

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE060923AL\
 Data File : FE042543.D
 Signal(s) : FID1B.ch
 Acq On : 09 Jun 2023 19:27
 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 06/12/2023
 Supervised By :Ankita Jodhani 06/12/2023

Integration File: autoint1.e
 Quant Time: Jun 10 01:37:16 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)	11.944	3122834	17.685 ug/ml
Spiked Amount 50.000		Recovery =	35.37%
12) S 1-chlorooctadecane (S...	13.380	2317113	17.438 ug/ml
Spiked Amount 50.000		Recovery =	34.88%
Target Compounds			
1) T n-Nonane (C9)	3.322	2653232	18.400 ug/ml
2) T n-Decane (C10)	4.574	2754551	18.607 ug/ml
3) T A~Naphthalene (C11.7)	6.283	2939125	18.014 ug/ml
4) T n-Dodecane (C12)	6.743	2784584	18.570 ug/ml
5) T A~2-methylnaphthalene...	7.381	2826409	17.809 ug/ml
6) T n-Tetradecane (C14)	8.573	2762410	18.440 ug/ml
7) T n-Hexadecane (C16)	10.181	2855880	18.334 ug/ml
8) T n-Octadecane (C18)	11.624	2869302	18.145 ug/ml
10) T n-Eicosane (C20)	12.935	2720837	17.950 ug/ml
11) T n-Heneicosane (C21)	13.546	2641276	17.828 ug/ml
13) T n-Docosane (C22)	14.133	2628507	17.930 ug/ml
14) T n-Tetracosane (C24)	15.237	2556454	17.709 ug/ml
15) T n-Hexacosane (C26)	16.258	2524859	18.230 ug/ml
16) T n-Octacosane (C28)	17.208	2576287	19.243 ug/ml
17) T n-Tricontane (C30)	18.097	2836060	21.009 ug/ml
18) T n-Dotriacontane (C32)	18.930	2908763	21.774 ug/ml
19) T n-Tetratriacontane (C34)	19.715	2751326	20.921 ug/ml
20) T n-Hexatriacontane (C36)	20.454	2598680	19.994 ug/ml
21) T n-Octatriacontane (C38)	21.202	2627656	19.368 ug/ml
22) T n-Tetracontane (C40)	22.133	2526209	18.159 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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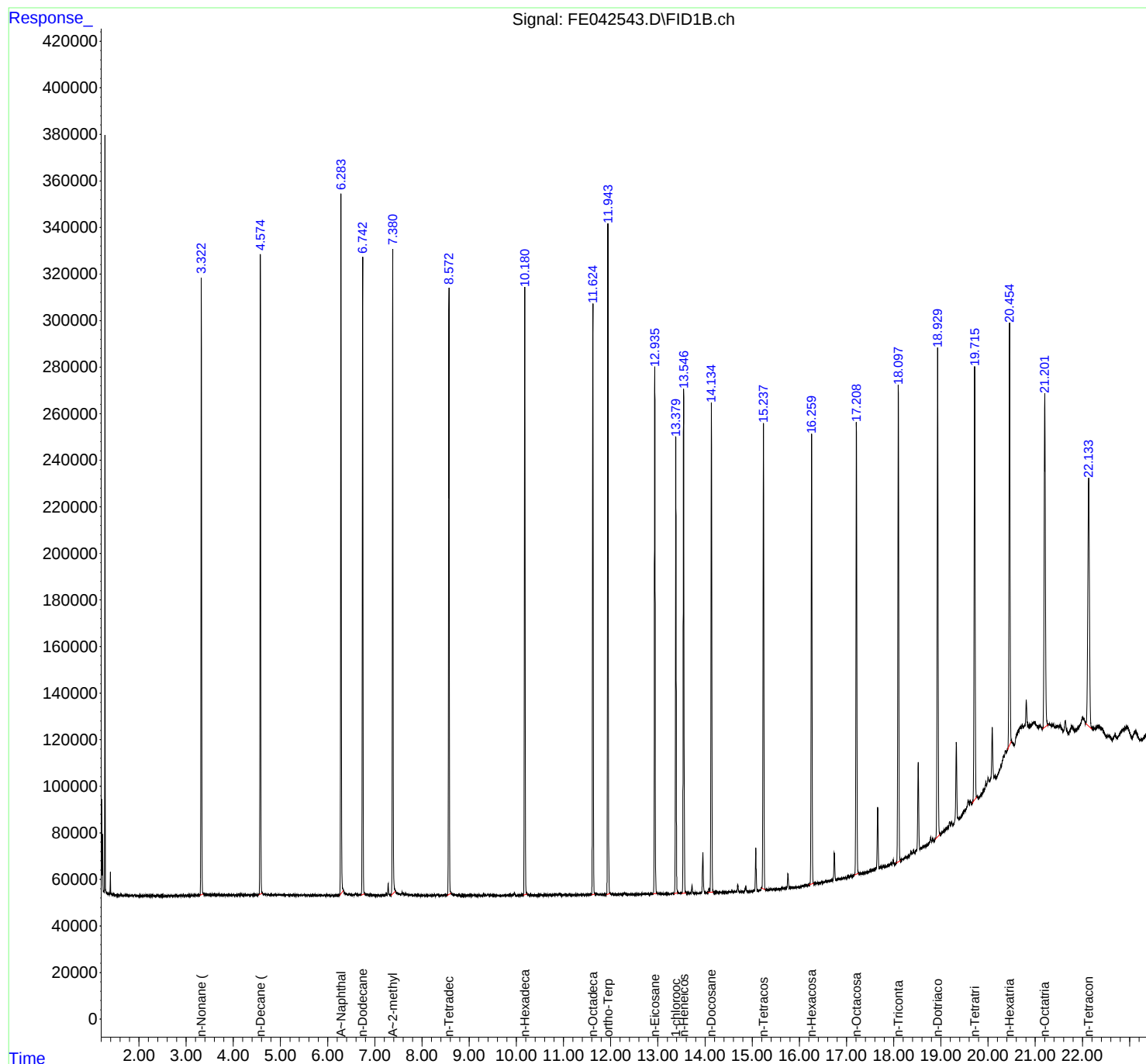
Instrument :
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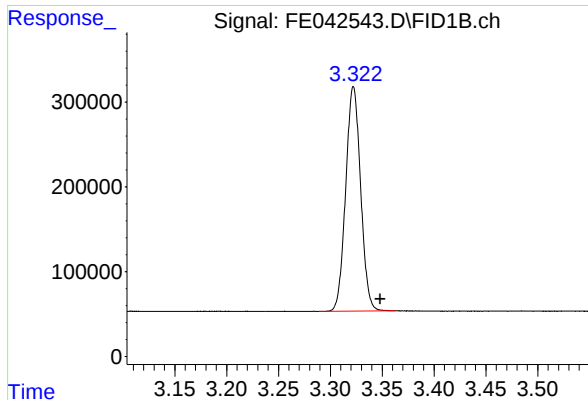
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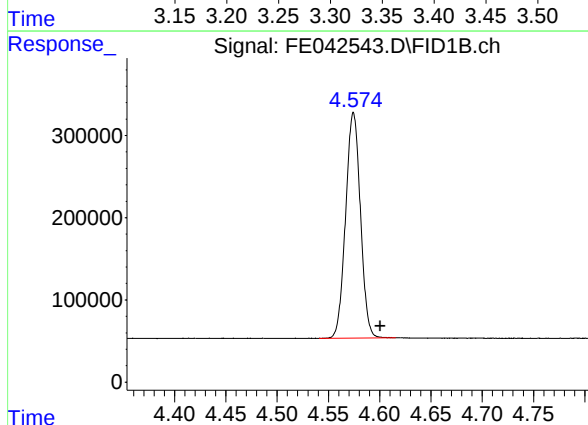
#1 n-Nonane (C9)

R.T.: 3.322 min
Delta R.T.: -0.026 min
Response: 2653232
Conc: 18.40 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

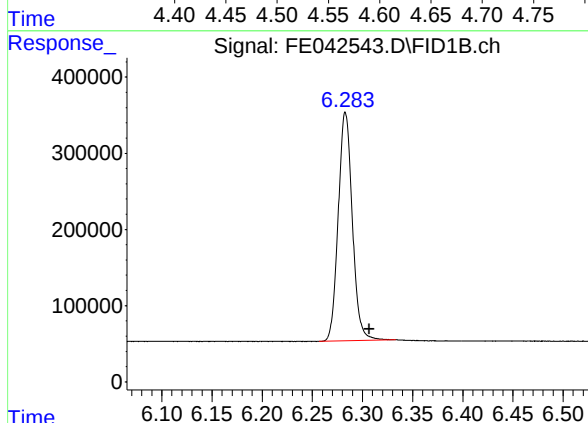
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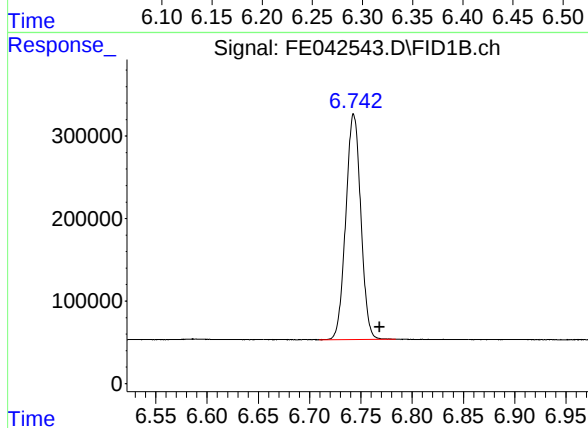
#2 n-Decane (C10)

R.T.: 4.574 min
Delta R.T.: -0.026 min
Response: 2754551
Conc: 18.61 ug/ml



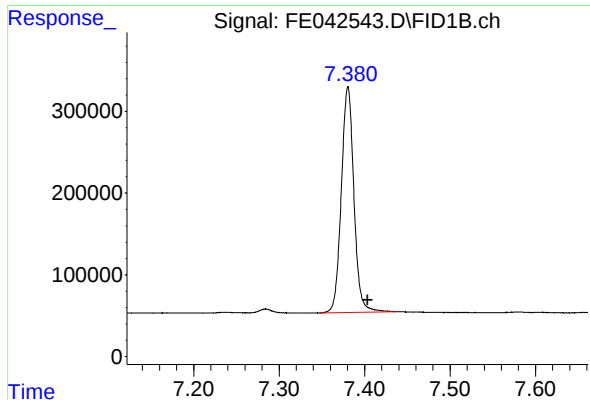
#3 A~Naphthalene (C11.7)

R.T.: 6.283 min
Delta R.T.: -0.024 min
Response: 2939125
Conc: 18.01 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.743 min
Delta R.T.: -0.025 min
Response: 2784584
Conc: 18.57 ug/ml



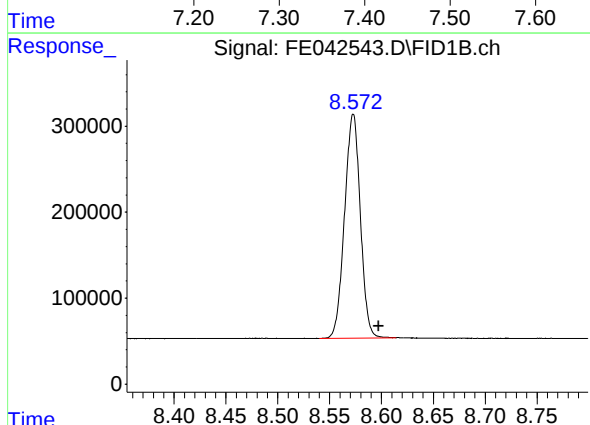
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.381 min
Delta R.T.: -0.023 min
Response: 2826409
Conc: 17.81 ug/ml

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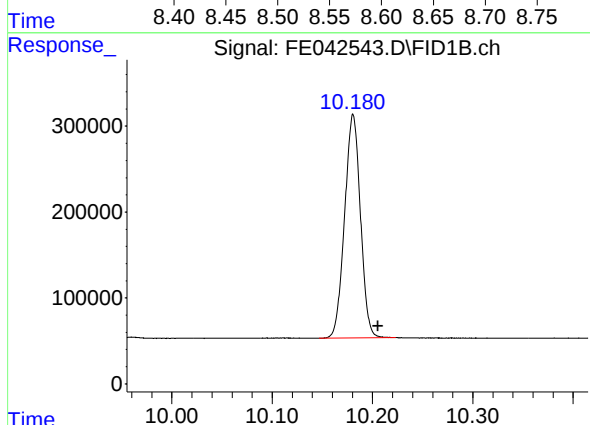
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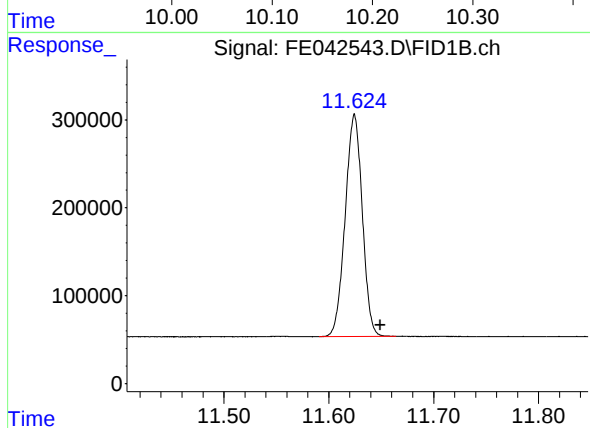
#6 n-Tetradecane (C14)

R.T.: 8.573 min
Delta R.T.: -0.024 min
Response: 2762410
Conc: 18.44 ug/ml



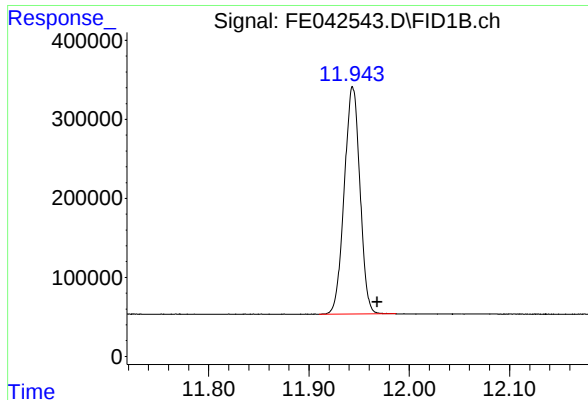
#7 n-Hexadecane (C16)

R.T.: 10.181 min
Delta R.T.: -0.025 min
Response: 2855880
Conc: 18.33 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.624 min
Delta R.T.: -0.025 min
Response: 2869302
Conc: 18.14 ug/ml



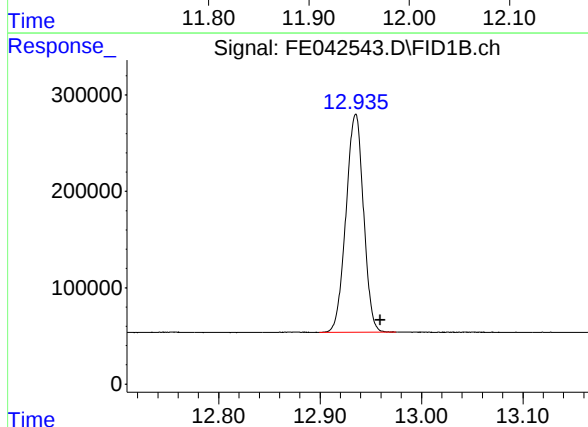
#9 ortho-Terphenyl (SURR)

R.T.: 11.944 min
Delta R.T.: -0.024 min
Response: 3122834
Conc: 17.69 ug/ml

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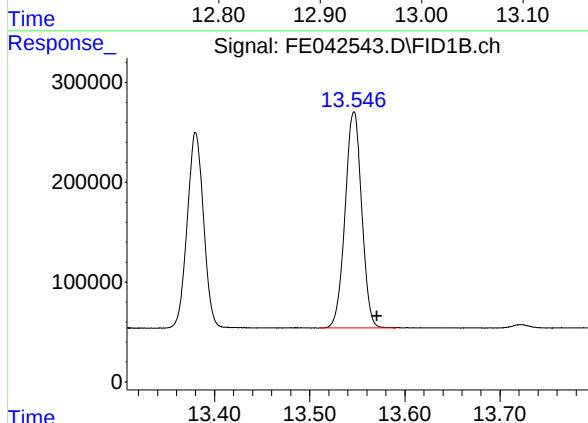
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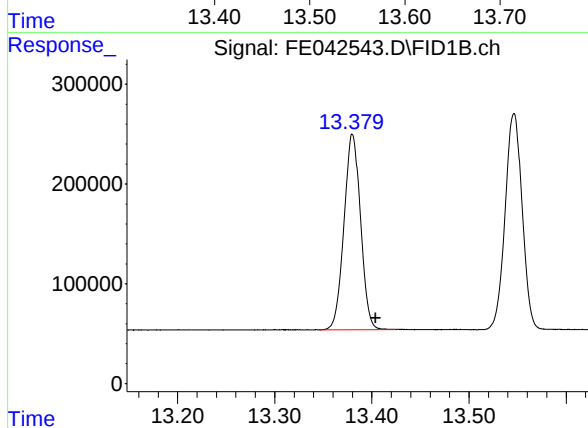
#10 n-Eicosane (C20)

R.T.: 12.935 min
Delta R.T.: -0.024 min
Response: 2720837
Conc: 17.95 ug/ml



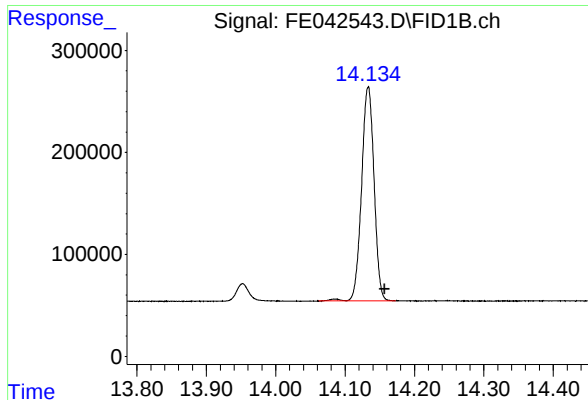
#11 n-Heneicosane (C21)

R.T.: 13.546 min
Delta R.T.: -0.024 min
Response: 2641276
Conc: 17.83 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.380 min
Delta R.T.: -0.024 min
Response: 2317113
Conc: 17.44 ug/ml



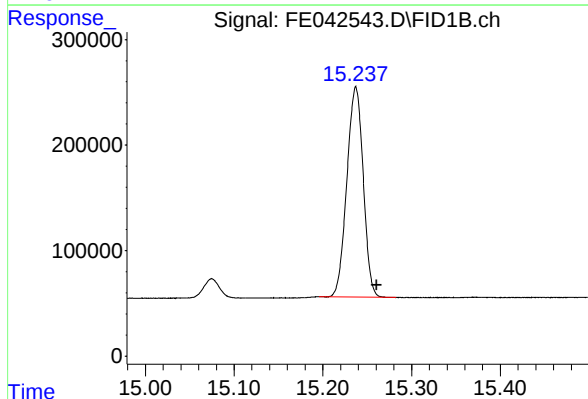
#13 n-Docosane (C22)

R.T.: 14.133 min
Delta R.T.: -0.024 min
Response: 2628507
Conc: 17.93 ug/ml

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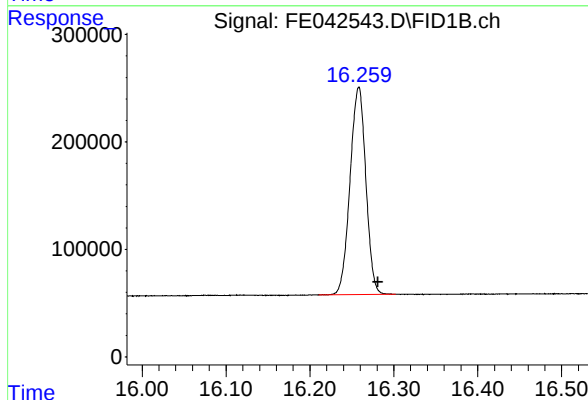
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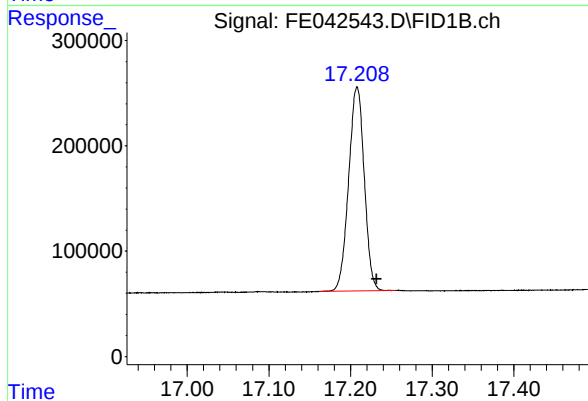
#14 n-Tetracosane (C24)

R.T.: 15.237 min
Delta R.T.: -0.024 min
Response: 2556454
Conc: 17.71 ug/ml



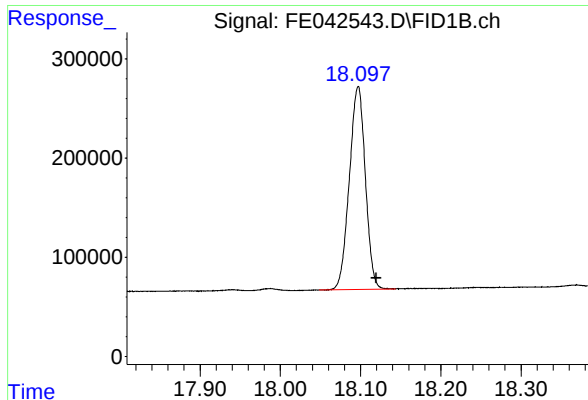
#15 n-Hexacosane (C26)

R.T.: 16.258 min
Delta R.T.: -0.023 min
Response: 2524859
Conc: 18.23 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.208 min
Delta R.T.: -0.024 min
Response: 2576287
Conc: 19.24 ug/ml



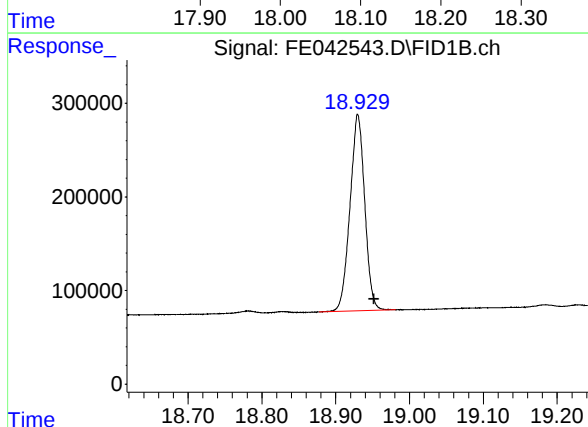
#17 n-Tricontane (C30)

R.T.: 18.097 min
Delta R.T.: -0.023 min
Response: 2836060
Conc: 21.01 ug/ml

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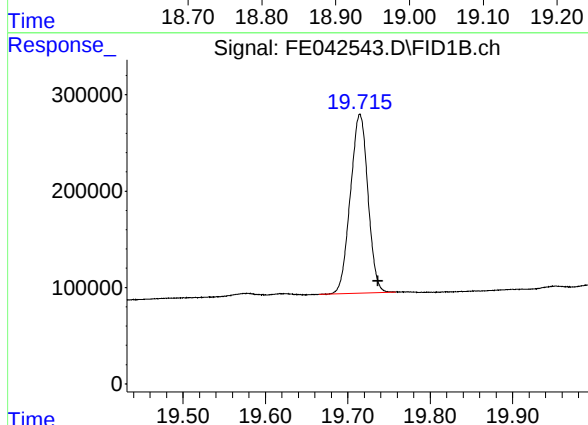
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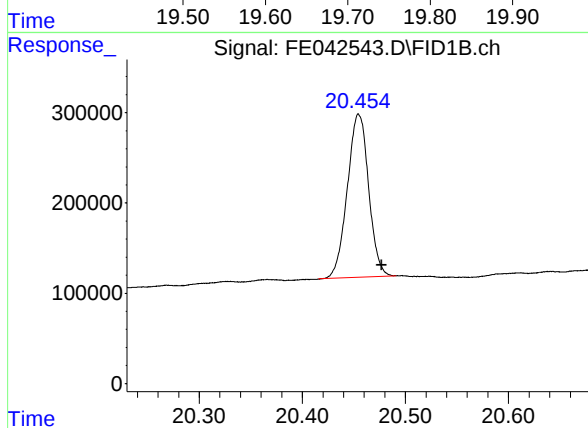
#18 n-Dotriacontane (C32)

R.T.: 18.930 min
Delta R.T.: -0.022 min
Response: 2908763
Conc: 21.77 ug/ml



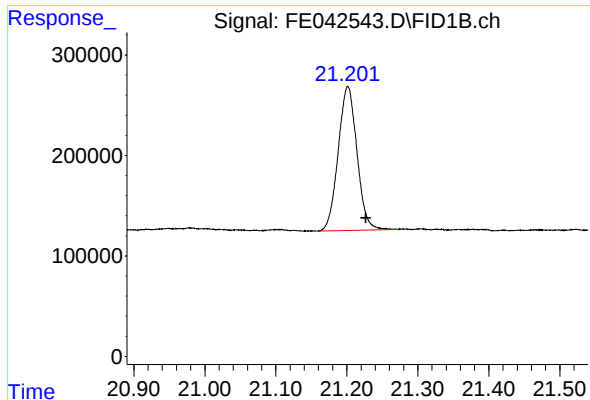
#19 n-Tetratriacontane (C34)

R.T.: 19.715 min
Delta R.T.: -0.022 min
Response: 2751326
Conc: 20.92 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.454 min
Delta R.T.: -0.023 min
Response: 2598680
Conc: 19.99 ug/ml m



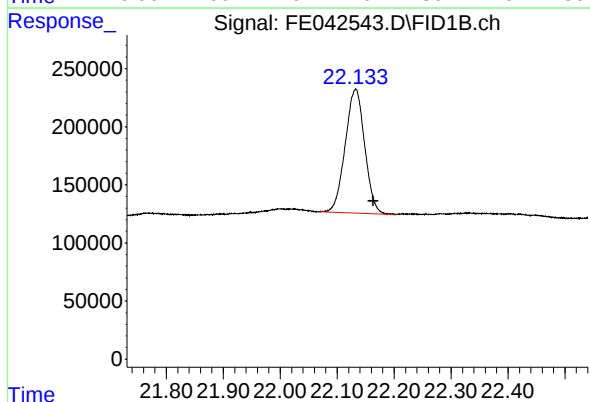
#21 n-Octatriacontane (C38)

R.T.: 21.202 min
Delta R.T.: -0.026 min
Response: 2627656
Conc: 19.37 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.133 min
Delta R.T.: -0.030 min
Response: 2526209
Conc: 18.16 ug/ml