

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092223AL\
 Data File : FE044399.D
 Signal(s) : FID1B.ch
 Acq On : 22 Sep 2023 11:56
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/25/2023
 Supervised By :Ankita Jodhani 09/25/2023

Integration File: autoint1.e
 Quant Time: Sep 23 02:12:16 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 083023.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 31 03:37:37 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)	11.923	3801289	20.065 ug/ml
Spiked Amount 50.000		Recovery =	40.13%
12) S 1-chlorooctadecane (S...	13.362	2814912	20.376 ug/ml
Spiked Amount 50.000		Recovery =	40.75%
Target Compounds			
1) T n-Nonane (C9)	3.311	3209453	19.674 ug/mlm
2) T n-Decane (C10)	4.562	3252045	19.566 ug/ml
3) T A~Naphthalene (C11.7)	6.264	3538176	19.759 ug/ml
4) T n-Dodecane (C12)	6.726	3290694	19.567 ug/ml
5) T A~2-methylnaphthalene...	7.360	3444879	20.094 ug/ml
6) T n-Tetradecane (C14)	8.553	3267108	19.481 ug/ml
7) T n-Hexadecane (C16)	10.162	3310659	19.155 ug/ml
8) T n-Octadecane (C18)	11.607	3299921	18.957 ug/ml
10) T n-Eicosane (C20)	12.916	3169063	19.159 ug/ml
11) T n-Heneicosane (C21)	13.530	3101597	19.175 ug/ml
13) T n-Docosane (C22)	14.117	3045432	19.062 ug/ml
14) T n-Tetracosane (C24)	15.220	2957943	18.915 ug/ml
15) T n-Hexacosane (C26)	16.243	2864020	18.998 ug/ml
16) T n-Octacosane (C28)	17.194	2778640	19.255 ug/ml
17) T n-Tricontane (C30)	18.082	2795591	19.243 ug/ml
18) T n-Dotriacontane (C32)	18.915	2781247	19.525 ug/ml
19) T n-Tetratriacontane (C34)	19.700	2763936	19.751 ug/ml
20) T n-Hexatriacontane (C36)	20.442	2832407	20.660 ug/ml
21) T n-Octatriacontane (C38)	21.185	2850259	20.533 ug/ml
22) T n-Tetracontane (C40)	22.103	3055211	22.097 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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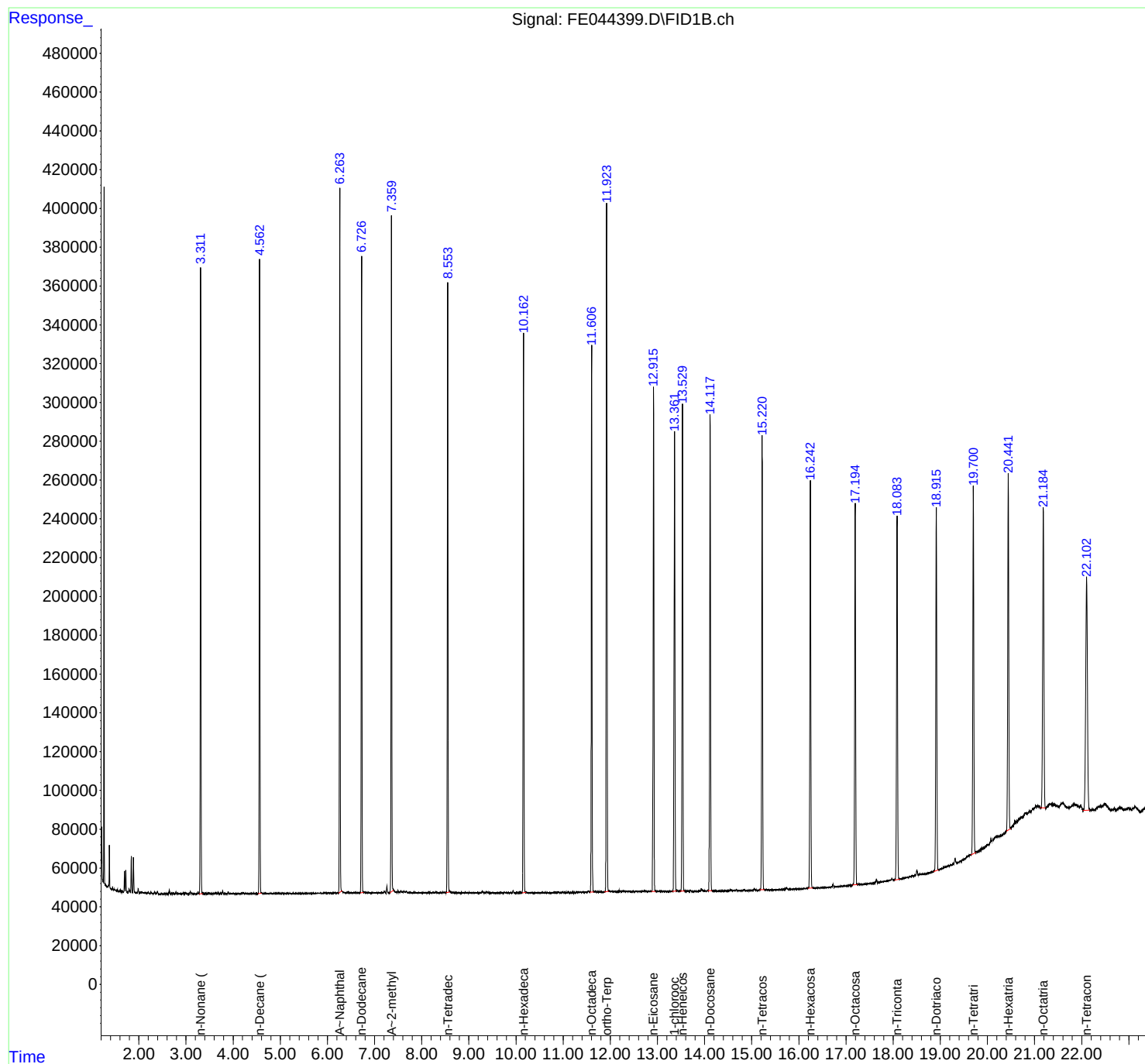
Instrument :
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20 PPM ALIPHATIC HC STD

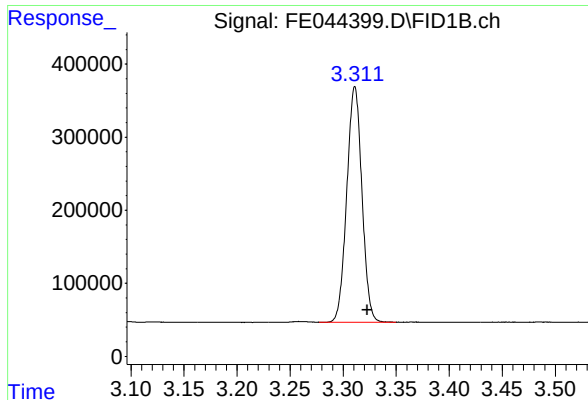
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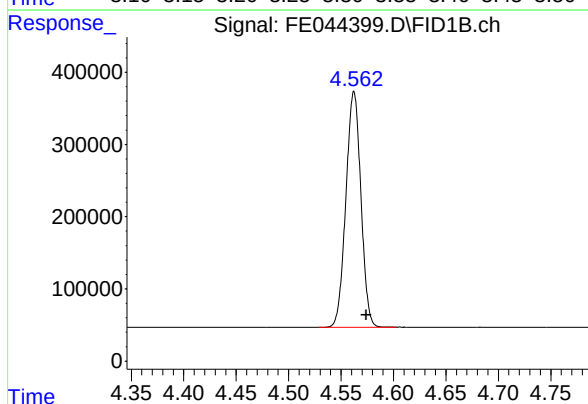
#1 n-Nonane (C9)

R.T.: 3.311 min
Delta R.T.: -0.012 min
Response: 3209453
Conc: 19.67 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

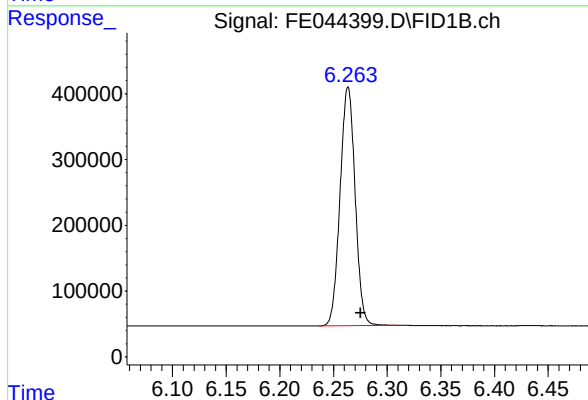
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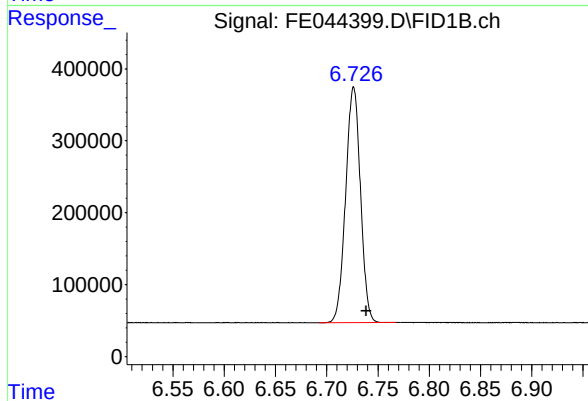
#2 n-Decane (C10)

R.T.: 4.562 min
Delta R.T.: -0.012 min
Response: 3252045
Conc: 19.57 ug/ml



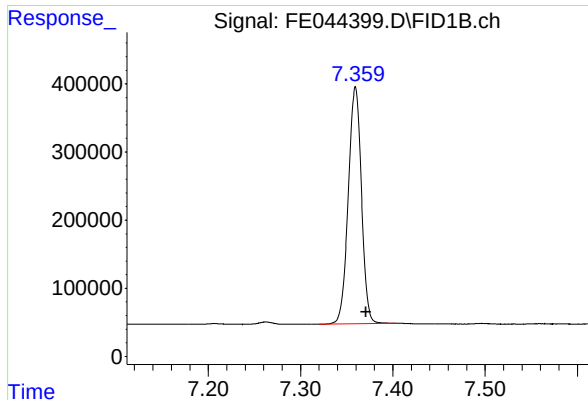
#3 A~Naphthalene (C11.7)

R.T.: 6.264 min
Delta R.T.: -0.012 min
Response: 3538176
Conc: 19.76 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.726 min
Delta R.T.: -0.012 min
Response: 3290694
Conc: 19.57 ug/ml



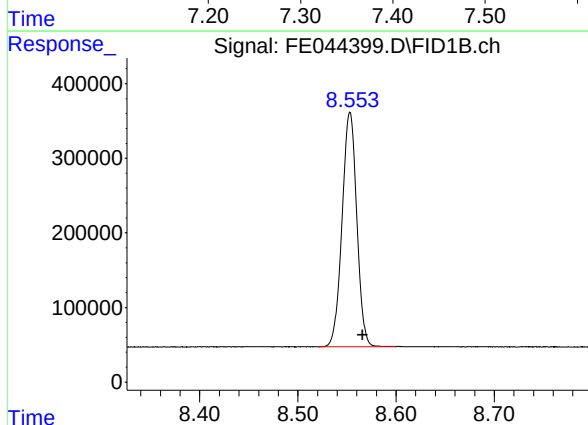
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.360 min
Delta R.T.: -0.012 min
Response: 3444879
Conc: 20.09 ug/ml

Instrument : FID_E
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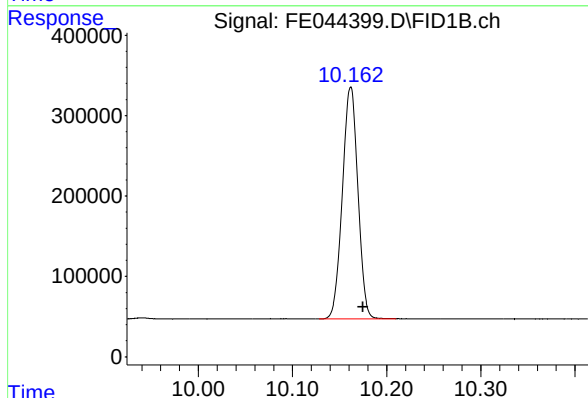
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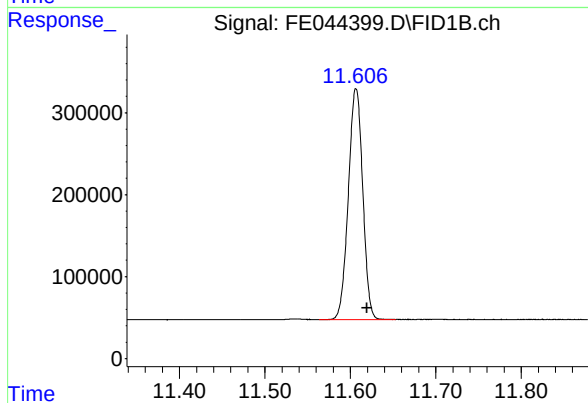
#6 n-Tetradecane (C14)

R.T.: 8.553 min
Delta R.T.: -0.013 min
Response: 3267108
Conc: 19.48 ug/ml



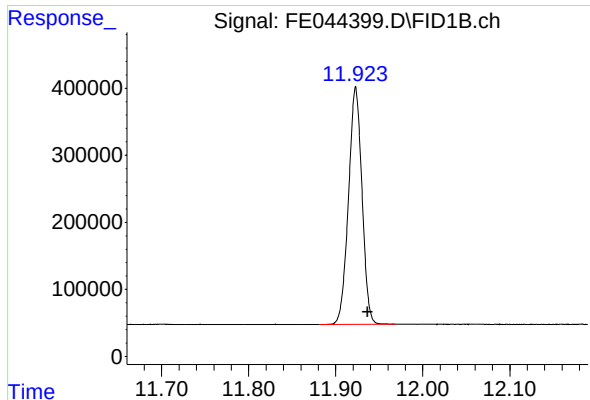
#7 n-Hexadecane (C16)

R.T.: 10.162 min
Delta R.T.: -0.013 min
Response: 3310659
Conc: 19.15 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.607 min
Delta R.T.: -0.013 min
Response: 3299921
Conc: 18.96 ug/ml



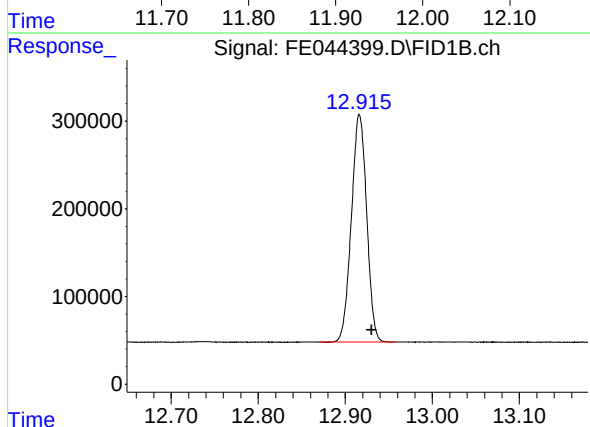
#9 ortho-Terphenyl (SURR)

R.T.: 11.923 min
Delta R.T.: -0.014 min
Response: 3801289
Conc: 20.06 ug/ml

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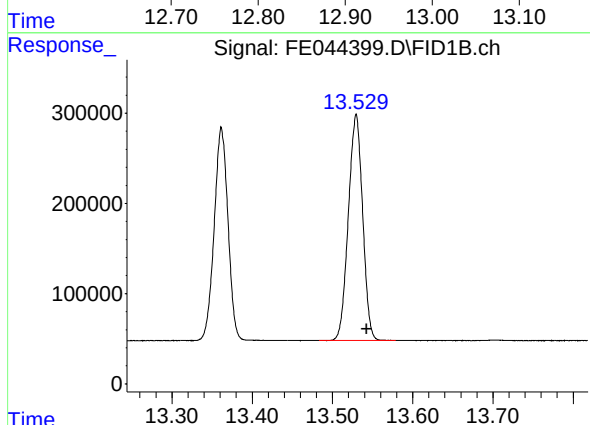
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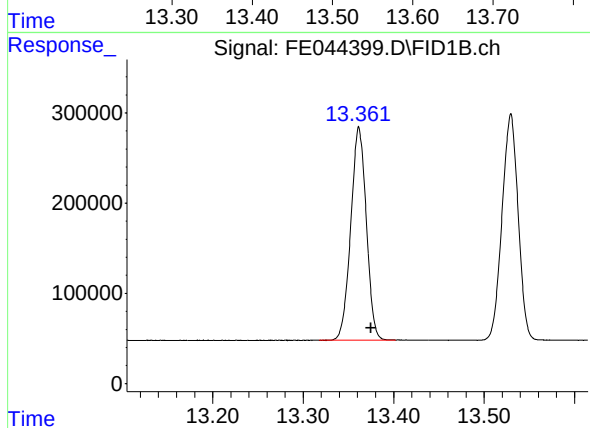
#10 n-Eicosane (C20)

R.T.: 12.916 min
Delta R.T.: -0.014 min
Response: 3169063
Conc: 19.16 ug/ml



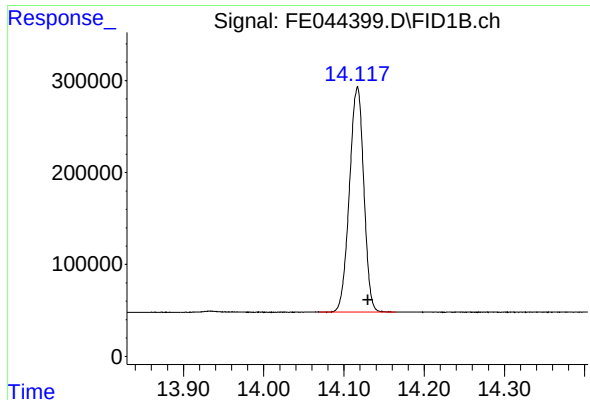
#11 n-Heneicosane (C21)

R.T.: 13.530 min
Delta R.T.: -0.013 min
Response: 3101597
Conc: 19.17 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.362 min
Delta R.T.: -0.013 min
Response: 2814912
Conc: 20.38 ug/ml



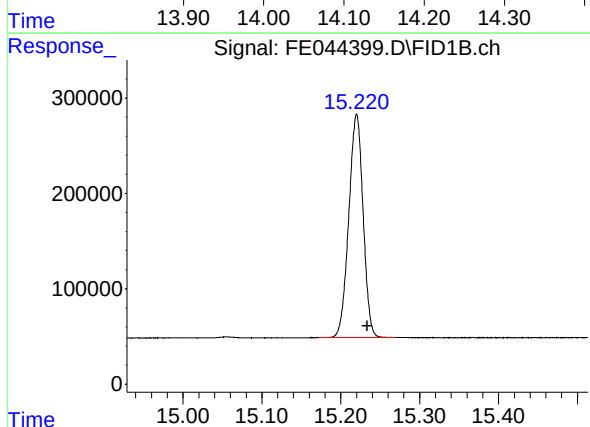
#13 n-Docosane (C22)

R.T.: 14.117 min
Delta R.T.: -0.013 min
Response: 3045432
Conc: 19.06 ug/ml

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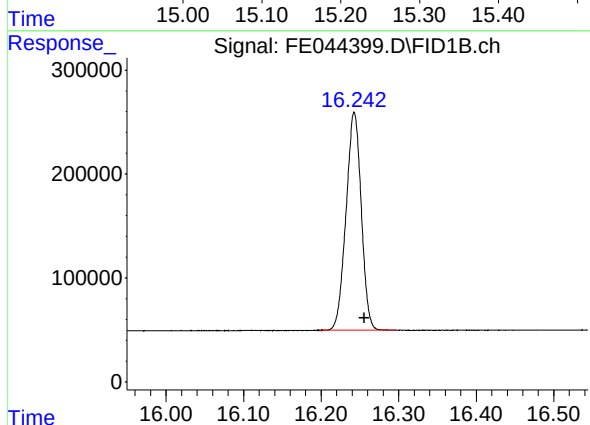
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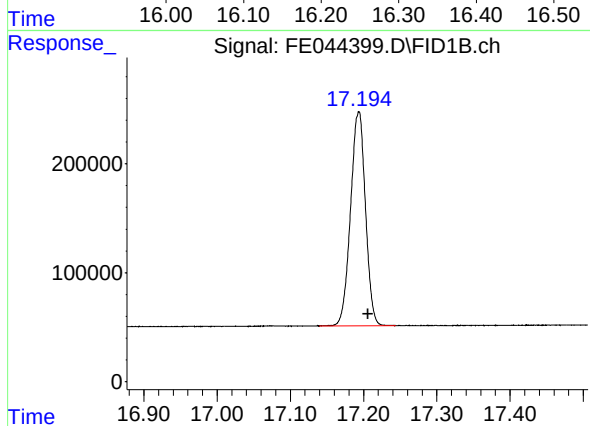
#14 n-Tetracosane (C24)

R.T.: 15.220 min
Delta R.T.: -0.014 min
Response: 2957943
Conc: 18.92 ug/ml



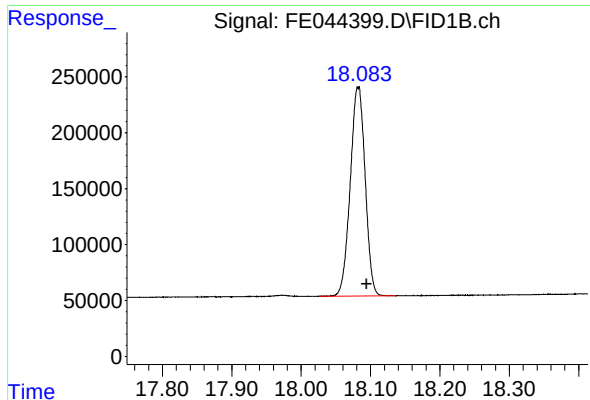
#15 n-Hexacosane (C26)

R.T.: 16.243 min
Delta R.T.: -0.013 min
Response: 2864020
Conc: 19.00 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.194 min
Delta R.T.: -0.012 min
Response: 2778640
Conc: 19.25 ug/ml



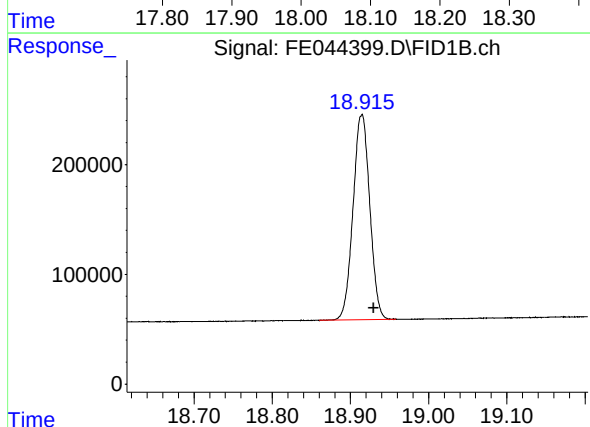
#17 n-Tricontane (C30)

R.T.: 18.082 min
Delta R.T.: -0.012 min
Response: 2795591
Conc: 19.24 ug/ml

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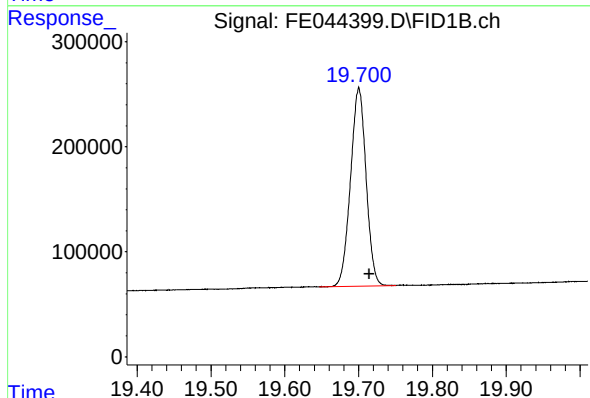
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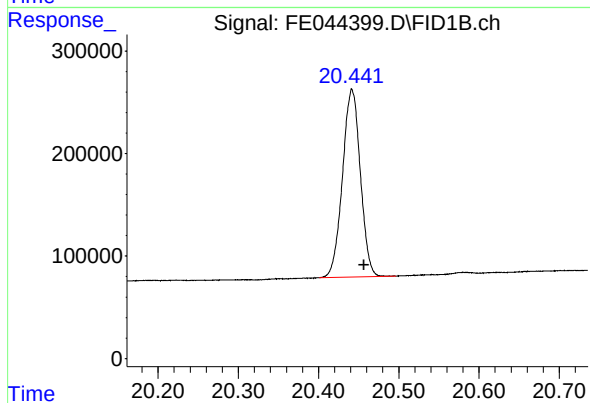
#18 n-Dotriacontane (C32)

R.T.: 18.915 min
Delta R.T.: -0.015 min
Response: 2781247
Conc: 19.52 ug/ml



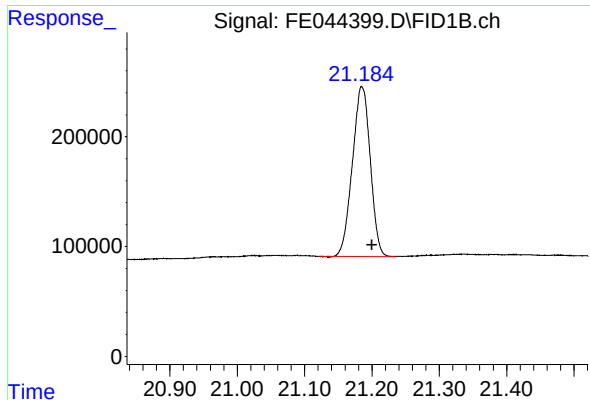
#19 n-Tetatriacontane (C34)

R.T.: 19.700 min
Delta R.T.: -0.014 min
Response: 2763936
Conc: 19.75 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.442 min
Delta R.T.: -0.015 min
Response: 2832407
Conc: 20.66 ug/ml



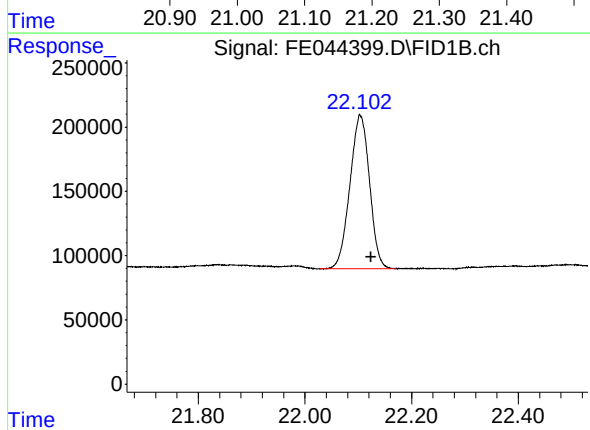
#21 n-Octatriacontane (C38)

R.T.: 21.185 min
Delta R.T.: -0.015 min
Response: 2850259
Conc: 20.53 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.103 min
Delta R.T.: -0.021 min
Response: 3055211
Conc: 22.10 ug/ml