

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041823AL\
 Data File : FE041417.D
 Signal(s) : FID1B.ch
 Acq On : 18 Apr 2023 20:09
 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 04/19/2023
 Supervised By :Ankita Jodhani 04/19/2023

Integration File: autoint1.e
 Quant Time: Apr 18 23:05:15 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032523.M
 Quant Title : GC Extractables
 QLast Update : Sat Mar 25 06:32:15 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)	11.840	3588424	19.093 ug/ml
Spiked Amount 50.000		Recovery =	38.19%
12) S 1-chlorooctadecane (S...	13.280	2823646	19.625 ug/ml
Spiked Amount 50.000		Recovery =	39.25%
Target Compounds			
1) T n-Nonane (C9)	3.236	3314077	19.100 ug/ml
2) T n-Decane (C10)	4.482	3302721	19.403 ug/ml
3) T A~Naphthalene (C11.7)	6.186	3665515	20.040 ug/ml
4) T n-Dodecane (C12)	6.648	3373989	19.451 ug/ml
5) T A~2-methylnaphthalene...	7.282	3444527	20.799 ug/ml
6) T n-Tetradecane (C14)	8.474	3395906	19.476 ug/ml
7) T n-Hexadecane (C16)	10.082	3475877	19.544 ug/ml
8) T n-Octadecane (C18)	11.525	3480324	19.492 ug/ml
10) T n-Eicosane (C20)	12.836	3333191	19.541 ug/ml
11) T n-Heneicosane (C21)	13.448	3279386	19.383 ug/mlm
13) T n-Docosane (C22)	14.035	3216887	19.439 ug/ml
14) T n-Tetracosane (C24)	15.140	3354529	20.734 ug/ml
15) T n-Hexacosane (C26)	16.162	3094090	19.960 ug/ml
16) T n-Octacosane (C28)	17.114	3071597	20.052 ug/ml
17) T n-Tricontane (C30)	18.004	3156030	20.647 ug/ml
18) T n-Dotriacontane (C32)	18.839	3226477	20.666 ug/ml
19) T n-Tetratriacontane (C34)	19.626	3294590	21.260 ug/ml
20) T n-Hexatriacontane (C36)	20.369	3149934	20.737 ug/mlm
21) T n-Octatriacontane (C38)	21.096	3256173	20.844 ug/mlm
22) T n-Tetracontane (C40)	21.977	3492798	21.884 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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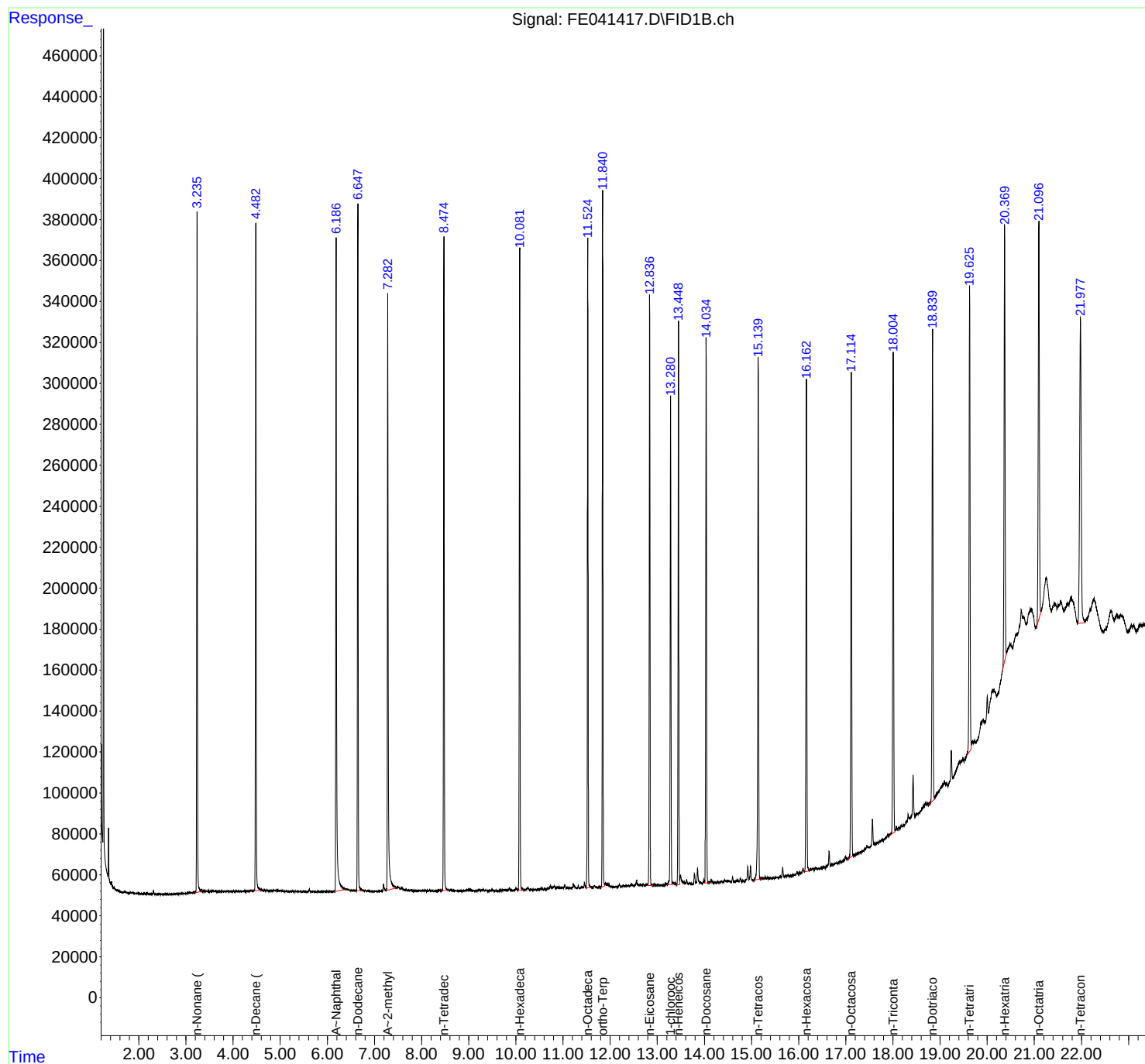
Instrument :
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20 PPM ALIPHATIC HC STD

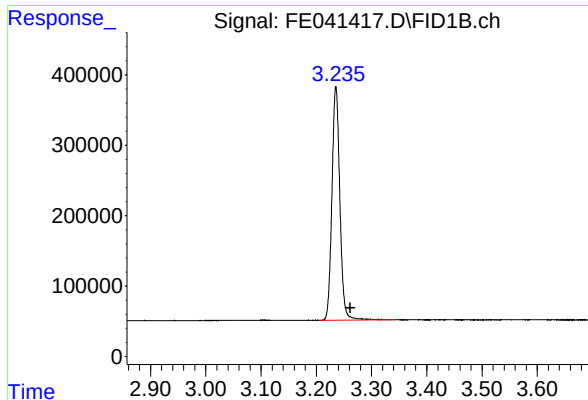
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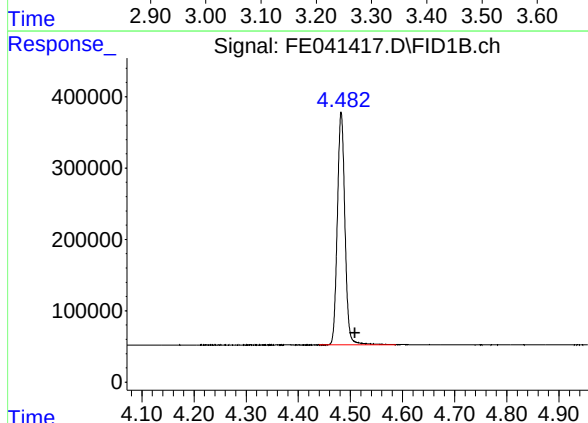
#1 n-Nonane (C9)

R.T.: 3.236 min
Delta R.T.: -0.026 min
Response: 3314077
Conc: 19.10 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

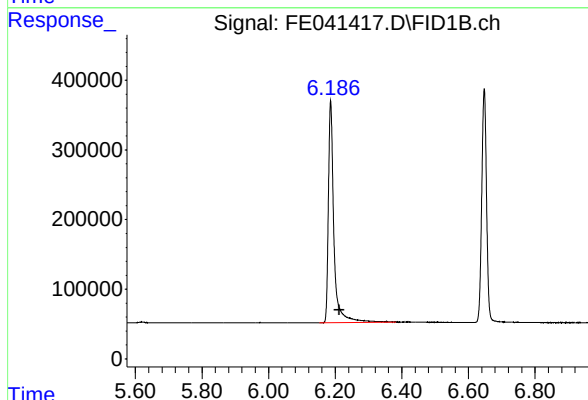
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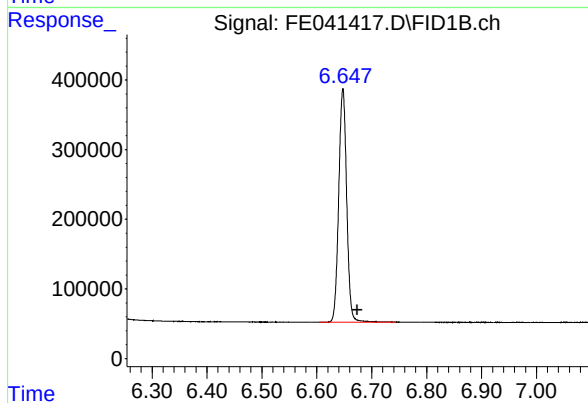
#2 n-Decane (C10)

R.T.: 4.482 min
Delta R.T.: -0.027 min
Response: 3302721
Conc: 19.40 ug/ml



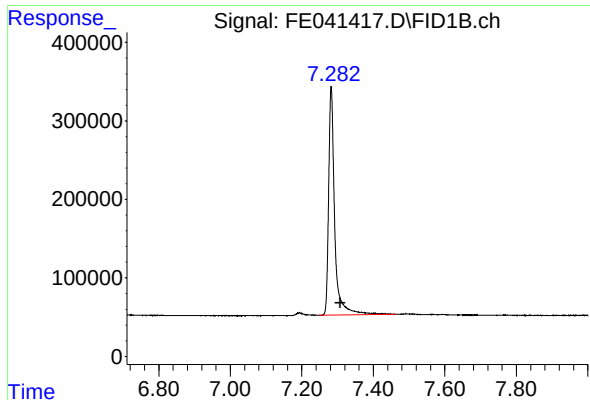
#3 A~Naphthalene (C11.7)

R.T.: 6.186 min
Delta R.T.: -0.025 min
Response: 3665515
Conc: 20.04 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.648 min
Delta R.T.: -0.026 min
Response: 3373989
Conc: 19.45 ug/ml



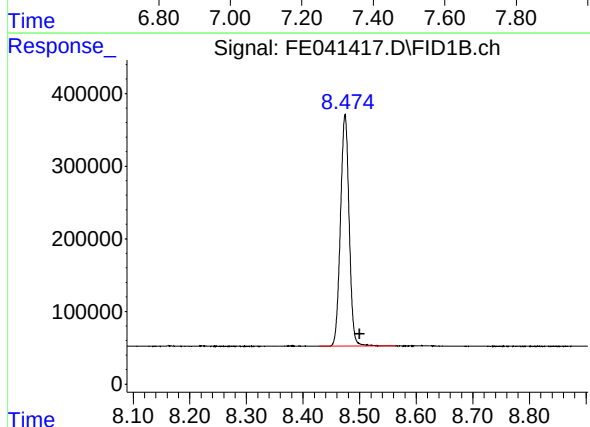
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.282 min
Delta R.T.: -0.025 min
Response: 3444527
Conc: 20.80 ug/ml

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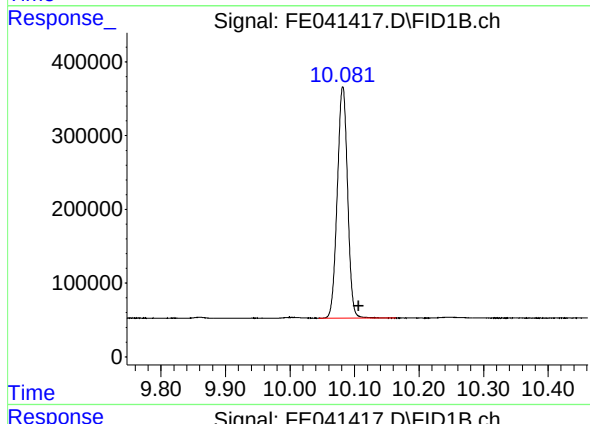
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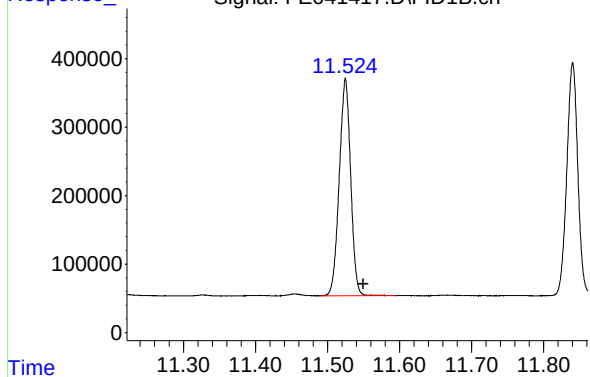
#6 n-Tetradecane (C14)

R.T.: 8.474 min
Delta R.T.: -0.026 min
Response: 3395906
Conc: 19.48 ug/ml



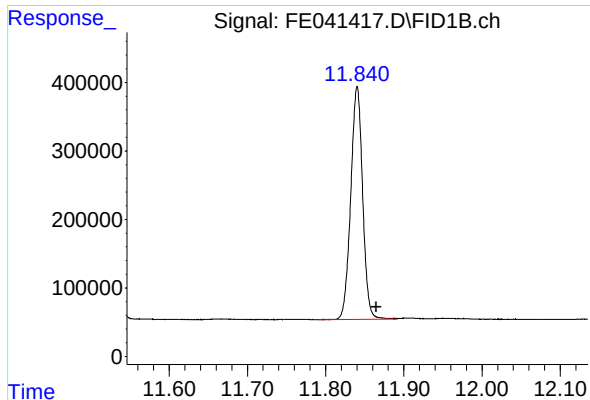
#7 n-Hexadecane (C16)

R.T.: 10.082 min
Delta R.T.: -0.025 min
Response: 3475877
Conc: 19.54 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.525 min
Delta R.T.: -0.024 min
Response: 3480324
Conc: 19.49 ug/ml



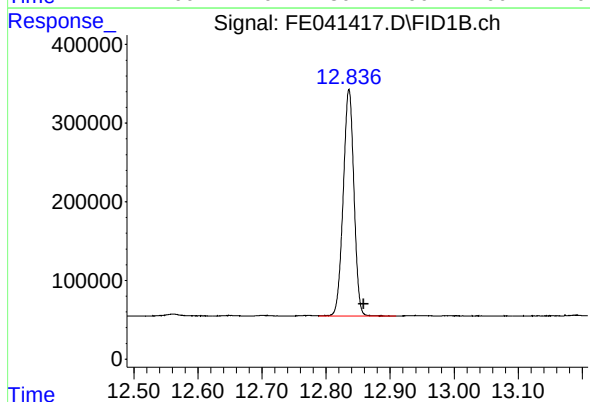
#9 ortho-Terphenyl (SURR)

R.T.: 11.840 min
Delta R.T.: -0.025 min
Response: 3588424
Conc: 19.09 ug/ml

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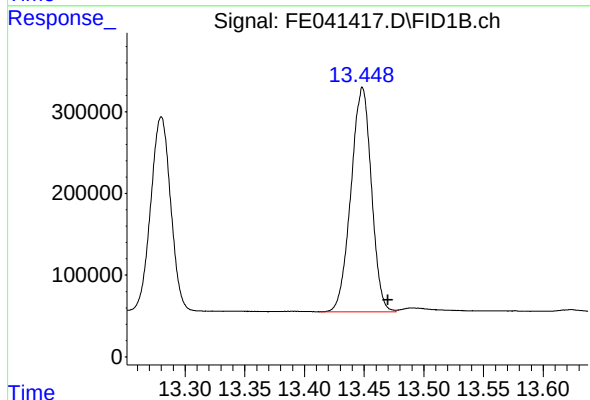
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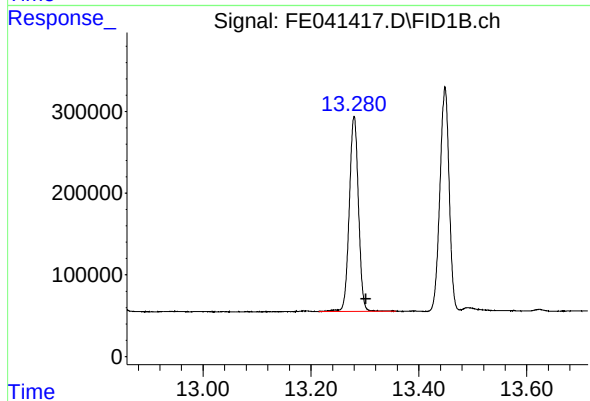
#10 n-Eicosane (C20)

R.T.: 12.836 min
Delta R.T.: -0.023 min
Response: 3333191
Conc: 19.54 ug/ml



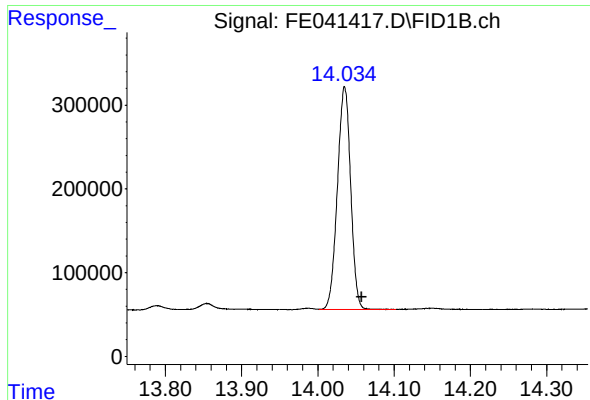
#11 n-Heneicosane (C21)

R.T.: 13.448 min
Delta R.T.: -0.022 min
Response: 3279386
Conc: 19.38 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.280 min
Delta R.T.: -0.022 min
Response: 2823646
Conc: 19.63 ug/ml



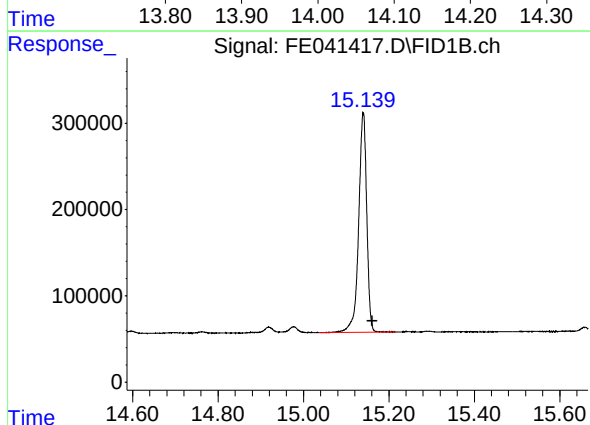
#13 n-Docosane (C22)

R.T.: 14.035 min
Delta R.T.: -0.022 min
Response: 3216887
Conc: 19.44 ug/ml

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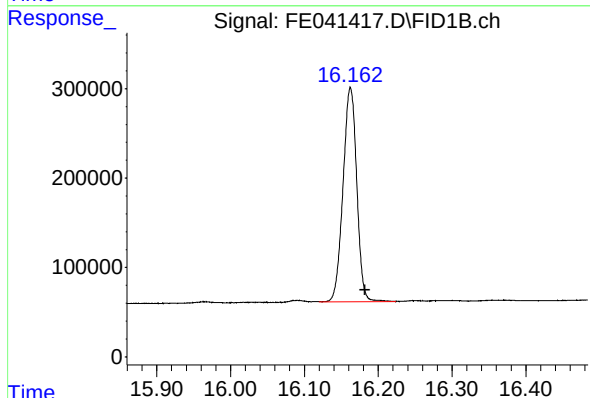
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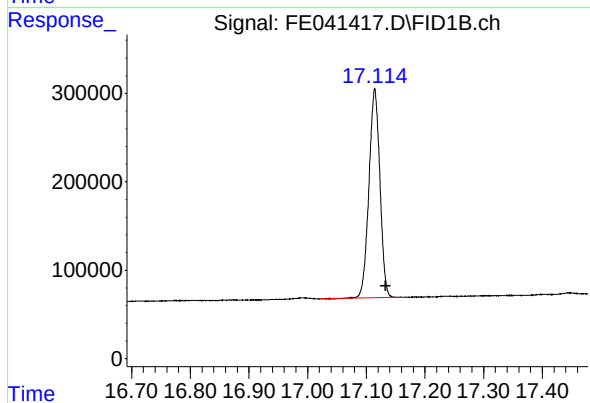
#14 n-Tetracosane (C24)

R.T.: 15.140 min
Delta R.T.: -0.021 min
Response: 3354529
Conc: 20.73 ug/ml



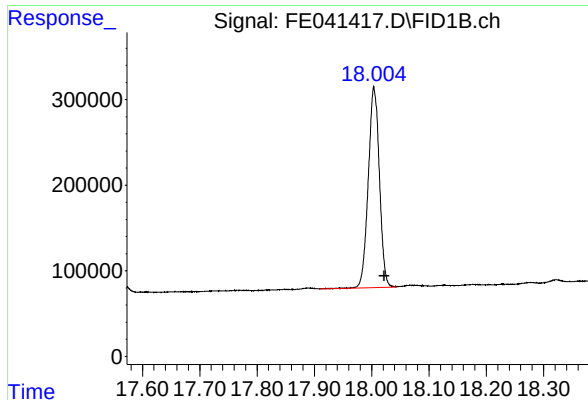
#15 n-Hexacosane (C26)

R.T.: 16.162 min
Delta R.T.: -0.020 min
Response: 3094090
Conc: 19.96 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.114 min
Delta R.T.: -0.019 min
Response: 3071597
Conc: 20.05 ug/ml



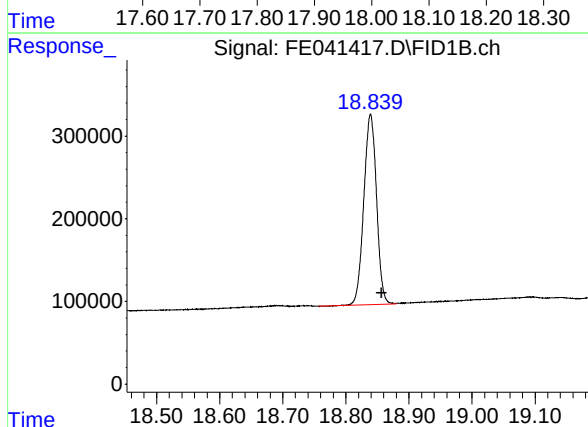
#17 n-Tricontane (C30)

R.T.: 18.004 min
Delta R.T.: -0.018 min
Response: 3156030
Conc: 20.65 ug/ml

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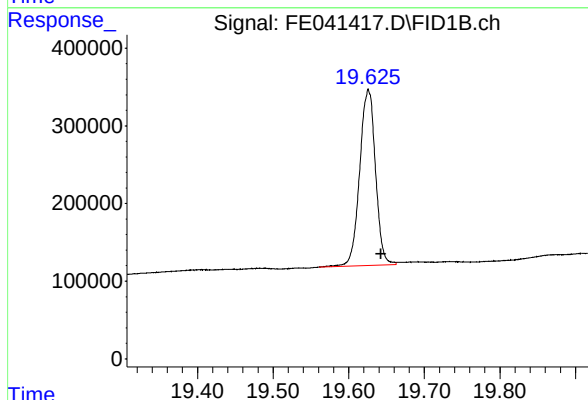
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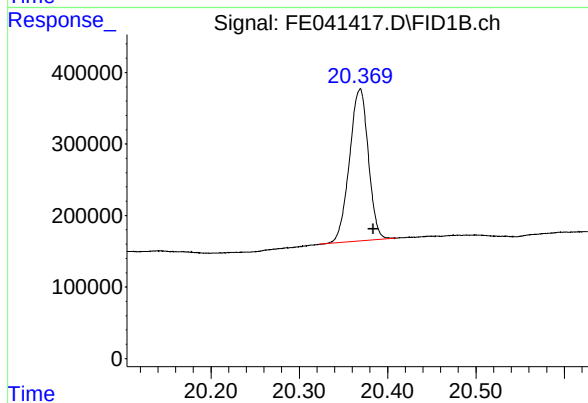
#18 n-Dotriacontane (C32)

R.T.: 18.839 min
Delta R.T.: -0.018 min
Response: 3226477
Conc: 20.67 ug/ml



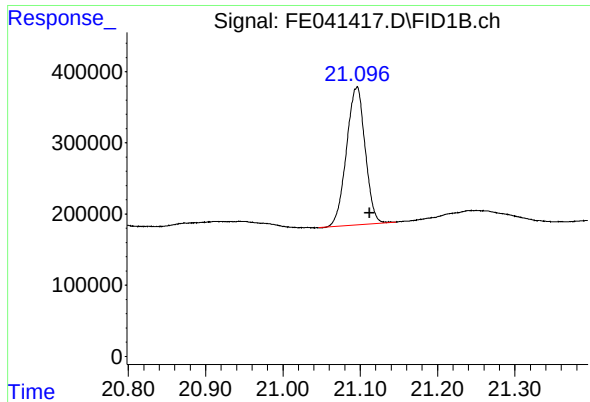
#19 n-Tetratriacontane (C34)

R.T.: 19.626 min
Delta R.T.: -0.016 min
Response: 3294590
Conc: 21.26 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.369 min
Delta R.T.: -0.015 min
Response: 3149934
Conc: 20.74 ug/ml m



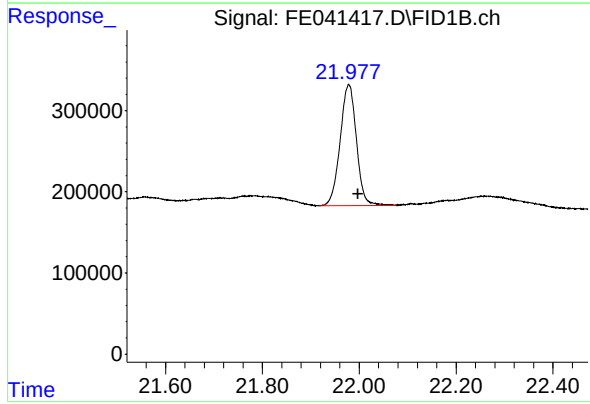
#21 n-Octatriacontane (C38)

R.T.: 21.096 min
Delta R.T.: -0.016 min
Response: 3256173
Conc: 20.84 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.977 min
Delta R.T.: -0.021 min
Response: 3492798
Conc: 21.88 ug/ml m