

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042423AL\
 Data File : FE041521.D
 Signal(s) : FID1B.ch
 Acq On : 24 Apr 2023 16:21
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/25/2023
 Supervised By :Ankita Jodhani 04/25/2023

Integration File: sample.E
 Quant Time: Apr 25 01:36:57 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042123.M
 Quant Title : GC Extractables
 QLast Update : Fri Apr 21 07:33:51 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)	11.986	3535211	18.844 ug/ml
Spiked Amount 50.000		Recovery =	37.69%
12) S 1-chlorooctadecane (S...	13.423	2623066	18.568 ug/ml
Spiked Amount 50.000		Recovery =	37.14%
Target Compounds			
1) T n-Nonane (C9)	3.360	2967774	20.190 ug/ml
2) T n-Decane (C10)	4.613	3045962	20.309 ug/ml
3) T A~Naphthalene (C11.7)	6.321	3353934	20.267 ug/ml
4) T n-Dodecane (C12)	6.782	3078898	20.250 ug/ml
5) T A~2-methylnaphthalene...	7.418	3254008	20.180 ug/ml
6) T n-Tetradecane (C14)	8.612	3058228	20.133 ug/ml
7) T n-Hexadecane (C16)	10.221	3151584	19.749 ug/ml
8) T n-Octadecane (C18)	11.667	3166621	19.319 ug/ml
10) T n-Eicosane (C20)	12.978	3024577	18.804 ug/ml
11) T n-Heneicosane (C21)	13.590	2967743	18.622 ug/ml
13) T n-Docosane (C22)	14.177	2931951	18.402 ug/ml
14) T n-Tetracosane (C24)	15.281	2899903	17.987 ug/ml
15) T n-Hexacosane (C26)	16.303	2795009	17.679 ug/ml
16) T n-Octacosane (C28)	17.252	2684032	17.443 ug/mlm
17) T n-Tricontane (C30)	18.142	2699003	17.721 ug/ml
18) T n-Dotriacontane (C32)	18.974	2605560	17.489 ug/mlm
19) T n-Tetratriacontane (C34)	19.758	2609517	18.523 ug/mlm
20) T n-Hexatriacontane (C36)	20.498	2507430	18.750 ug/mlm
21) T n-Octatriacontane (C38)	21.255	2696684	20.409 ug/mlm
22) T n-Tetracontane (C40)	22.201	2696791	21.300 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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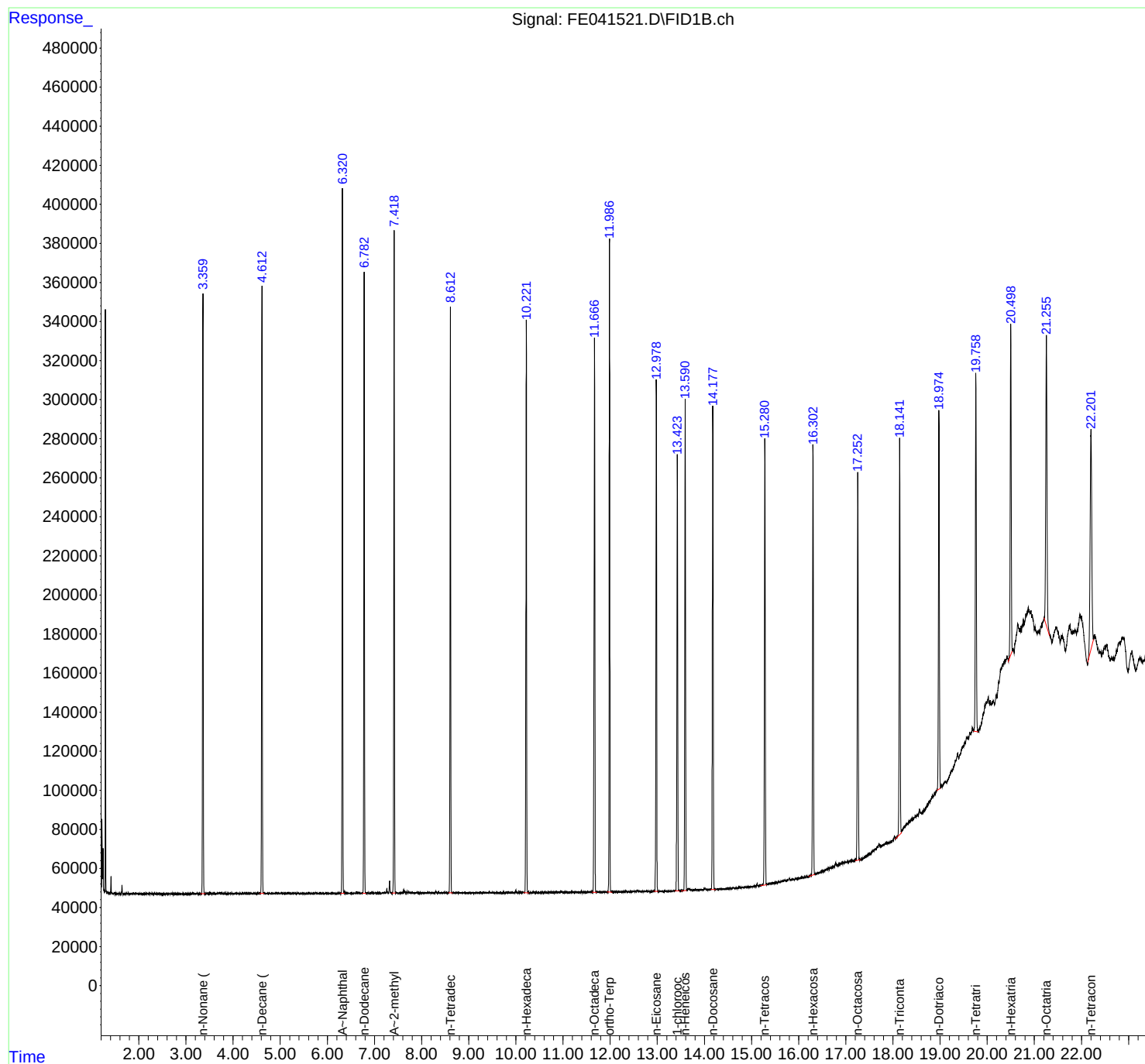
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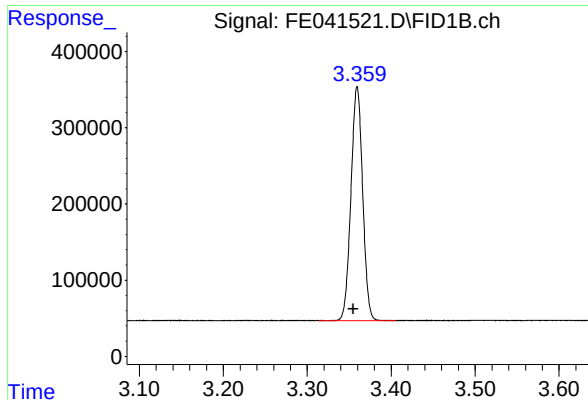
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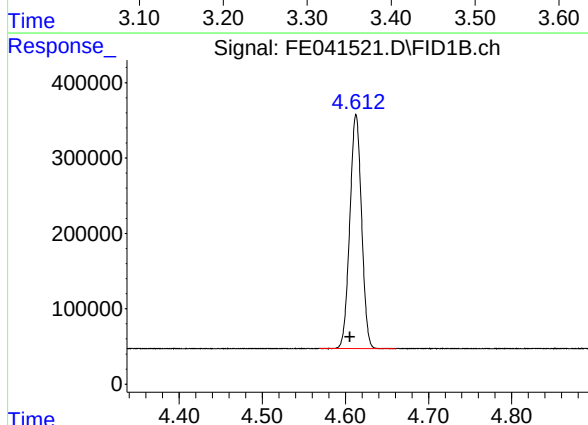
#1 n-Nonane (C9)

R.T.: 3.360 min
Delta R.T.: 0.005 min
Response: 2967774
Conc: 20.19 ug/ml

Instrument : FID_E
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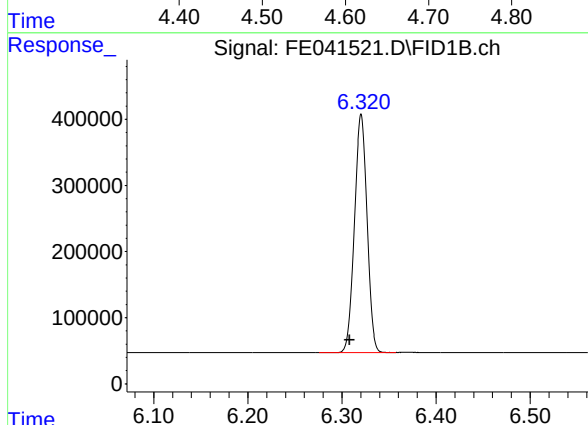
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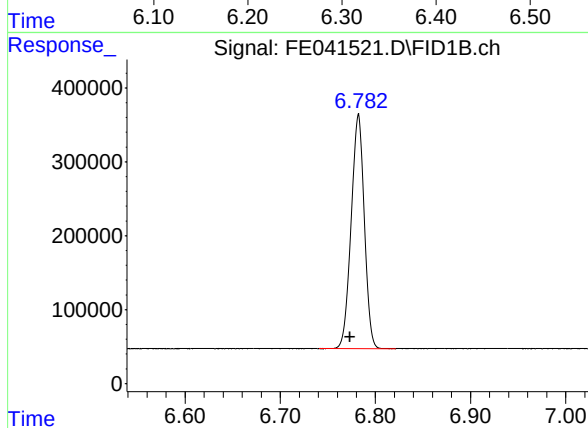
#2 n-Decane (C10)

R.T.: 4.613 min
Delta R.T.: 0.007 min
Response: 3045962
Conc: 20.31 ug/ml



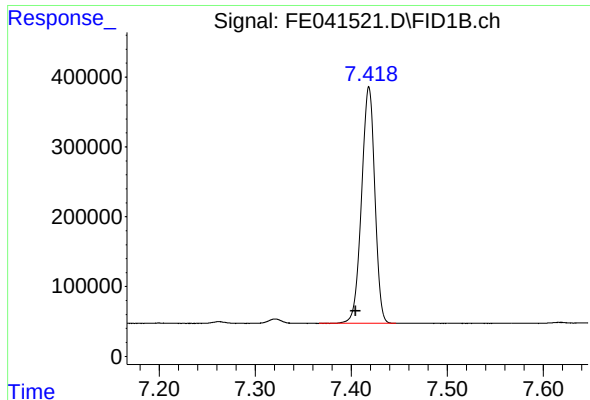
#3 A~Naphthalene (C11.7)

R.T.: 6.321 min
Delta R.T.: 0.012 min
Response: 3353934
Conc: 20.27 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.782 min
Delta R.T.: 0.009 min
Response: 3078898
Conc: 20.25 ug/ml



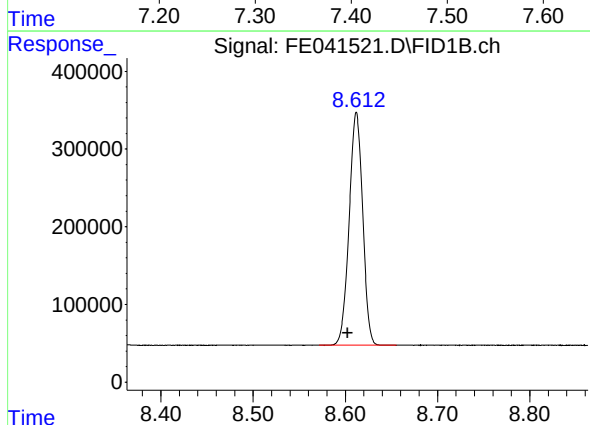
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.418 min
Delta R.T.: 0.014 min
Response: 3254008
Conc: 20.18 ug/ml

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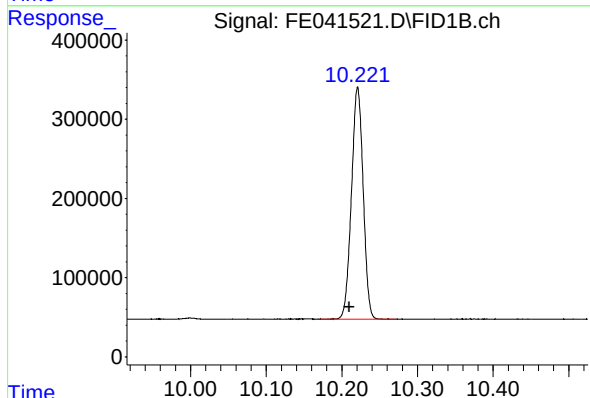
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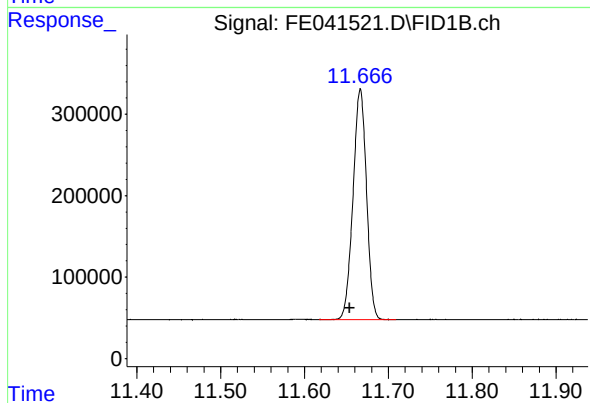
#6 n-Tetradecane (C14)

R.T.: 8.612 min
Delta R.T.: 0.010 min
Response: 3058228
Conc: 20.13 ug/ml



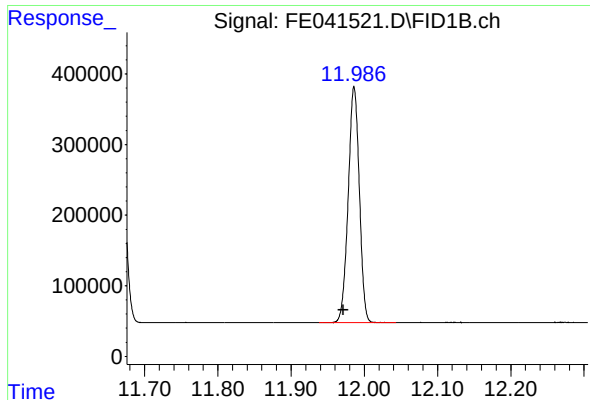
#7 n-Hexadecane (C16)

R.T.: 10.221 min
Delta R.T.: 0.011 min
Response: 3151584
Conc: 19.75 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.667 min
Delta R.T.: 0.013 min
Response: 3166621
Conc: 19.32 ug/ml



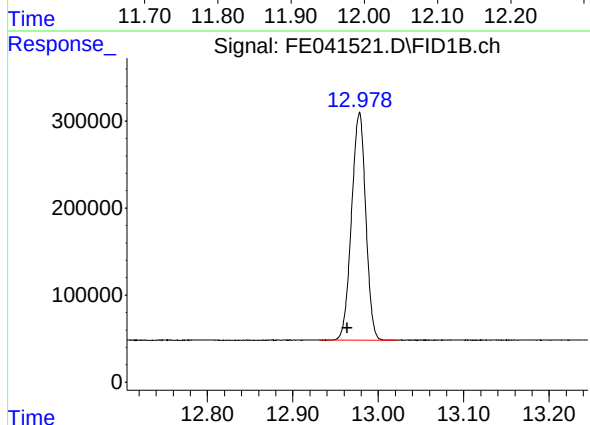
#9 ortho-Terphenyl (SURR)

R.T.: 11.986 min
Delta R.T.: 0.014 min
Response: 3535211
Conc: 18.84 ug/ml

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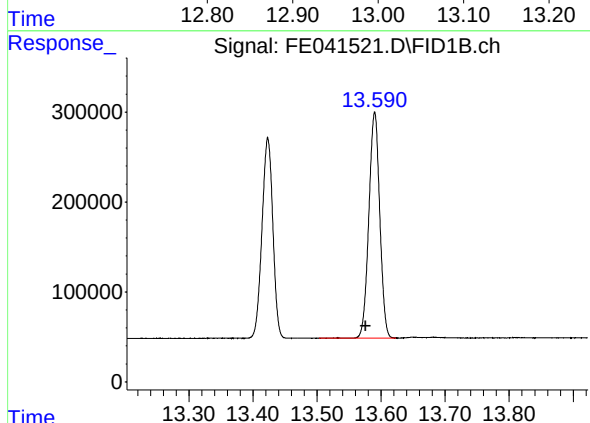
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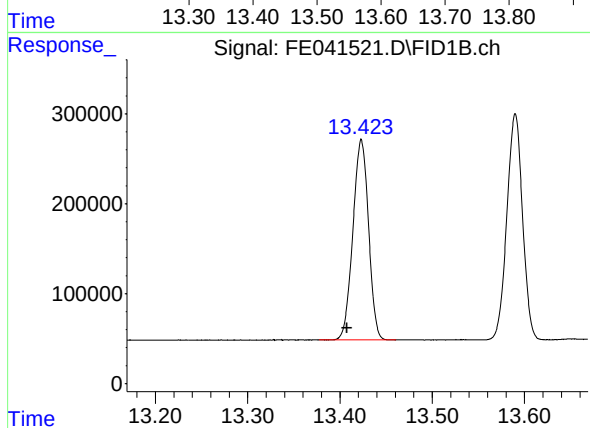
#10 n-Eicosane (C20)

R.T.: 12.978 min
Delta R.T.: 0.014 min
Response: 3024577
Conc: 18.80 ug/ml



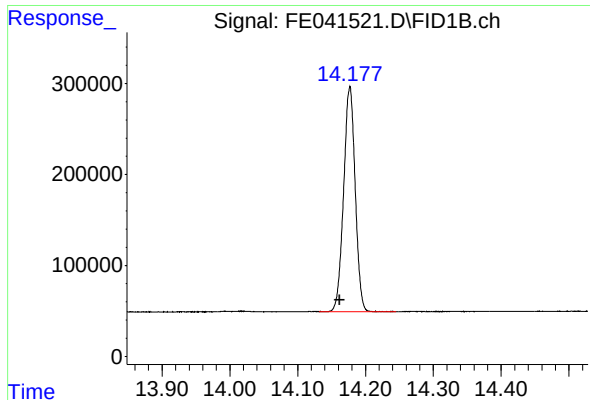
#11 n-Heneicosane (C21)

R.T.: 13.590 min
Delta R.T.: 0.014 min
Response: 2967743
Conc: 18.62 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.423 min
Delta R.T.: 0.016 min
Response: 2623066
Conc: 18.57 ug/ml



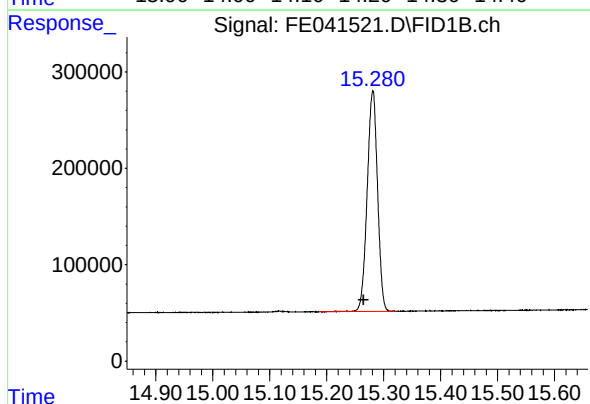
#13 n-Docosane (C22)

R.T.: 14.177 min
Delta R.T.: 0.015 min
Response: 2931951
Conc: 18.40 ug/ml

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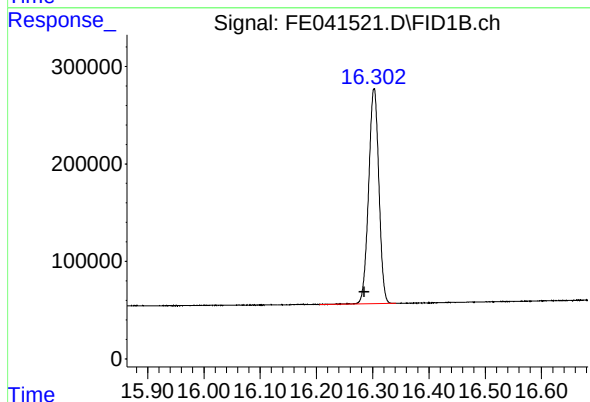
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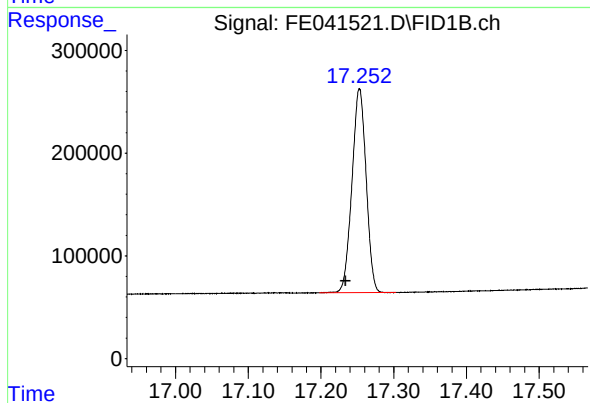
#14 n-Tetracosane (C24)

R.T.: 15.281 min
Delta R.T.: 0.016 min
Response: 2899903
Conc: 17.99 ug/ml



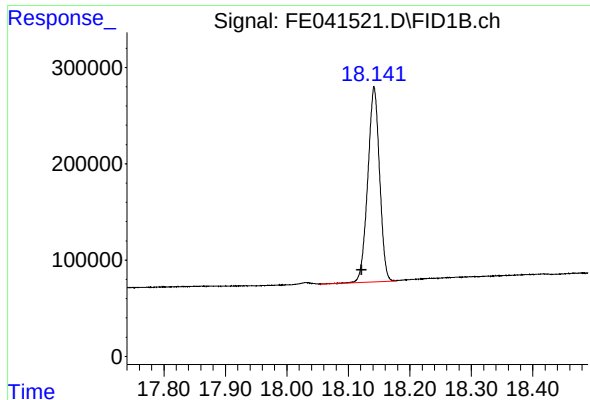
#15 n-Hexacosane (C26)

R.T.: 16.303 min
Delta R.T.: 0.018 min
Response: 2795009
Conc: 17.68 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.252 min
Delta R.T.: 0.018 min
Response: 2684032
Conc: 17.44 ug/ml m



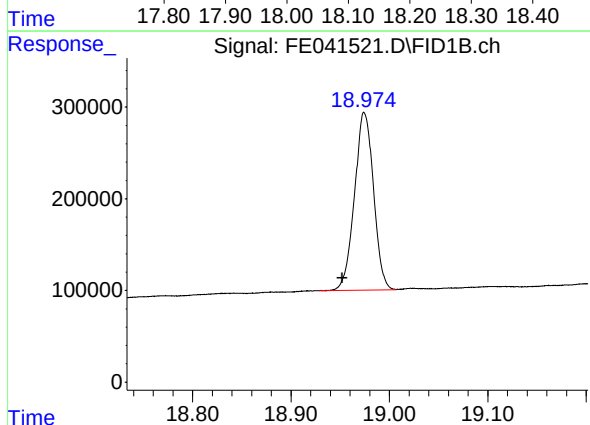
#17 n-Tricontane (C30)

R.T.: 18.142 min
Delta R.T.: 0.020 min
Response: 2699003
Conc: 17.72 ug/ml

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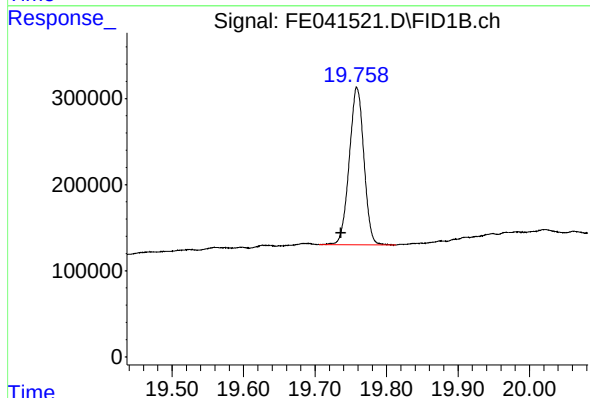
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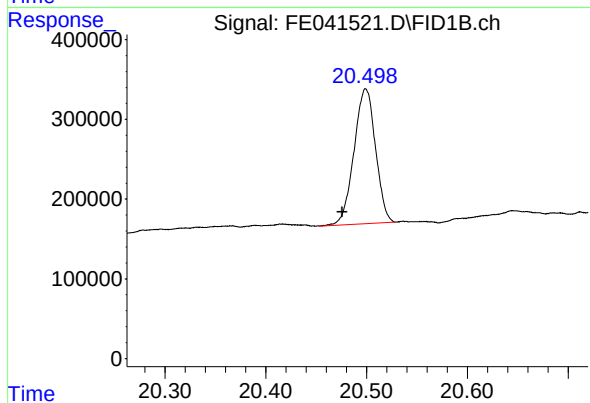
#18 n-Dotriacontane (C32)

R.T.: 18.974 min
Delta R.T.: 0.021 min
Response: 2605560
Conc: 17.49 ug/ml m



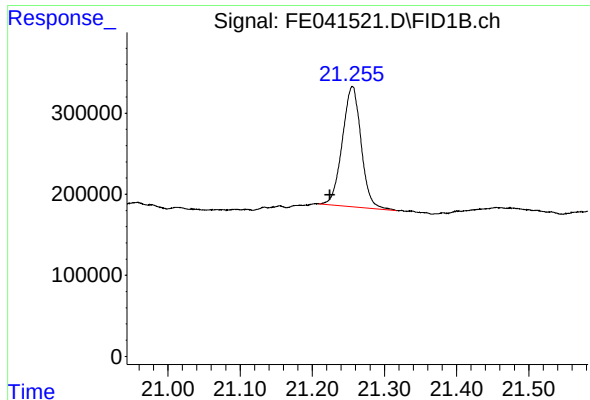
#19 n-Tetratriacontane (C34)

R.T.: 19.758 min
Delta R.T.: 0.022 min
Response: 2609517
Conc: 18.52 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.498 min
Delta R.T.: 0.022 min
Response: 2507430
Conc: 18.75 ug/ml m



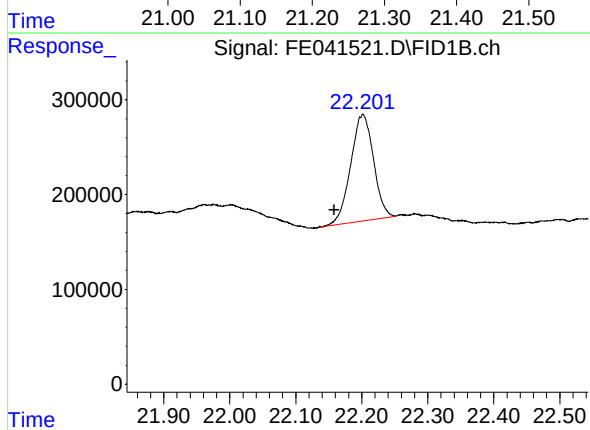
#21 n-Octatriacontane (C38)

R.T.: 21.255 min
Delta R.T.: 0.030 min
Response: 2696684
Conc: 20.41 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.201 min
Delta R.T.: 0.042 min
Response: 2696791
Conc: 21.30 ug/ml m