

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120122AL\
 Data File : FE039077.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2022 00:37
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

12/02/2022
 Supervised By :Ankita
 Jodhani

12/02/2022

Integration File: autoint1.e
 Quant Time: Dec 02 02:57:02 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 111922.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 19 05:37:37 2022
 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)	11.947	2866783	18.325 ug/ml
Spiked Amount 50.000		Recovery =	36.65%
12) S 1-chlorooctadecane (S...	13.381	2217540	18.366 ug/ml
Spiked Amount 50.000		Recovery =	36.73%
Target Compounds			
1) T n-Nonane (C9)	3.342	2491131	17.574 ug/ml
2) T n-Decane (C10)	4.592	2481108	17.801 ug/ml
3) T A~Naphthalene (C11.7)	6.295	2850698	17.923 ug/ml
4) T n-Dodecane (C12)	6.755	2509560	17.803 ug/ml
5) T A~2-methylnaphthalene...	7.389	2682524	17.923 ug/ml
6) T n-Tetradecane (C14)	8.580	2565504	17.963 ug/ml
7) T n-Hexadecane (C16)	10.186	2660703	18.198 ug/ml
8) T n-Octadecane (C18)	11.628	2696371	18.324 ug/ml
10) T n-Eicosane (C20)	12.936	2612966	18.406 ug/ml
11) T n-Heneicosane (C21)	13.548	2613867	18.395 ug/ml
13) T n-Docosane (C22)	14.134	2576495	18.431 ug/ml
14) T n-Tetracosane (C24)	15.237	2544624	18.425 ug/ml
15) T n-Hexacosane (C26)	16.257	2476149	18.435 ug/ml
16) T n-Octacosane (C28)	17.207	2535317	19.091 ug/ml
17) T n-Tricontane (C30)	18.094	2720937	20.604 ug/ml
18) T n-Dotriacontane (C32)	18.927	2822658	21.165 ug/ml
19) T n-Tetratriacontane (C34)	19.712	2736200	20.678 ug/mlm
20) T n-Hexatriacontane (C36)	20.450	2558773	19.917 ug/mlm
21) T n-Octatriacontane (C38)	21.191	2652802	20.245 ug/ml
22) T n-Tetracontane (C40)	22.112	2536109	18.625 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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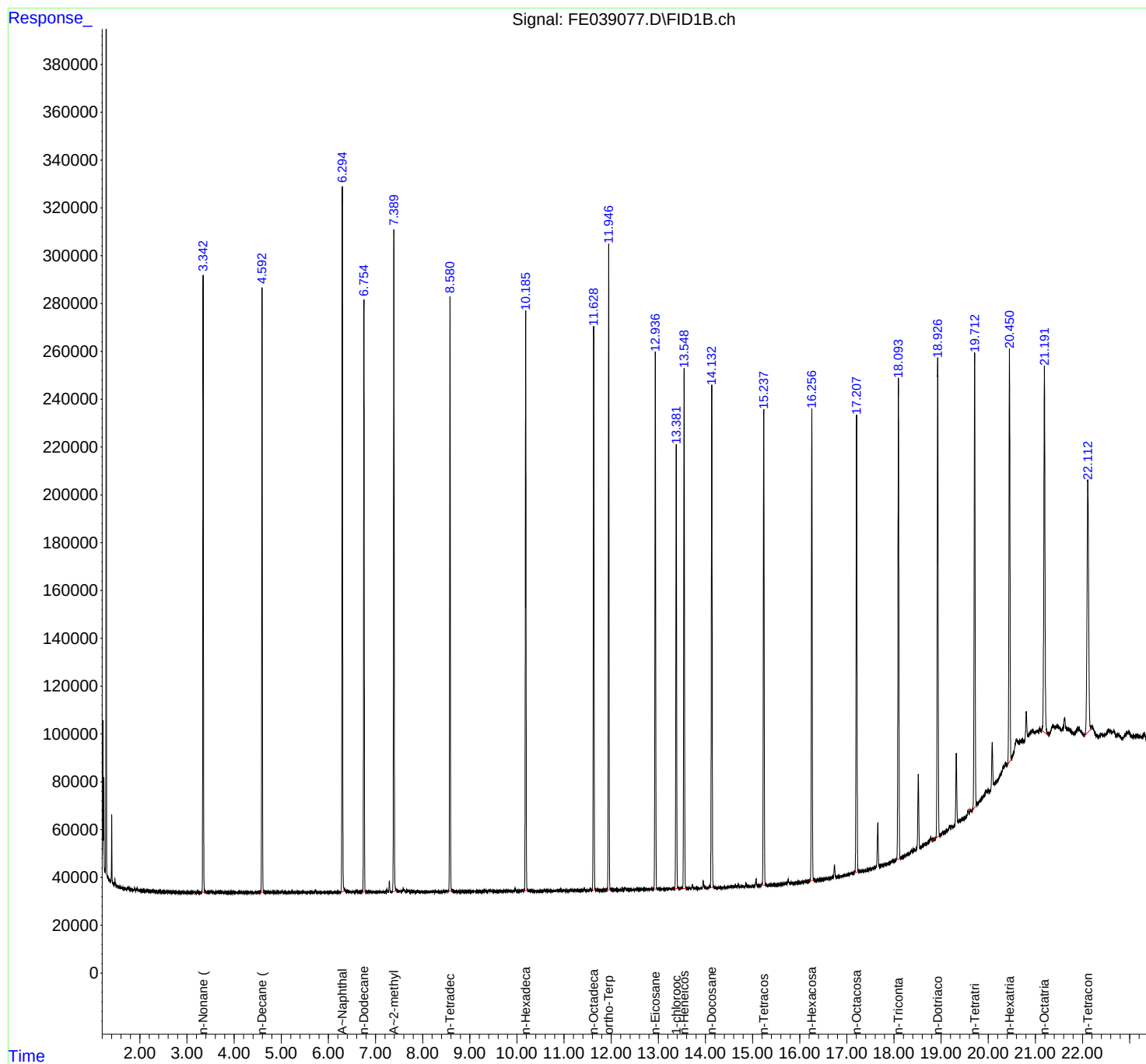
Reviewed By : Yogesh
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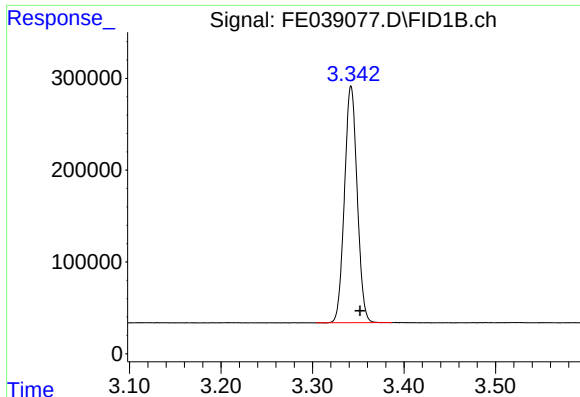
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Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.342 min
Delta R.T.: -0.010 min
Response: 2491131
Conc: 17.57 ug/ml

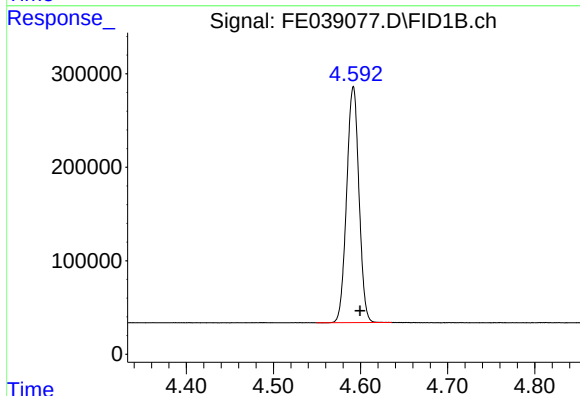
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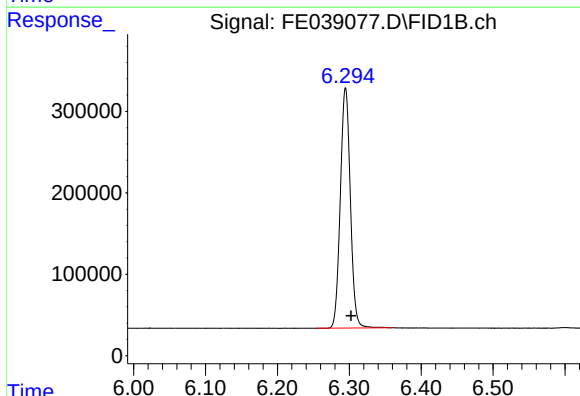
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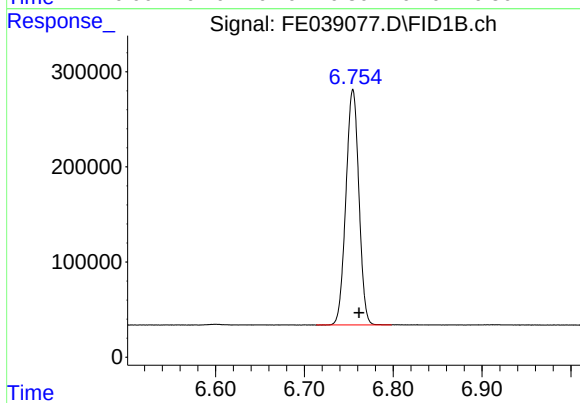
#2 n-Decane (C10)

R.T.: 4.592 min
Delta R.T.: -0.008 min
Response: 2481108
Conc: 17.80 ug/ml



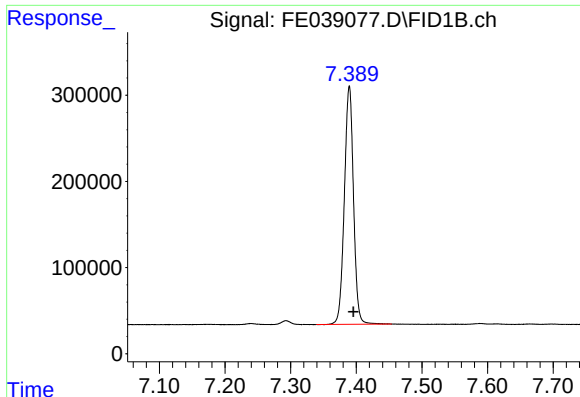
#3 A~Naphthalene (C11.7)

R.T.: 6.295 min
Delta R.T.: -0.008 min
Response: 2850698
Conc: 17.92 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.755 min
Delta R.T.: -0.007 min
Response: 2509560
Conc: 17.80 ug/ml



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

R.T.: 7.389 min
Delta R.T.: -0.006 min
Response: 2682524
Conc: 17.92 ug/ml

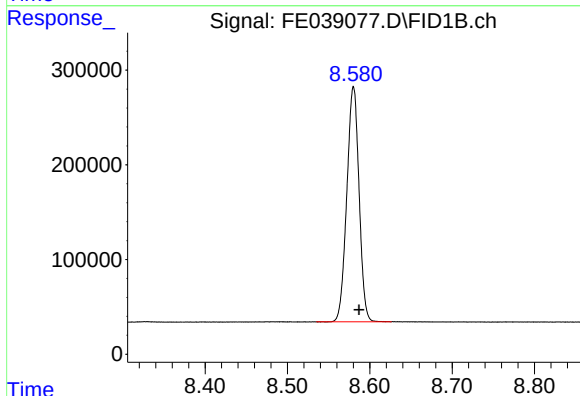
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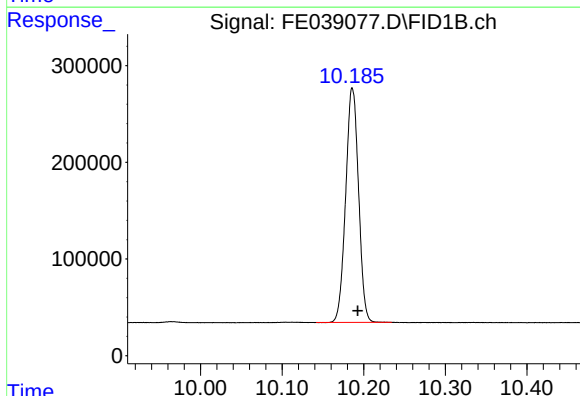
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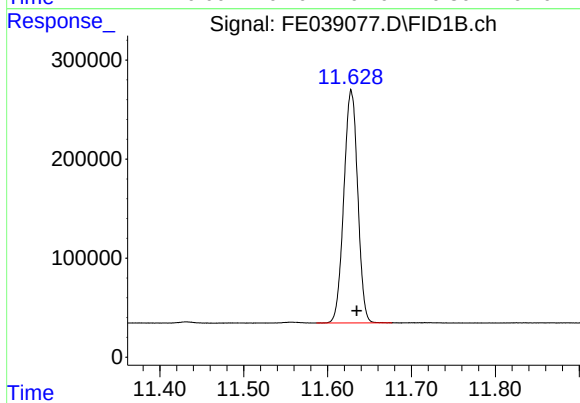
#6 n-Tetradecane (C14)

R.T.: 8.580 min
Delta R.T.: -0.007 min
Response: 2565504
Conc: 17.96 ug/ml



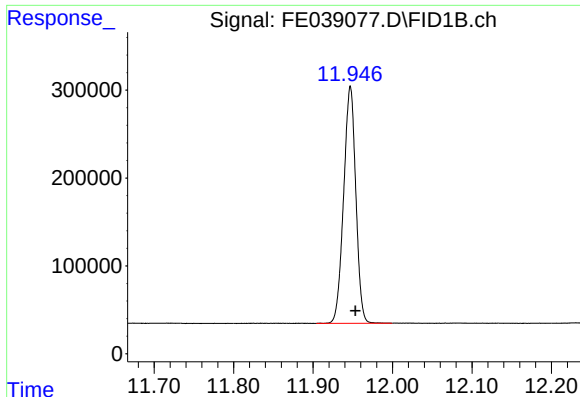
#7 n-Hexadecane (C16)

R.T.: 10.186 min
Delta R.T.: -0.007 min
Response: 2660703
Conc: 18.20 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.628 min
Delta R.T.: -0.007 min
Response: 2696371
Conc: 18.32 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.947 min
Delta R.T.: -0.006 min
Response: 2866783
Conc: 18.33 ug/ml

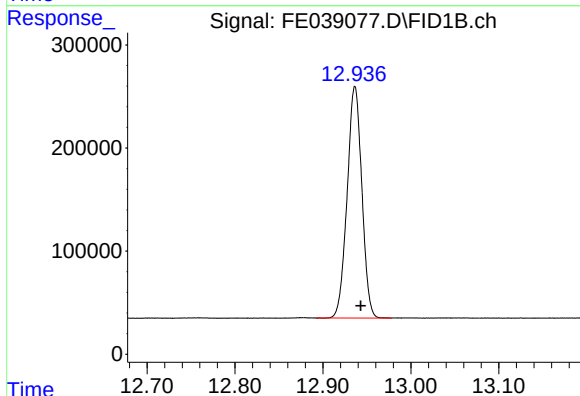
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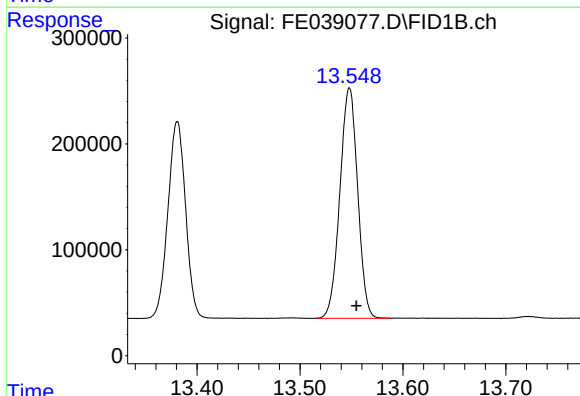
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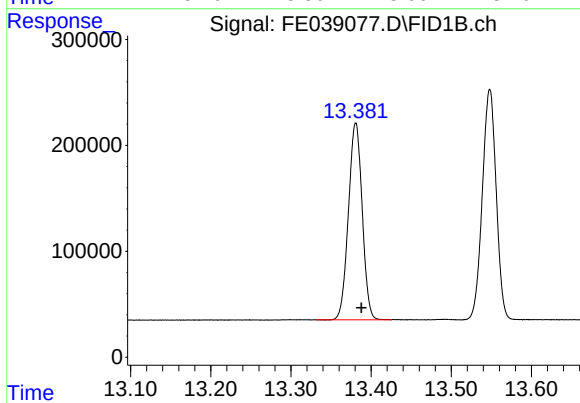
#10 n-Eicosane (C20)

R.T.: 12.936 min
Delta R.T.: -0.006 min
Response: 2612966
Conc: 18.41 ug/ml



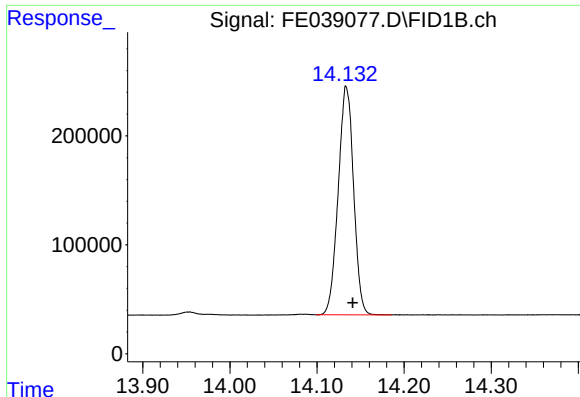
#11 n-Heneicosane (C21)

R.T.: 13.548 min
Delta R.T.: -0.007 min
Response: 2613867
Conc: 18.39 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.381 min
Delta R.T.: -0.007 min
Response: 2217540
Conc: 18.37 ug/ml



#13 n-Docosane (C22)

R.T.: 14.134 min
Delta R.T.: -0.007 min
Response: 2576495
Conc: 18.43 ug/ml

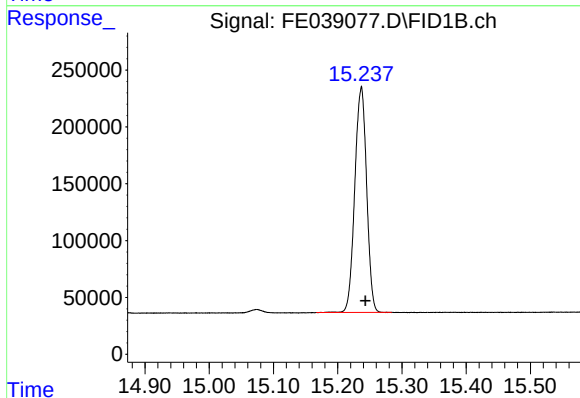
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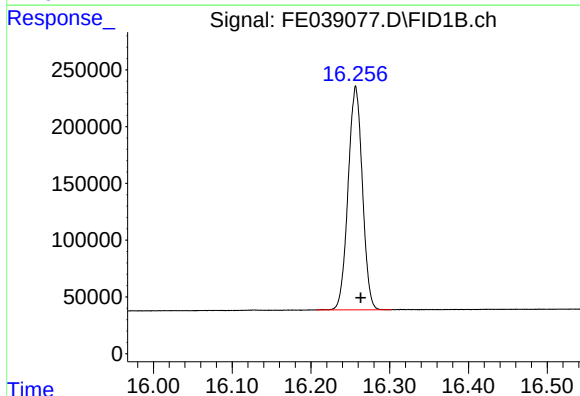
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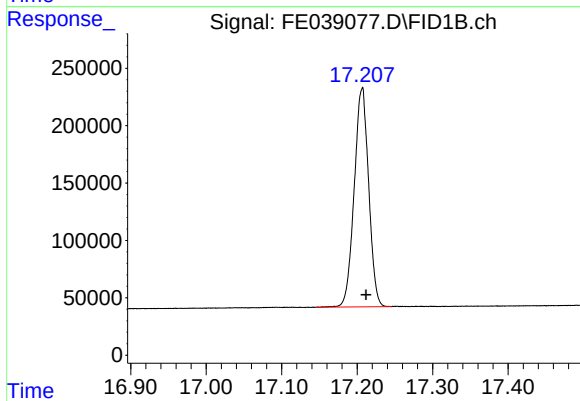
#14 n-Tetracosane (C24)

R.T.: 15.237 min
Delta R.T.: -0.007 min
Response: 2544624
Conc: 18.43 ug/ml



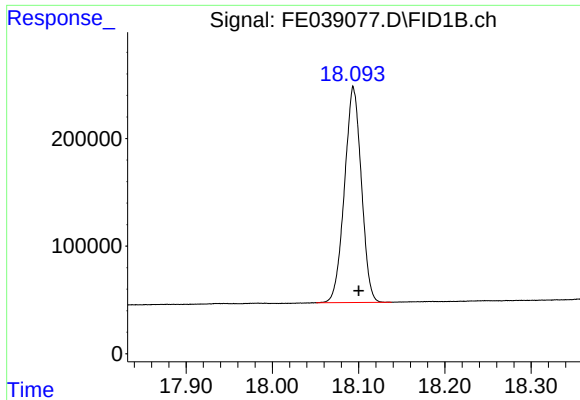
#15 n-Hexacosane (C26)

R.T.: 16.257 min
Delta R.T.: -0.006 min
Response: 2476149
Conc: 18.44 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.207 min
Delta R.T.: -0.005 min
Response: 2535317
Conc: 19.09 ug/ml



#17 n-Tricontane (C30)

R.T.: 18.094 min
Delta R.T.: -0.006 min
Response: 2720937
Conc: 20.60 ug/ml

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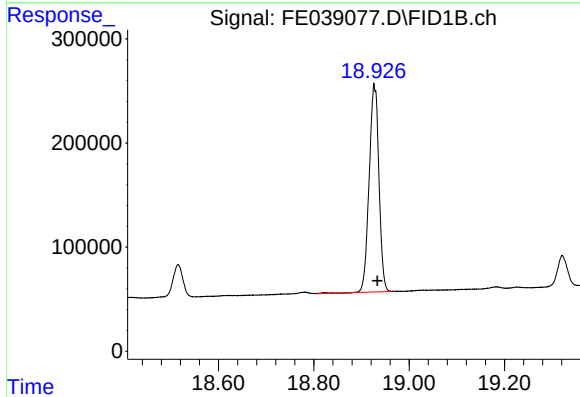
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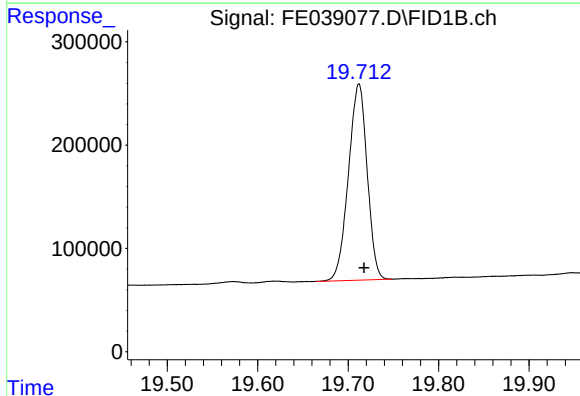
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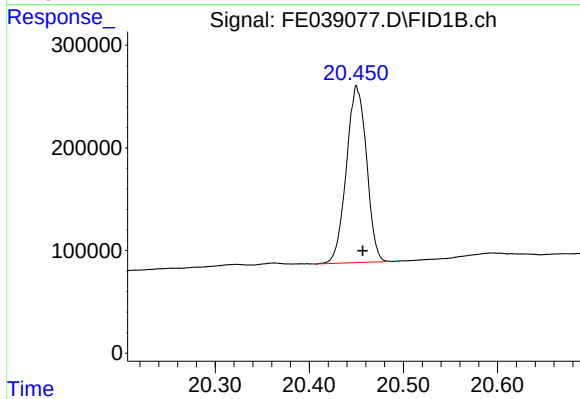
#18 n-Dotriacontane (C32)

R.T.: 18.927 min
Delta R.T.: -0.007 min
Response: 2822658
Conc: 21.16 ug/ml



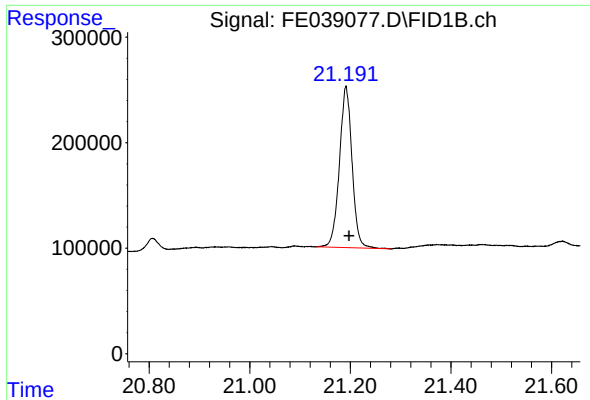
#19 n-Tetratriacontane (C34)

R.T.: 19.712 min
Delta R.T.: -0.006 min
Response: 2736200
Conc: 20.68 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.450 min
Delta R.T.: -0.007 min
Response: 2558773
Conc: 19.92 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 21.191 min
Delta R.T.: -0.006 min
Response: 2652802
Conc: 20.24 ug/ml

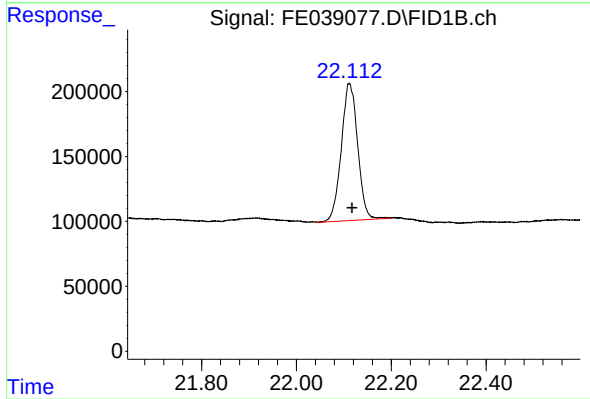
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#22 n-Tetracontane (C40)

R.T.: 22.112 min
Delta R.T.: -0.005 min
Response: 2536109
Conc: 18.62 ug/ml m