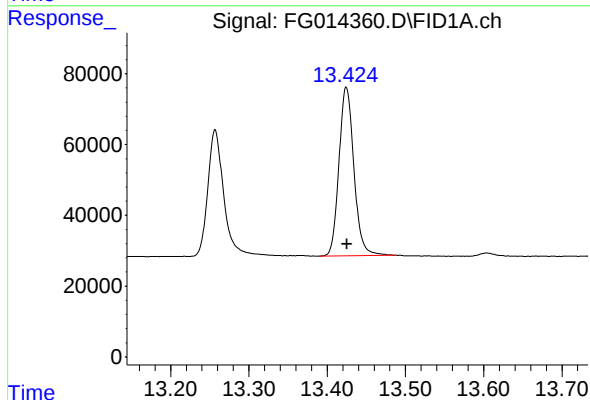
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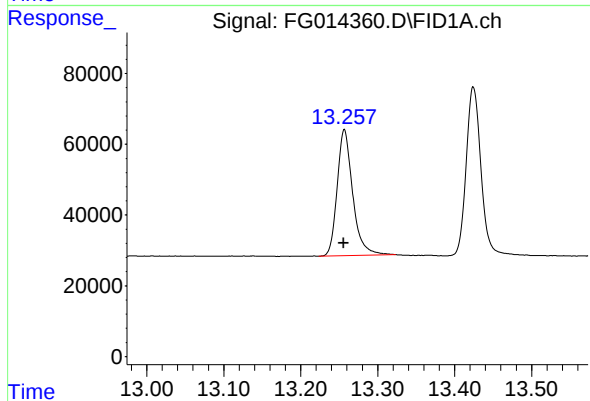
#10 n-Eicosane (C20)

R.T.: 12.811 min
Delta R.T.: 0.000 min
Response: 645732
Conc: 5.22 ug/ml



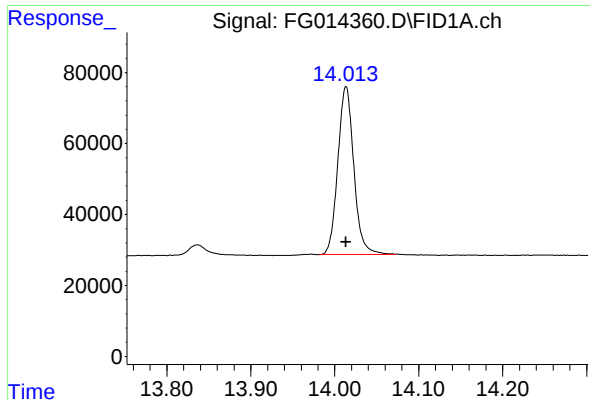
#11 n-Heneicosane (C21)

R.T.: 13.424 min
Delta R.T.: 0.000 min
Response: 632765
Conc: 5.22 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.257 min
Delta R.T.: 0.001 min
Response: 496516
Conc: 4.96 ug/ml



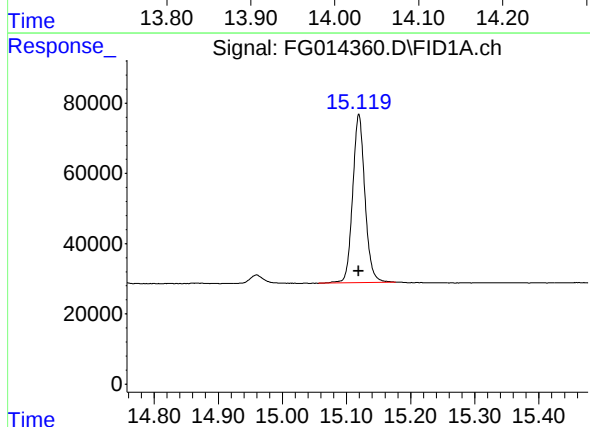
#13 n-Docosane (C22)

R.T.: 14.013 min
Delta R.T.: 0.000 min
Response: 625543
Conc: 5.21 ug/ml

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5 PPM ALIPHATIC HC STD5

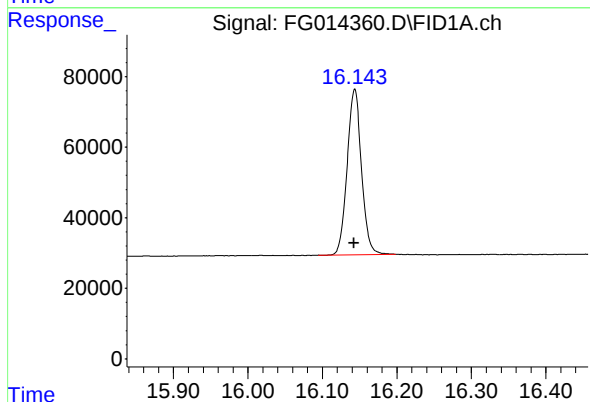
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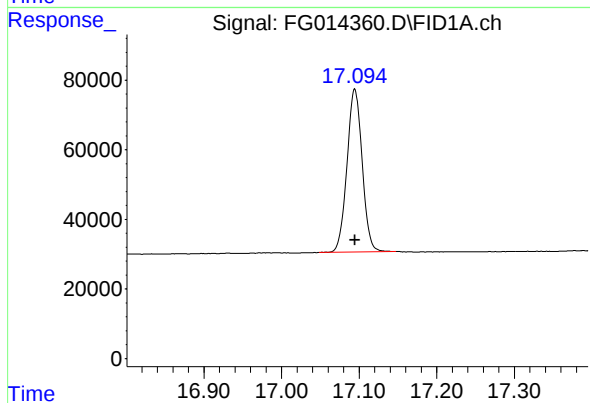
#14 n-Tetracosane (C24)

R.T.: 15.119 min
Delta R.T.: 0.000 min
Response: 637127
Conc: 5.34 ug/ml



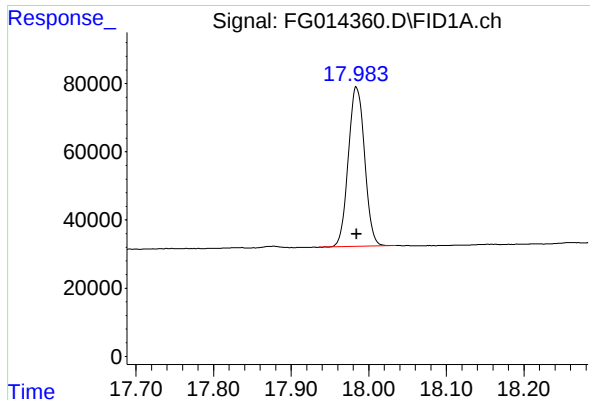
#15 n-Hexacosane (C26)

R.T.: 16.143 min
Delta R.T.: 0.001 min
Response: 625562
Conc: 5.38 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.095 min
Delta R.T.: 0.000 min
Response: 632829
Conc: 5.58 ug/ml



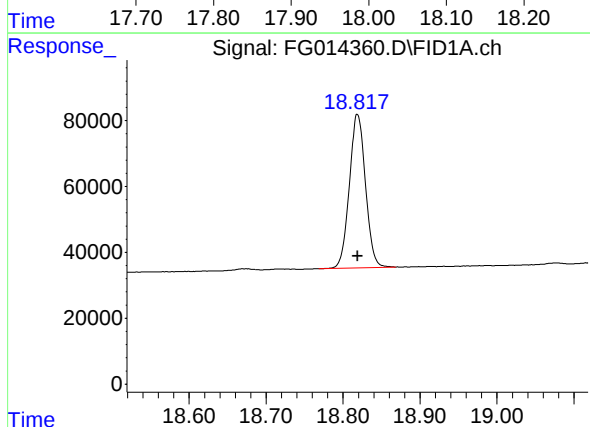
#17 n-Tricontane (C30)

R.T.: 17.984 min
Delta R.T.: 0.000 min
Response: 678266
Conc: 5.92 ug/ml

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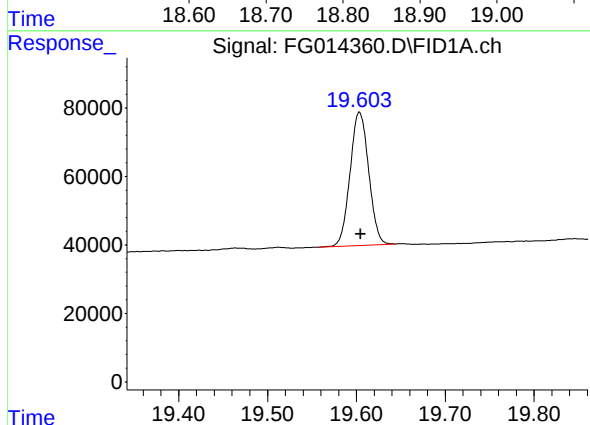
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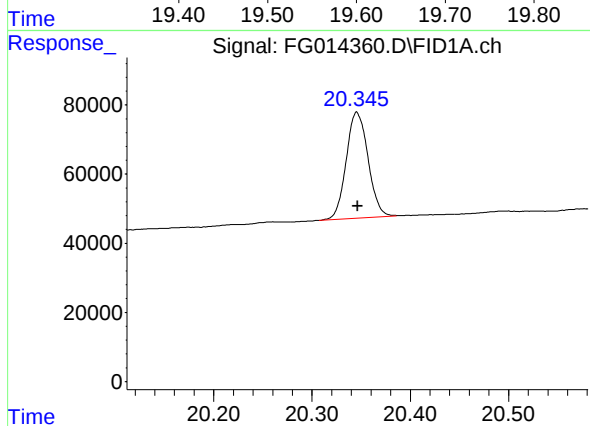
#18 n-Dotriacontane (C32)

R.T.: 18.818 min
Delta R.T.: 0.000 min
Response: 669155
Conc: 6.11 ug/ml



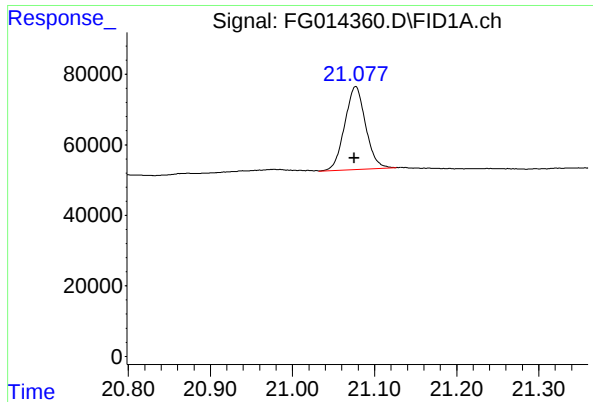
#19 n-Tetratriacontane (C34)

R.T.: 19.603 min
Delta R.T.: -0.001 min
Response: 565691
Conc: 5.93 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.345 min
Delta R.T.: -0.001 min
Response: 472841
Conc: 5.70 ug/ml m



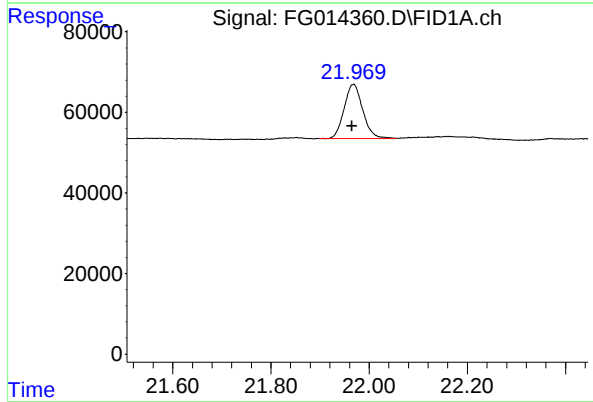
#21 n-Octatriacontane (C38)

R.T.: 21.077 min
Delta R.T.: 0.002 min
Response: 415151
Conc: 5.72 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.969 min
Delta R.T.: 0.004 min
Response: 353696
Conc: 5.60 ug/ml