

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE043025AL\
 Data File : FE053599.D
 Signal(s) : FID1B.ch
 Acq On : 30 Apr 2025 21:43
 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 05/01/2025
 Supervised By :mohammad ahmed 05/02/2025

Integration File: autoint1.e
 Quant Time: May 01 01:50:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 29 06:49:03 2025
 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)	11.865	3334564	18.488 ug/ml
Spiked Amount 50.000		Recovery =	36.98%
12) S 1-chlorooctadecane (S...	13.310	2469880	18.272 ug/ml
Spiked Amount 50.000		Recovery =	36.54%
Target Compounds			
1) T n-Nonane (C9)	3.214	2638795	19.247 ug/ml
2) T n-Decane (C10)	4.474	2728367	19.723 ug/ml
3) T A~Naphthalene (C11.7)	6.186	2969641	19.674 ug/ml
4) T n-Dodecane (C12)	6.655	2758859	19.671 ug/ml
5) T A~2-methylnaphthalene...	7.288	2931759	19.636 ug/ml
6) T n-Tetradecane (C14)	8.490	2751659	19.614 ug/ml
7) T n-Hexadecane (C16)	10.104	2765511	19.296 ug/ml
8) T n-Octadecane (C18)	11.550	2759640	18.936 ug/mlm
10) T n-Eicosane (C20)	12.864	2697793	18.540 ug/ml
11) T n-Heneicosane (C21)	13.478	2664063	18.393 ug/ml
13) T n-Docosane (C22)	14.066	2637768	18.279 ug/ml
14) T n-Tetracosane (C24)	15.172	2605540	18.139 ug/ml
15) T n-Hexacosane (C26)	16.195	2563433	18.100 ug/ml
16) T n-Octacosane (C28)	17.147	2594131	18.646 ug/ml
17) T n-Tricontane (C30)	18.036	2740685	19.690 ug/ml
18) T n-Dotriacontane (C32)	18.870	2813500	20.490 ug/ml
19) T n-Tetratriacontane (C34)	19.655	2672235	20.509 ug/ml
20) T n-Hexatriacontane (C36)	20.396	2624834	20.791 ug/ml
21) T n-Octatriacontane (C38)	21.130	2527629	20.747 ug/ml
22) T n-Tetracontane (C40)	22.034	2477046	20.742 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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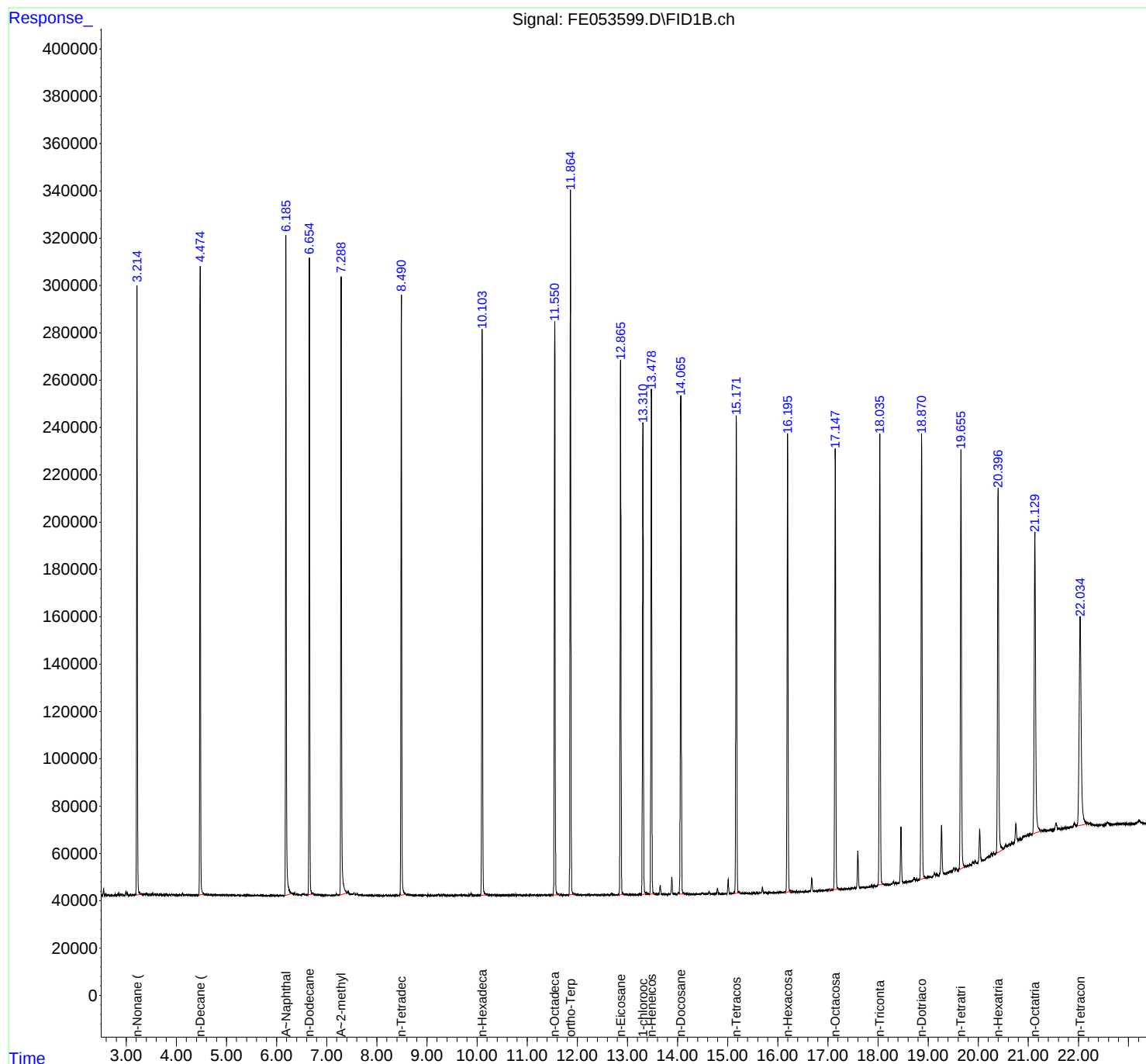
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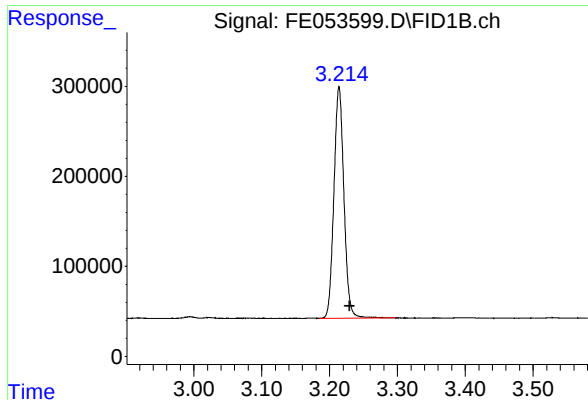
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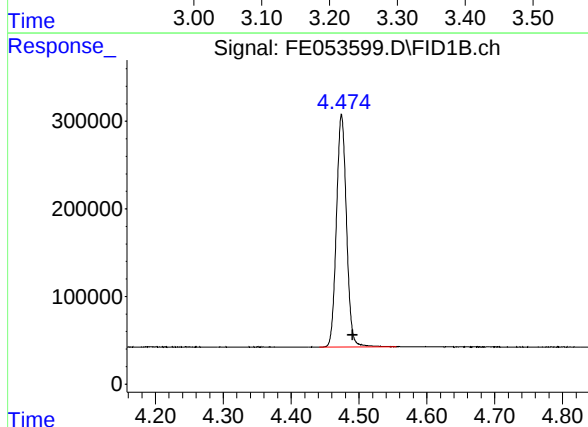
#1 n-Nonane (C9)

R.T.: 3.214 min
Delta R.T.: -0.016 min
Response: 2638795
Conc: 19.25 ug/ml

Instrument :
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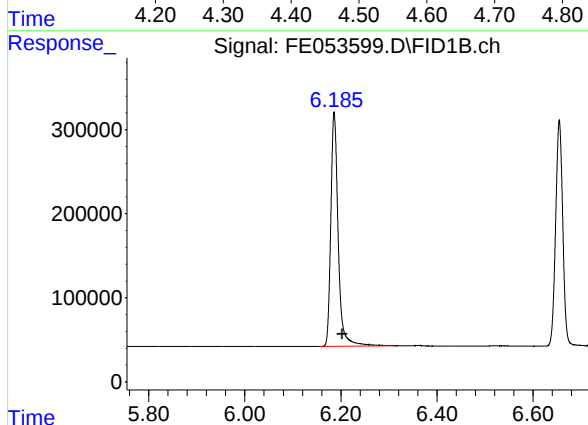
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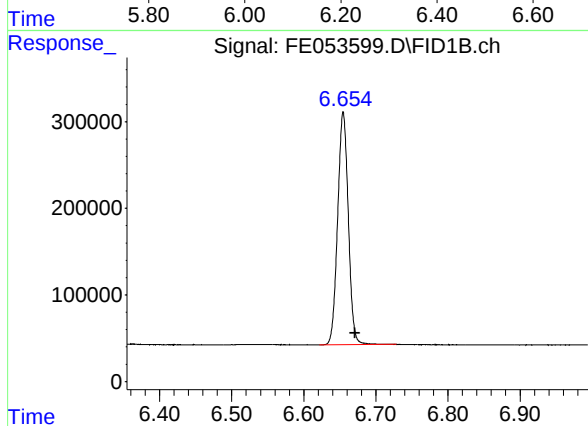
#2 n-Decane (C10)

R.T.: 4.474 min
Delta R.T.: -0.016 min
Response: 2728367
Conc: 19.72 ug/ml



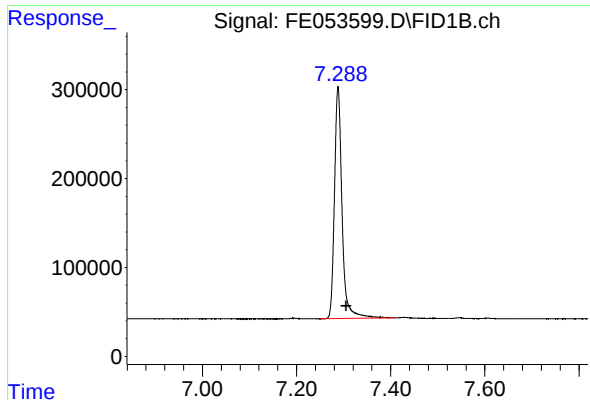
#3 A~Naphthalene (C11.7)

R.T.: 6.186 min
Delta R.T.: -0.017 min
Response: 2969641
Conc: 19.67 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.655 min
Delta R.T.: -0.016 min
Response: 2758859
Conc: 19.67 ug/ml



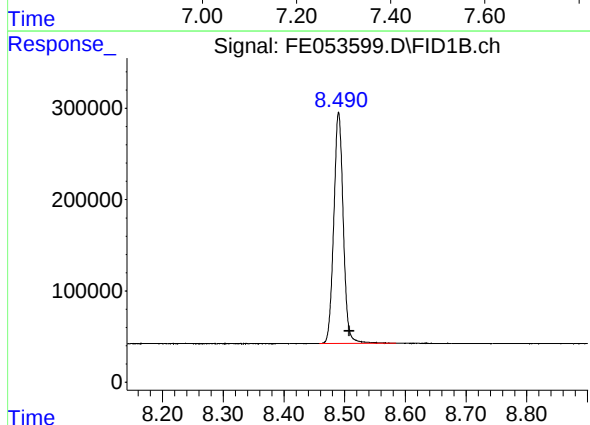
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.288 min
Delta R.T.: -0.017 min
Response: 2931759
Conc: 19.64 ug/ml

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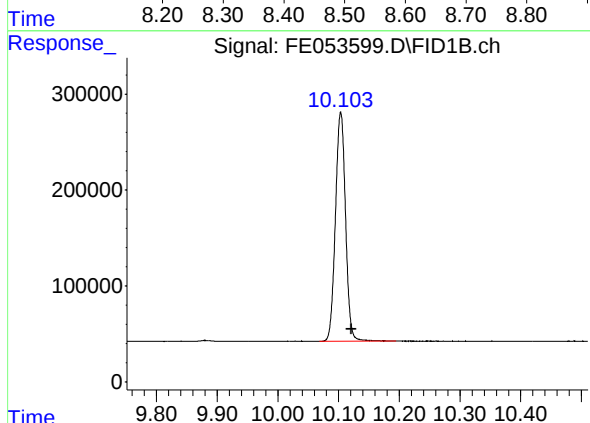
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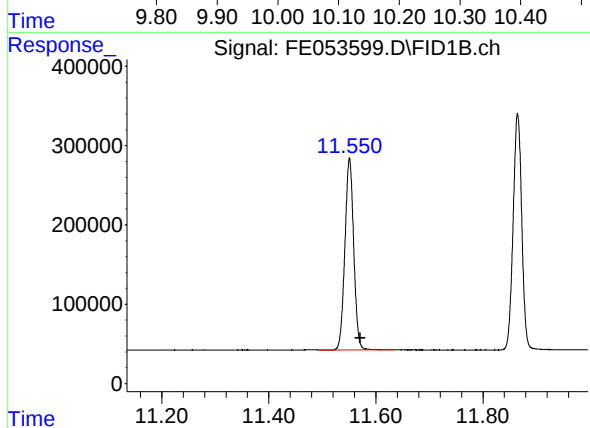
#6 n-Tetradecane (C14)

R.T.: 8.490 min
Delta R.T.: -0.017 min
Response: 2751659
Conc: 19.61 ug/ml



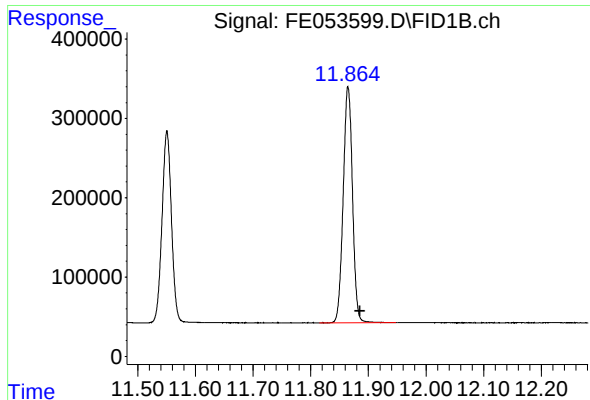
#7 n-Hexadecane (C16)

R.T.: 10.104 min
Delta R.T.: -0.017 min
Response: 2765511
Conc: 19.30 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.550 min
Delta R.T.: -0.020 min
Response: 2759640
Conc: 18.94 ug/ml m



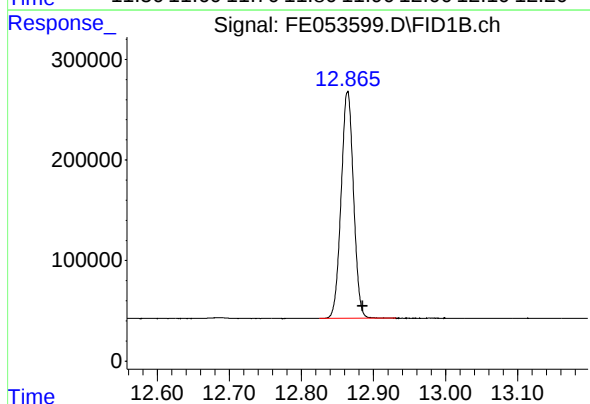
#9 ortho-Terphenyl (SURR)

R.T.: 11.865 min
Delta R.T.: -0.021 min
Response: 3334564
Conc: 18.49 ug/ml

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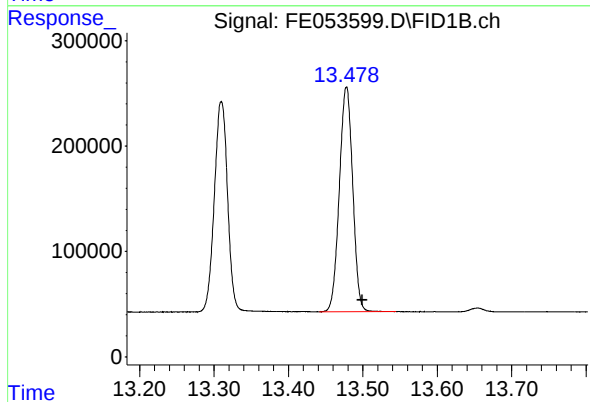
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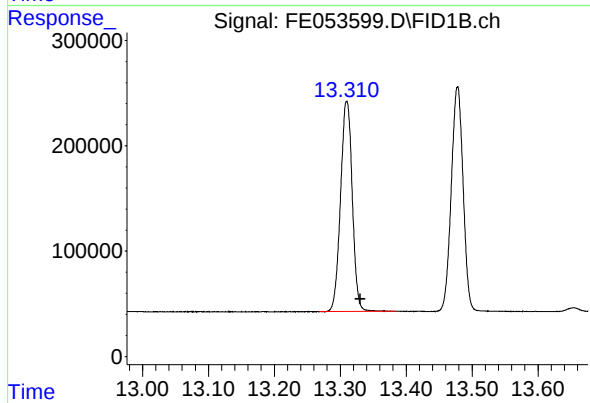
#10 n-Eicosane (C20)

R.T.: 12.864 min
Delta R.T.: -0.021 min
Response: 2697793
Conc: 18.54 ug/ml



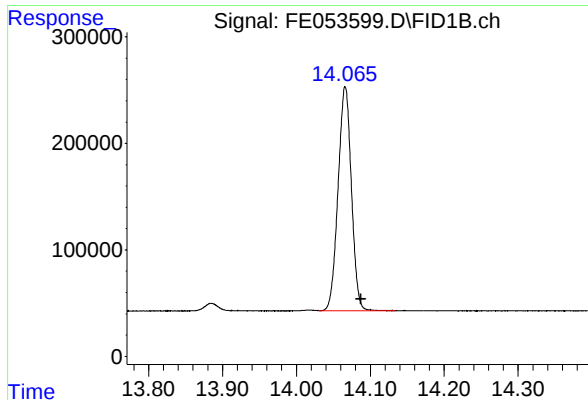
#11 n-Heneicosane (C21)

R.T.: 13.478 min
Delta R.T.: -0.021 min
Response: 2664063
Conc: 18.39 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.310 min
Delta R.T.: -0.020 min
Response: 2469880
Conc: 18.27 ug/ml



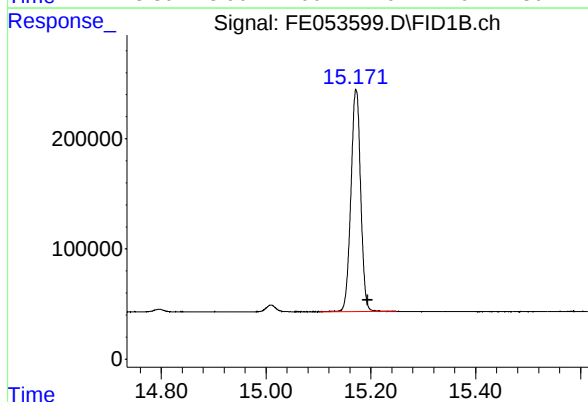
#13 n-Docosane (C22)

R.T.: 14.066 min
Delta R.T.: -0.021 min
Response: 2637768
Conc: 18.28 ug/ml

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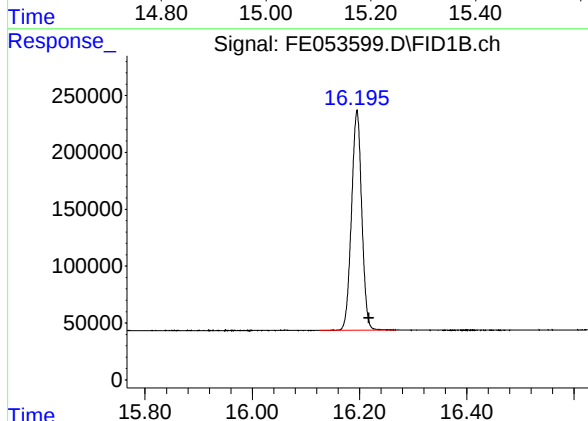
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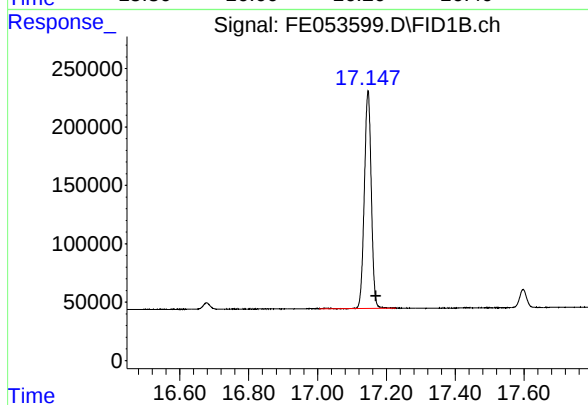
#14 n-Tetracosane (C24)

R.T.: 15.172 min
Delta R.T.: -0.022 min
Response: 2605540
Conc: 18.14 ug/ml



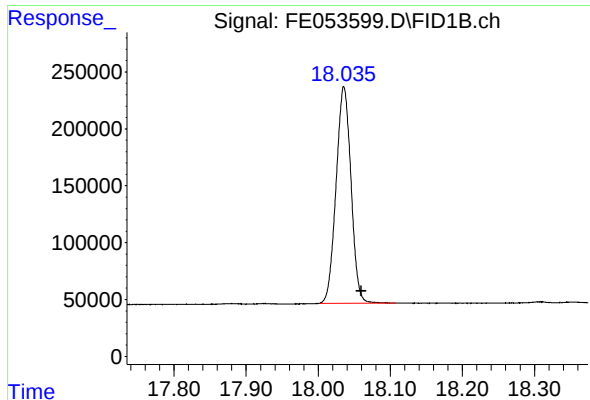
#15 n-Hexacosane (C26)

R.T.: 16.195 min
Delta R.T.: -0.023 min
Response: 2563433
Conc: 18.10 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.147 min
Delta R.T.: -0.023 min
Response: 2594131
Conc: 18.65 ug/ml



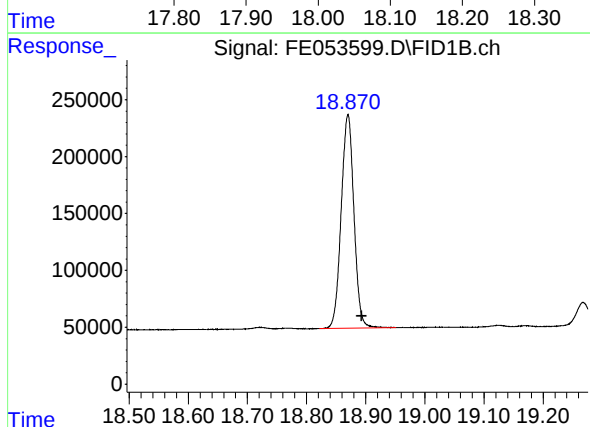
#17 n-Tricontane (C30)

R.T.: 18.036 min
Delta R.T.: -0.024 min
Response: 2740685
Conc: 19.69 ug/ml

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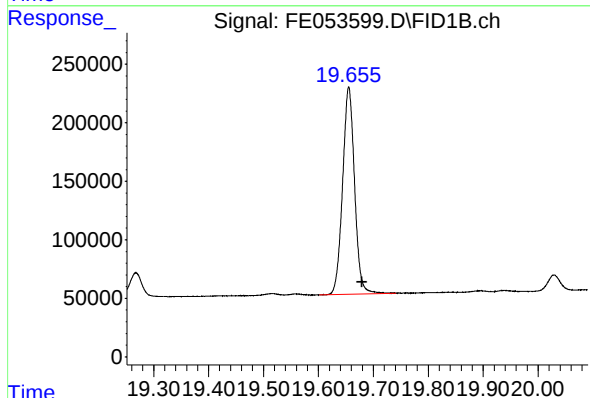
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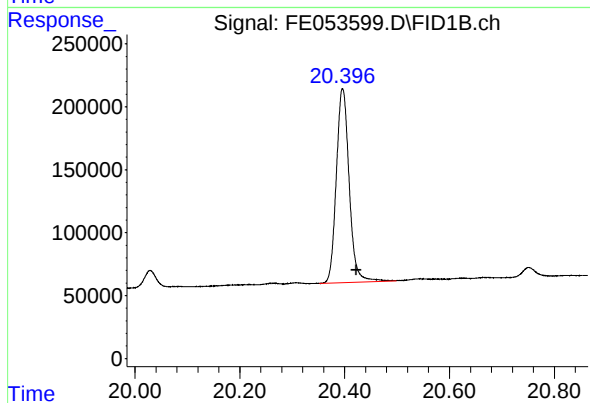
#18 n-Dotriacontane (C32)

R.T.: 18.870 min
Delta R.T.: -0.023 min
Response: 2813500
Conc: 20.49 ug/ml



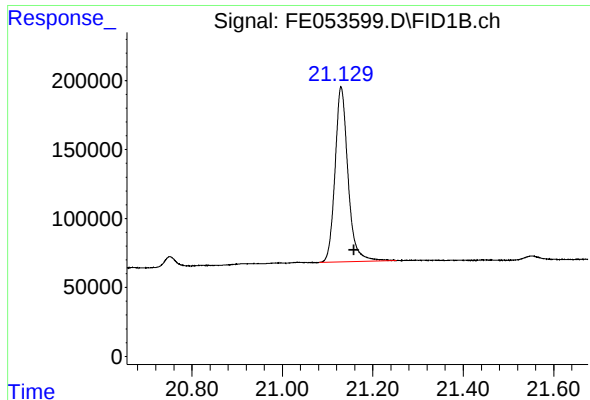
#19 n-Tetratriacontane (C34)

R.T.: 19.655 min
Delta R.T.: -0.024 min
Response: 2672235
Conc: 20.51 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.396 min
Delta R.T.: -0.026 min
Response: 2624834
Conc: 20.79 ug/ml



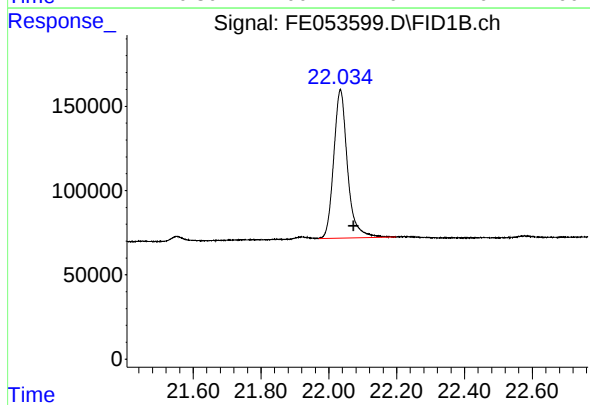
#21 n-Octatriacontane (C38)

R.T.: 21.130 min
Delta R.T.: -0.028 min
Response: 2527629
Conc: 20.75 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.034 min
Delta R.T.: -0.039 min
Response: 2477046
Conc: 20.74 ug/ml