

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061523AL\
 Data File : FE042624.D
 Signal(s) : FID1B.ch
 Acq On : 15 Jun 2023 08:58
 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 06/16/2023
 Supervised By :Ankita Jodhani 06/16/2023

Integration File: autoint1.e
 Quant Time: Jun 16 00:32:26 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051823.M
 Quant Title : GC Extractables
 QLast Update : Thu May 18 06:27:12 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)	11.939	3555826	20.137 ug/ml
Spiked Amount 50.000		Recovery =	40.27%
12) S 1-chlorooctadecane (S...	13.375	2632263	19.810 ug/ml
Spiked Amount 50.000		Recovery =	39.62%
Target Compounds			
1) T n-Nonane (C9)	3.318	2899201	20.106 ug/ml
2) T n-Decane (C10)	4.570	3088798	20.865 ug/ml
3) T A~Naphthalene (C11.7)	6.279	3317692	20.334 ug/ml
4) T n-Dodecane (C12)	6.739	3124750	20.838 ug/ml
5) T A~2-methylnaphthalene...	7.376	3193598	20.123 ug/ml
6) T n-Tetradecane (C14)	8.568	3095838	20.665 ug/ml
7) T n-Hexadecane (C16)	10.176	3213448	20.629 ug/ml
8) T n-Octadecane (C18)	11.620	3235940	20.463 ug/ml
10) T n-Eicosane (C20)	12.930	3079893	20.318 ug/ml
11) T n-Heneicosane (C21)	13.542	2993145	20.203 ug/ml
13) T n-Docosane (C22)	14.129	2940425	20.058 ug/ml
14) T n-Tetracosane (C24)	15.232	2876234	19.925 ug/ml
15) T n-Hexacosane (C26)	16.254	2809890	20.288 ug/ml
16) T n-Octacosane (C28)	17.204	2860218	21.364 ug/ml
17) T n-Tricontane (C30)	18.091	3169398	23.479 ug/ml
18) T n-Dotriacontane (C32)	18.924	3275871	24.522 ug/ml
19) T n-Tetratriacontane (C34)	19.708	3120132	23.725 ug/ml
20) T n-Hexatriacontane (C36)	20.448	2988583	22.994 ug/ml
21) T n-Octatriacontane (C38)	21.194	2994589	22.072 ug/mlm
22) T n-Tetracontane (C40)	22.127	3049710	21.922 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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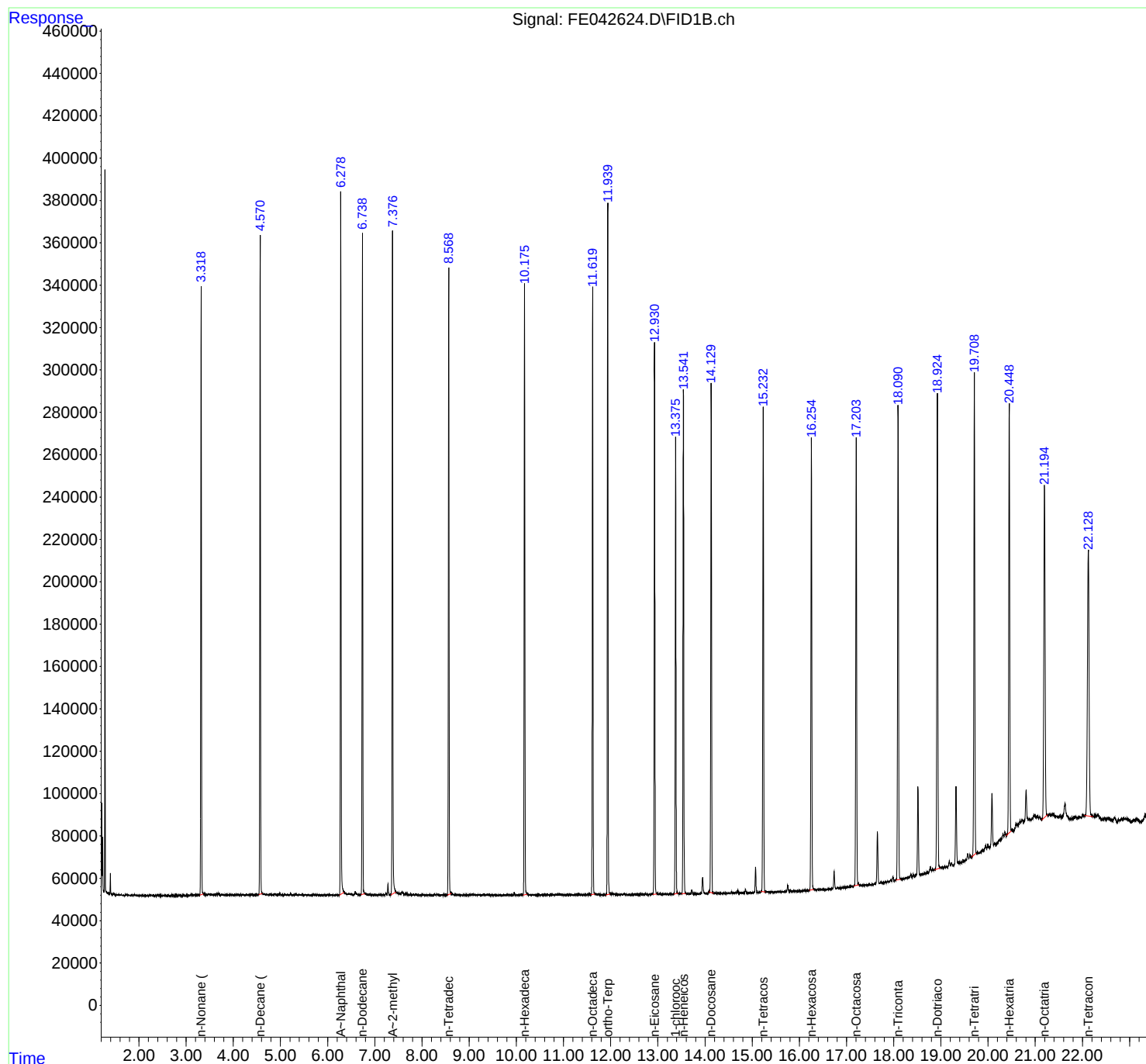
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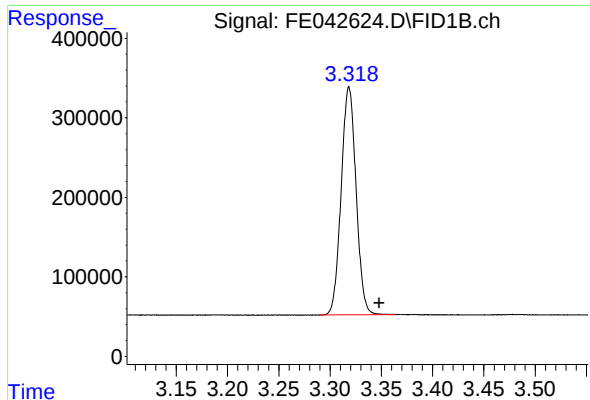
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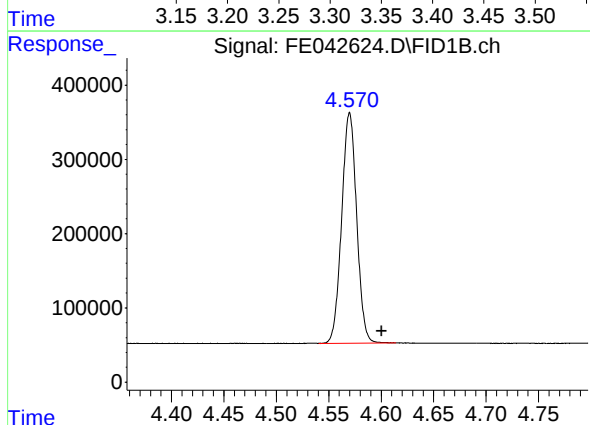
#1 n-Nonane (C9)

R.T.: 3.318 min
Delta R.T.: -0.030 min
Response: 2899201
Conc: 20.11 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

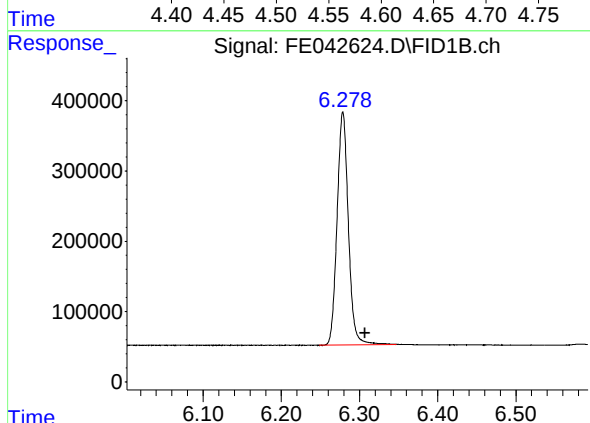
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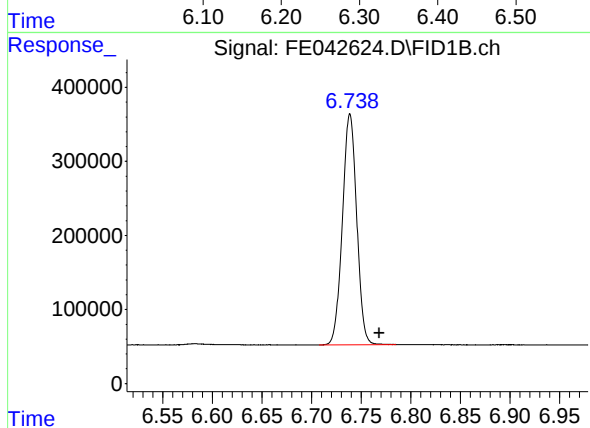
#2 n-Decane (C10)

R.T.: 4.570 min
Delta R.T.: -0.031 min
Response: 3088798
Conc: 20.87 ug/ml



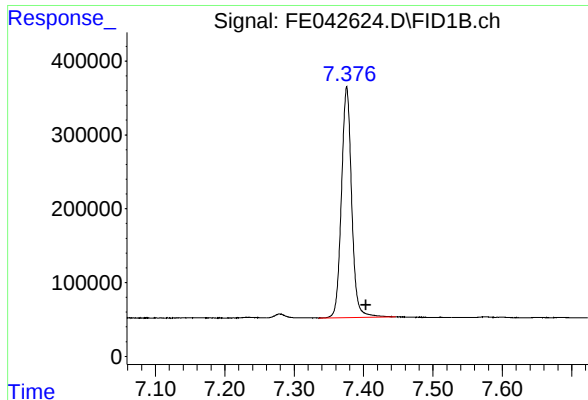
#3 A~Naphthalene (C11.7)

R.T.: 6.279 min
Delta R.T.: -0.028 min
Response: 3317692
Conc: 20.33 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.739 min
Delta R.T.: -0.030 min
Response: 3124750
Conc: 20.84 ug/ml



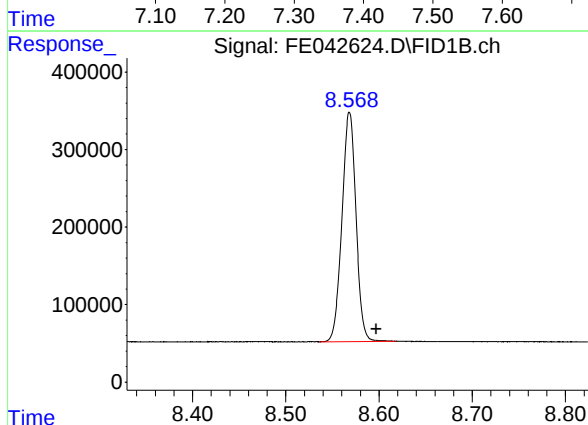
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.376 min
Delta R.T.: -0.028 min
Response: 3193598
Conc: 20.12 ug/ml

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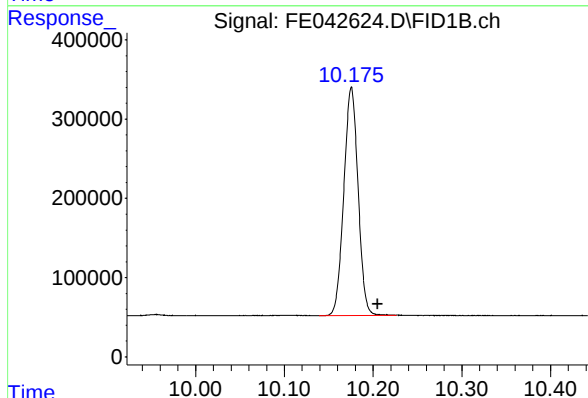
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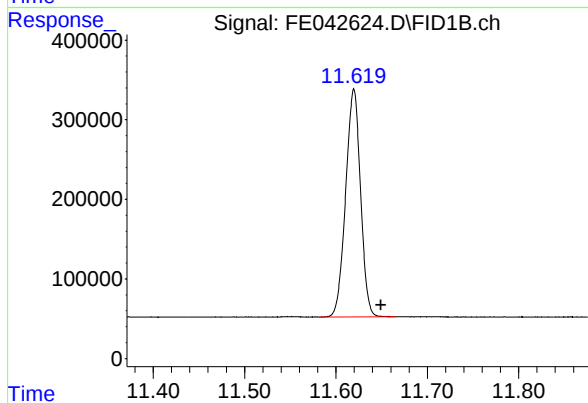
#6 n-Tetradecane (C14)

R.T.: 8.568 min
Delta R.T.: -0.029 min
Response: 3095838
Conc: 20.67 ug/ml



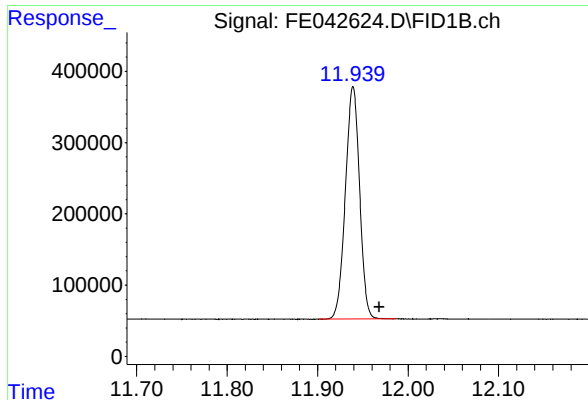
#7 n-Hexadecane (C16)

R.T.: 10.176 min
Delta R.T.: -0.030 min
Response: 3213448
Conc: 20.63 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.620 min
Delta R.T.: -0.029 min
Response: 3235940
Conc: 20.46 ug/ml



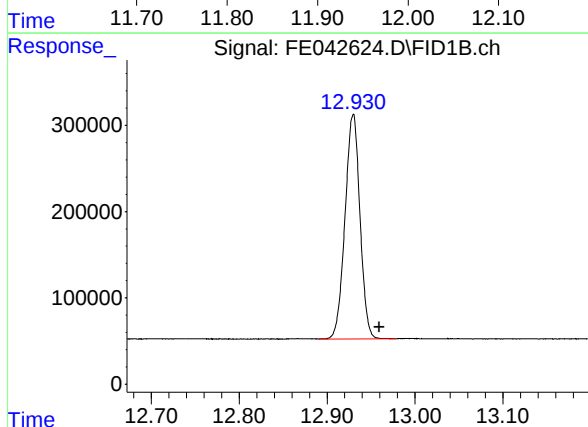
#9 ortho-Terphenyl (SURR)

R.T.: 11.939 min
Delta R.T.: -0.029 min
Response: 3555826
Conc: 20.14 ug/ml

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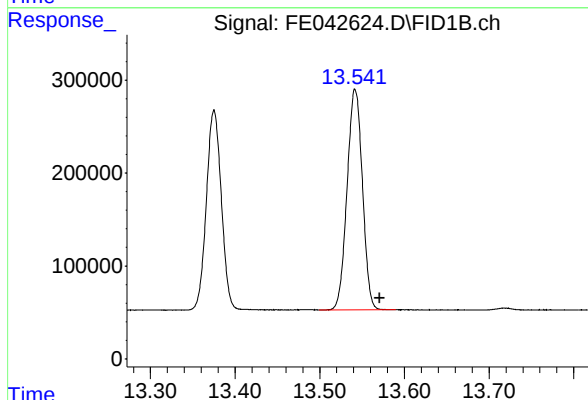
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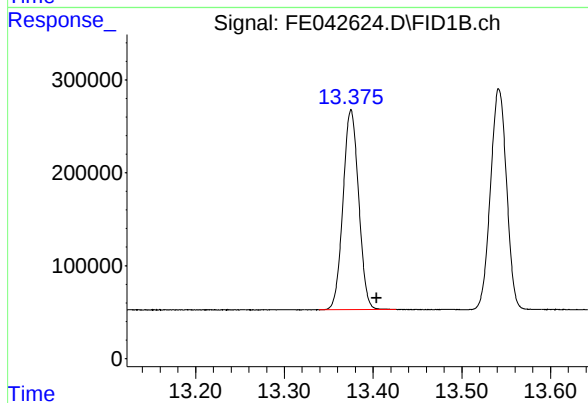
#10 n-Eicosane (C20)

R.T.: 12.930 min
Delta R.T.: -0.029 min
Response: 3079893
Conc: 20.32 ug/ml



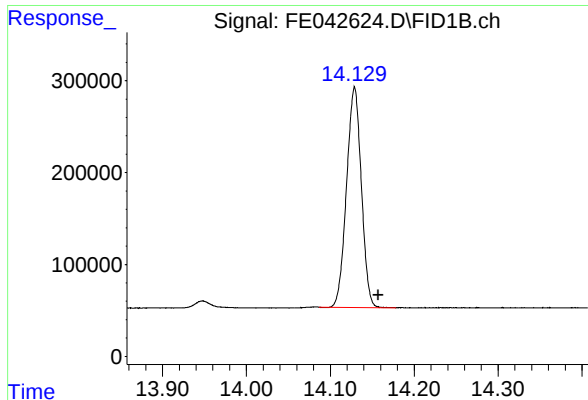
#11 n-Heneicosane (C21)

R.T.: 13.542 min
Delta R.T.: -0.029 min
Response: 2993145
Conc: 20.20 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.375 min
Delta R.T.: -0.029 min
Response: 2632263
Conc: 19.81 ug/ml



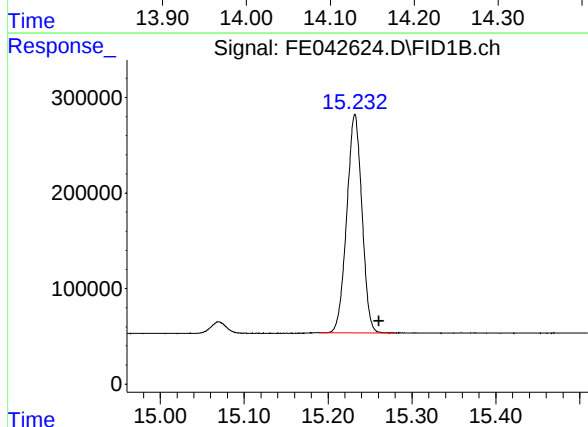
#13 n-Docosane (C22)

R.T.: 14.129 min
Delta R.T.: -0.028 min
Response: 2940425
Conc: 20.06 ug/ml

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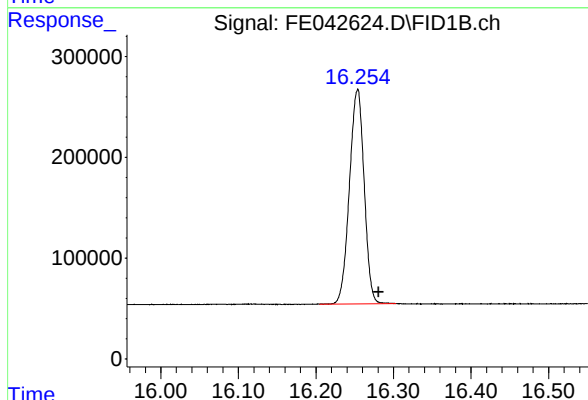
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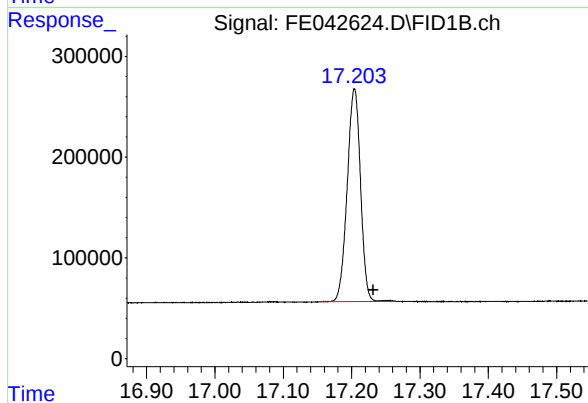
#14 n-Tetracosane (C24)

R.T.: 15.232 min
Delta R.T.: -0.029 min
Response: 2876234
Conc: 19.92 ug/ml



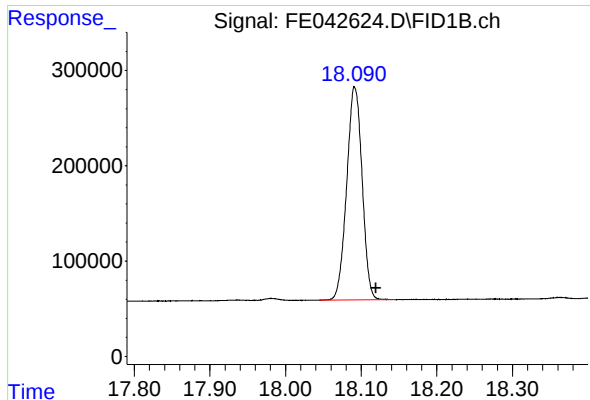
#15 n-Hexacosane (C26)

R.T.: 16.254 min
Delta R.T.: -0.027 min
Response: 2809890
Conc: 20.29 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.204 min
Delta R.T.: -0.028 min
Response: 2860218
Conc: 21.36 ug/ml



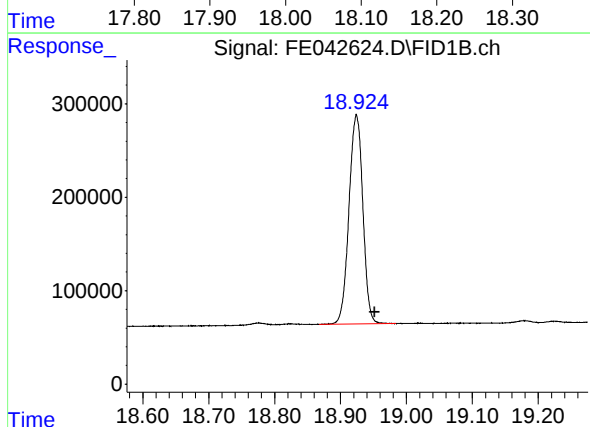
#17 n-Tricontane (C30)

R.T.: 18.091 min
Delta R.T.: -0.028 min
Response: 3169398
Conc: 23.48 ug/ml

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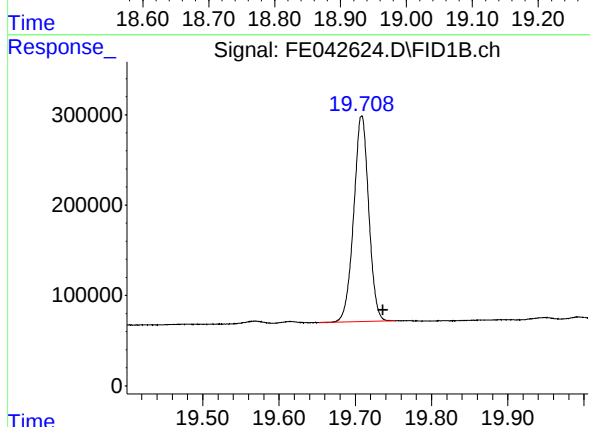
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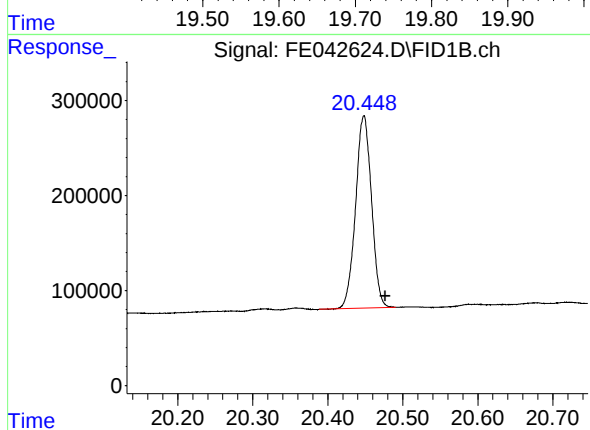
#18 n-Dotriacontane (C32)

R.T.: 18.924 min
Delta R.T.: -0.028 min
Response: 3275871
Conc: 24.52 ug/ml



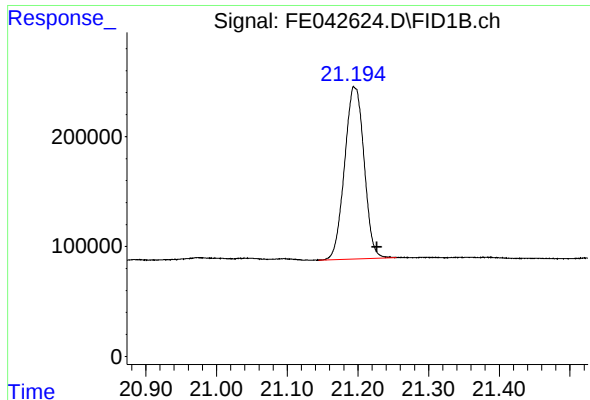
#19 n-Tetatriacontane (C34)

R.T.: 19.708 min
Delta R.T.: -0.028 min
Response: 3120132
Conc: 23.73 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.448 min
Delta R.T.: -0.029 min
Response: 2988583
Conc: 22.99 ug/ml



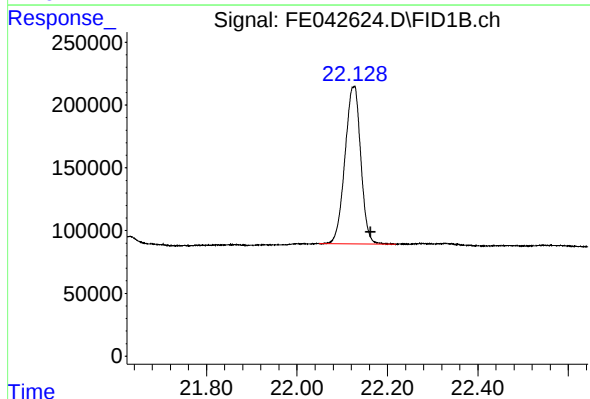
#21 n-Octatriacontane (C38)

R.T.: 21.194 min
Delta R.T.: -0.034 min
Response: 2994589
Conc: 22.07 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.127 min
Delta R.T.: -0.036 min
Response: 3049710
Conc: 21.92 ug/ml