

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112823AL\
 Data File : FE045562.D
 Signal(s) : FID1B.ch
 Acq On : 28 Nov 2023 20:18
 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 11/29/2023
 Supervised By :Ankita Jodhani 11/29/2023

Integration File: autoint1.e
 Quant Time: Nov 28 23:07:23 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110423.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 04 05:16:05 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)	11.866	3789802	19.849 ug/ml
Spiked Amount 50.000		Recovery =	39.70%
12) S 1-chlorooctadecane (S...	13.308	2718838	19.739 ug/ml
Spiked Amount 50.000		Recovery =	39.48%
Target Compounds			
1) T n-Nonane (C9)	3.254	3267220	19.777 ug/ml
2) T n-Decane (C10)	4.505	3348701	19.971 ug/ml
3) T A~Naphthalene (C11.7)	6.205	3513785	19.685 ug/ml
4) T n-Dodecane (C12)	6.671	3368749	19.947 ug/ml
5) T A~2-methylnaphthalene...	7.301	3371607	19.635 ug/ml
6) T n-Tetradecane (C14)	8.498	3305636	19.834 ug/ml
7) T n-Hexadecane (C16)	10.108	3324350	19.764 ug/ml
8) T n-Octadecane (C18)	11.552	3301532	19.726 ug/ml
10) T n-Eicosane (C20)	12.864	3140825	19.827 ug/ml
11) T n-Heneicosane (C21)	13.476	3051233	19.844 ug/ml
13) T n-Docosane (C22)	14.063	3016665	19.910 ug/ml
14) T n-Tetracosane (C24)	15.169	3031343	20.467 ug/ml
15) T n-Hexacosane (C26)	16.191	2970136	20.378 ug/ml
16) T n-Octacosane (C28)	17.143	3005562	20.568 ug/ml
17) T n-Tricontane (C30)	18.033	3110079	20.475 ug/ml
18) T n-Dotriacontane (C32)	18.867	3162203	20.242 ug/mlm
19) T n-Tetratriacontane (C34)	19.655	3131686	20.057 ug/mlm
20) T n-Hexatriacontane (C36)	20.394	3129316	19.279 ug/ml
21) T n-Octatriacontane (C38)	21.128	3597517	21.653 ug/mlm
22) T n-Tetracontane (C40)	22.033	2982896	17.464 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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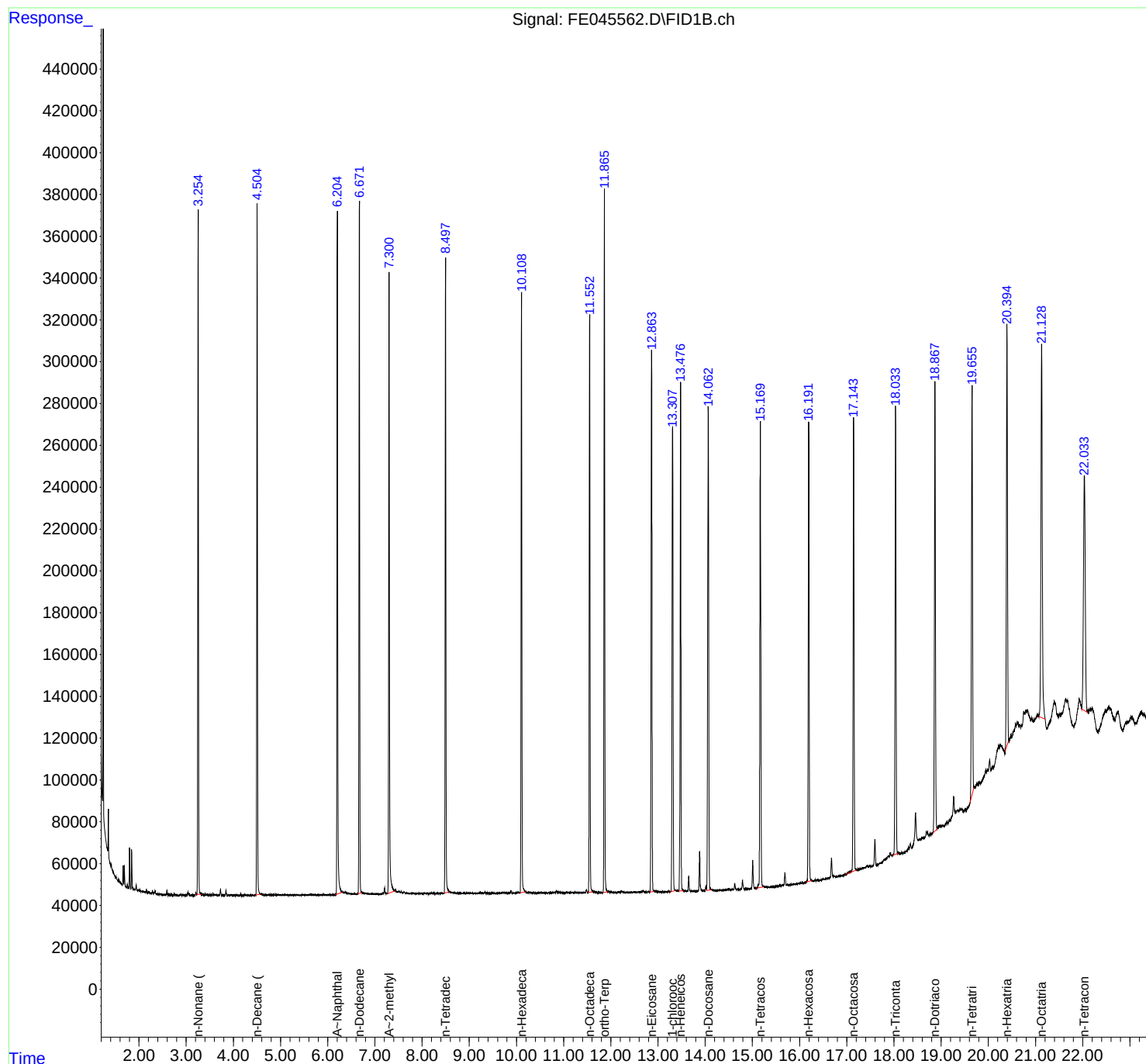
Instrument :
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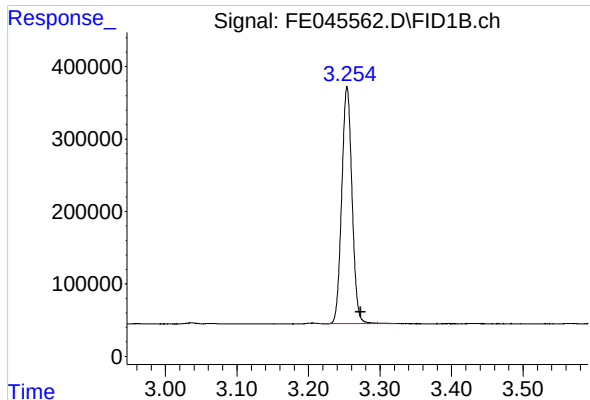
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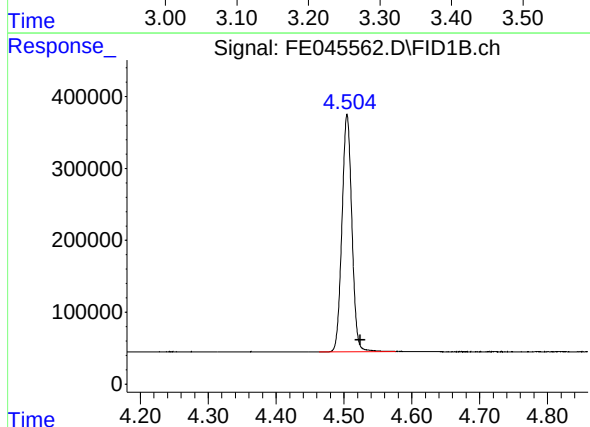
#1 n-Nonane (C9)

R.T.: 3.254 min
Delta R.T.: -0.019 min
Response: 3267220
Conc: 19.78 ug/ml

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20 PPM ALIPHATIC HC STD

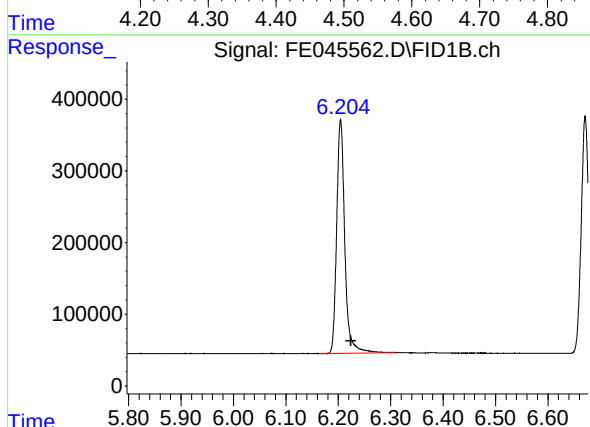
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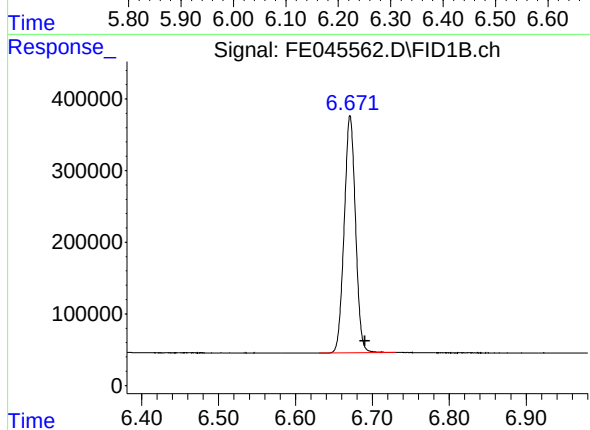
#2 n-Decane (C10)

R.T.: 4.505 min
Delta R.T.: -0.020 min
Response: 3348701
Conc: 19.97 ug/ml



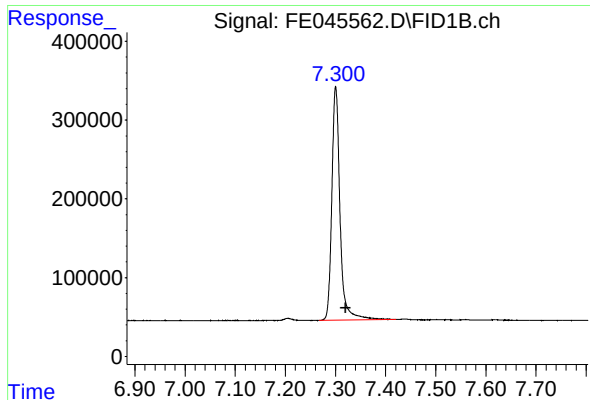
#3 A~Naphthalene (C11.7)

R.T.: 6.205 min
Delta R.T.: -0.020 min
Response: 3513785
Conc: 19.69 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.671 min
Delta R.T.: -0.019 min
Response: 3368749
Conc: 19.95 ug/ml



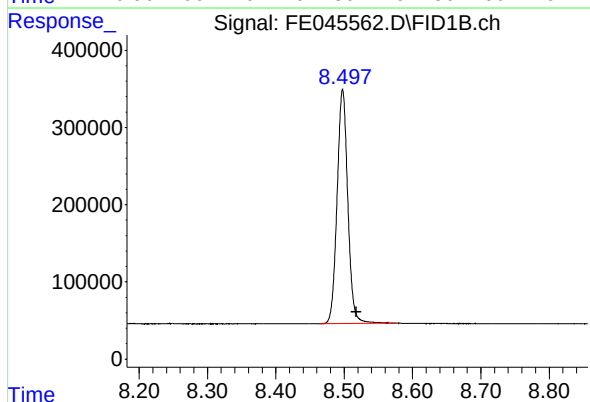
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.301 min
Delta R.T.: -0.020 min
Response: 3371607
Conc: 19.63 ug/ml

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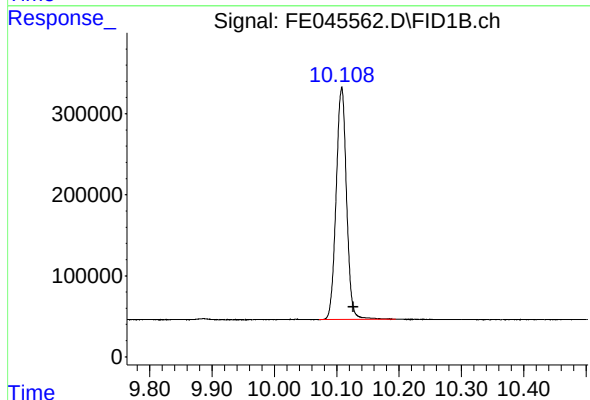
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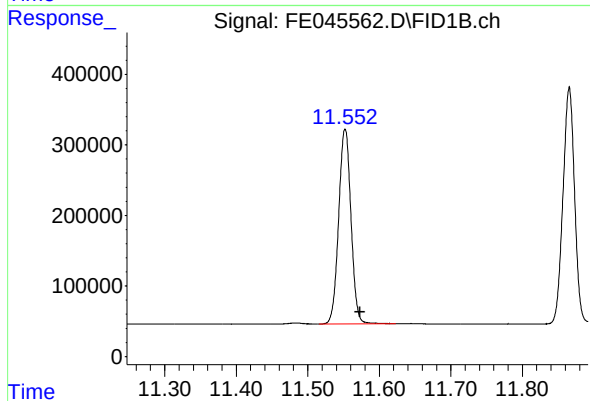
#6 n-Tetradecane (C14)

R.T.: 8.498 min
Delta R.T.: -0.020 min
Response: 3305636
Conc: 19.83 ug/ml



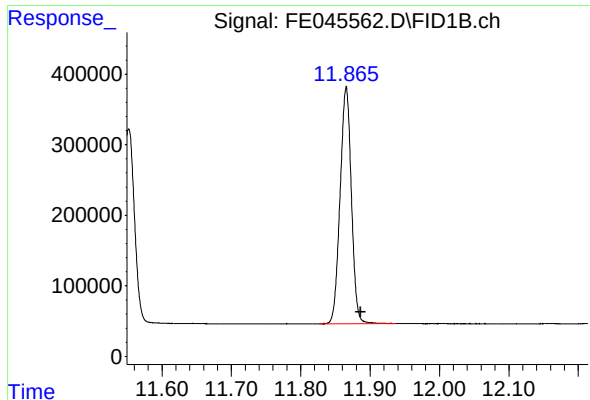
#7 n-Hexadecane (C16)

R.T.: 10.108 min
Delta R.T.: -0.019 min
Response: 3324350
Conc: 19.76 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.552 min
Delta R.T.: -0.021 min
Response: 3301532
Conc: 19.73 ug/ml



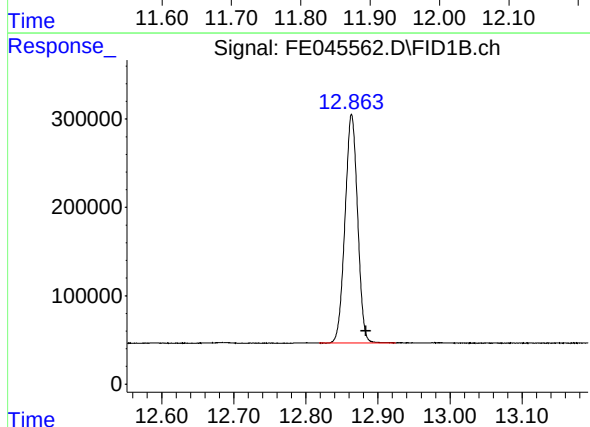
#9 ortho-Terphenyl (SURR)

R.T.: 11.866 min
Delta R.T.: -0.021 min
Response: 3789802
Conc: 19.85 ug/ml

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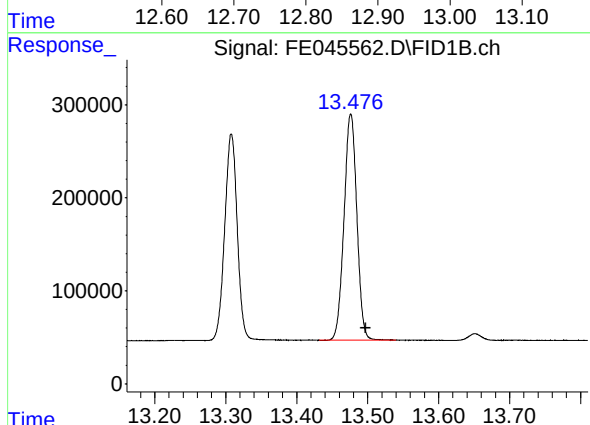
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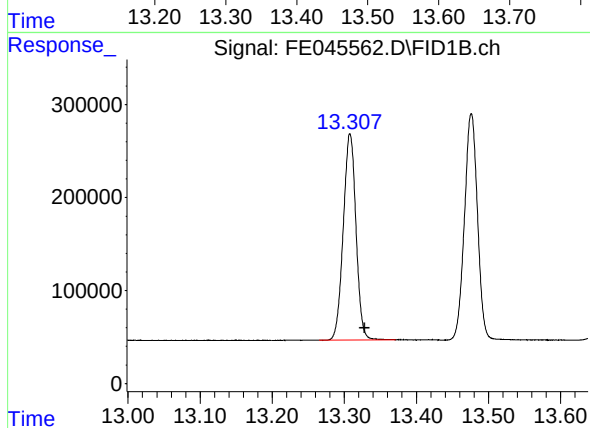
#10 n-Eicosane (C20)

R.T.: 12.864 min
Delta R.T.: -0.020 min
Response: 3140825
Conc: 19.83 ug/ml



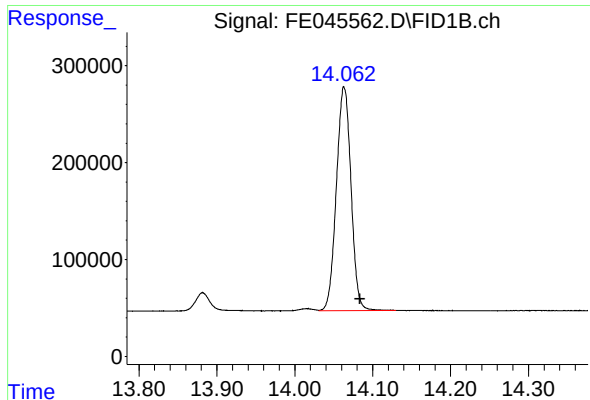
#11 n-Heneicosane (C21)

R.T.: 13.476 min
Delta R.T.: -0.021 min
Response: 3051233
Conc: 19.84 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.308 min
Delta R.T.: -0.020 min
Response: 2718838
Conc: 19.74 ug/ml



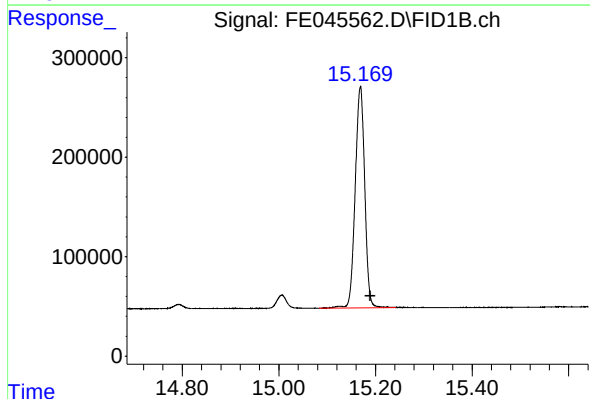
#13 n-Docosane (C22)

R.T.: 14.063 min
Delta R.T.: -0.021 min
Response: 3016665
Conc: 19.91 ug/ml

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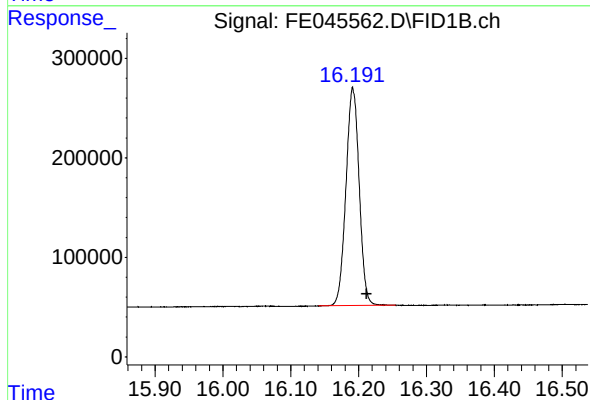
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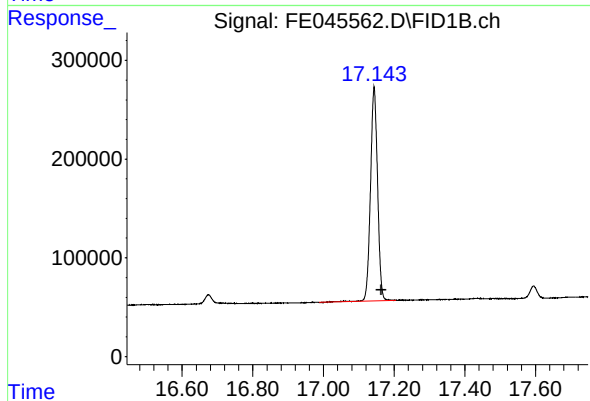
#14 n-Tetracosane (C24)

R.T.: 15.169 min
Delta R.T.: -0.020 min
Response: 3031343
Conc: 20.47 ug/ml



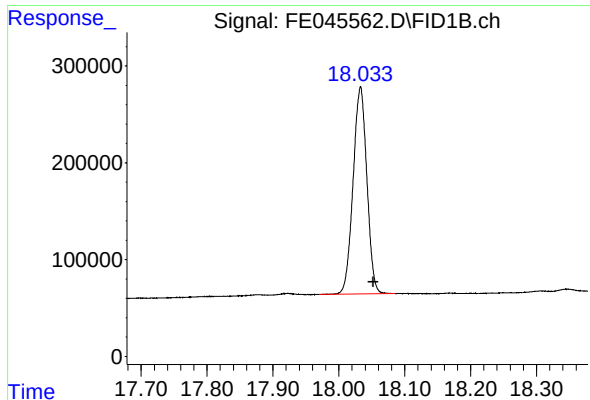
#15 n-Hexacosane (C26)

R.T.: 16.191 min
Delta R.T.: -0.020 min
Response: 2970136
Conc: 20.38 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.143 min
Delta R.T.: -0.020 min
Response: 3005562
Conc: 20.57 ug/ml



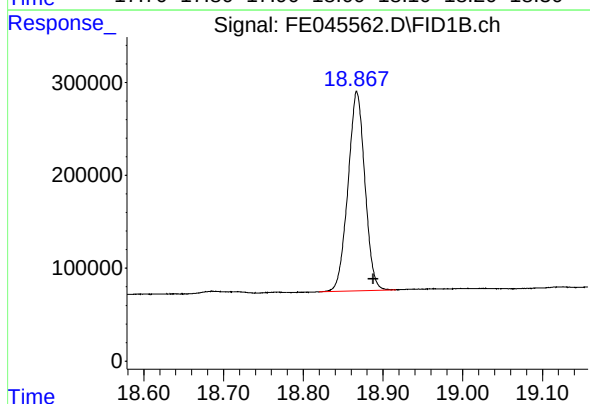
#17 n-Tricontane (C30)

R.T.: 18.033 min
Delta R.T.: -0.020 min
Response: 3110079
Conc: 20.47 ug/ml

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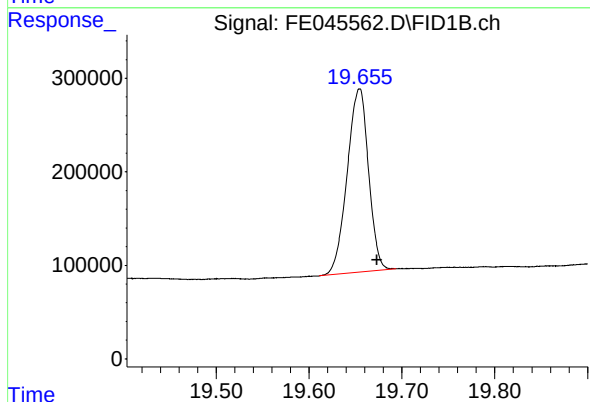
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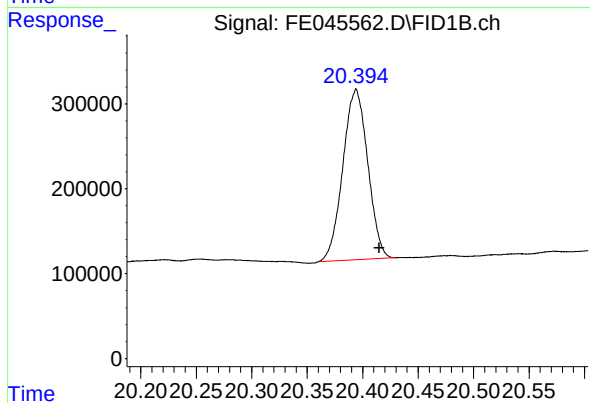
#18 n-Dotriacontane (C32)

R.T.: 18.867 min
Delta R.T.: -0.021 min
Response: 3162203
Conc: 20.24 ug/ml m



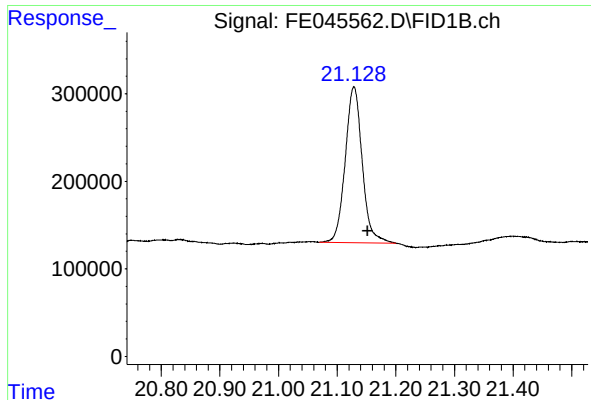
#19 n-Tetratriacontane (C34)

R.T.: 19.655 min
Delta R.T.: -0.018 min
Response: 3131686
Conc: 20.06 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.394 min
Delta R.T.: -0.021 min
Response: 3129316
Conc: 19.28 ug/ml



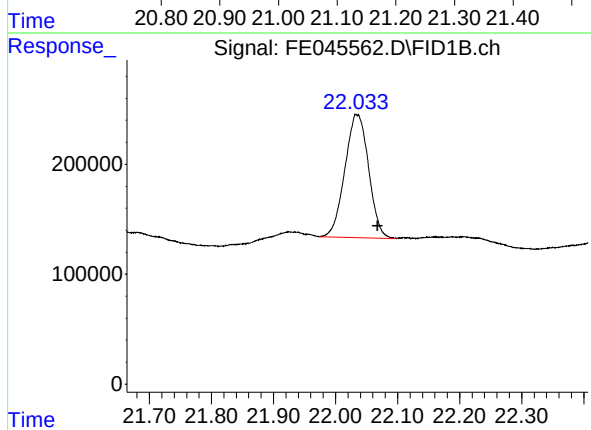
#21 n-Octatriacontane (C38)

R.T.: 21.128 min
Delta R.T.: -0.024 min
Response: 3597517
Conc: 21.65 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.033 min
Delta R.T.: -0.035 min
Response: 2982896
Conc: 17.46 ug/ml m