

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120222AL\
 Data File : FE039112.D
 Signal(s) : FID1B.ch
 Acq On : 03 Dec 2022 05:31
 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 12/05/2022
 Supervised By :Ankita Jodhani 12/05/2022

Integration File: autoint1.e
 Quant Time: Dec 04 10:00:21 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)	11.945	2802045	17.911 ug/ml
Spiked Amount 50.000		Recovery =	35.82%
12) S 1-chlorooctadecane (S...	13.380	2168388	17.959 ug/ml
Spiked Amount 50.000		Recovery =	35.92%
Target Compounds			
1) T n-Nonane (C9)	3.340	2337059	16.487 ug/ml
2) T n-Decane (C10)	4.590	2325280	16.683 ug/ml
3) T A~Naphthalene (C11.7)	6.293	2719131	17.096 ug/ml
4) T n-Dodecane (C12)	6.753	2358252	16.730 ug/ml
5) T A~2-methylnaphthalene...	7.387	2553294	17.060 ug/ml
6) T n-Tetradecane (C14)	8.578	2424464	16.975 ug/ml
7) T n-Hexadecane (C16)	10.185	2542115	17.387 ug/ml
8) T n-Octadecane (C18)	11.627	2608816	17.729 ug/ml
10) T n-Eicosane (C20)	12.935	2583664	18.200 ug/ml
11) T n-Heneicosane (C21)	13.547	2567080	18.065 ug/ml
13) T n-Docosane (C22)	14.133	2618131	18.729 ug/ml
14) T n-Tetracosane (C24)	15.235	2686249	19.451 ug/ml
15) T n-Hexacosane (C26)	16.257	2702466	20.120 ug/ml
16) T n-Octacosane (C28)	17.206	2766644	20.833 ug/ml
17) T n-Tricontane (C30)	18.094	2838646	21.495 ug/ml
18) T n-Dotriacontane (C32)	18.927	2852666	21.390 ug/ml
19) T n-Tetratriacontane (C34)	19.710	2689438	20.325 ug/mlm
20) T n-Hexatriacontane (C36)	20.447	2508459	19.525 ug/mlm
21) T n-Octatriacontane (C38)	21.189	2490849	19.009 ug/ml
22) T n-Tetracontane (C40)	22.107	2427853	17.830 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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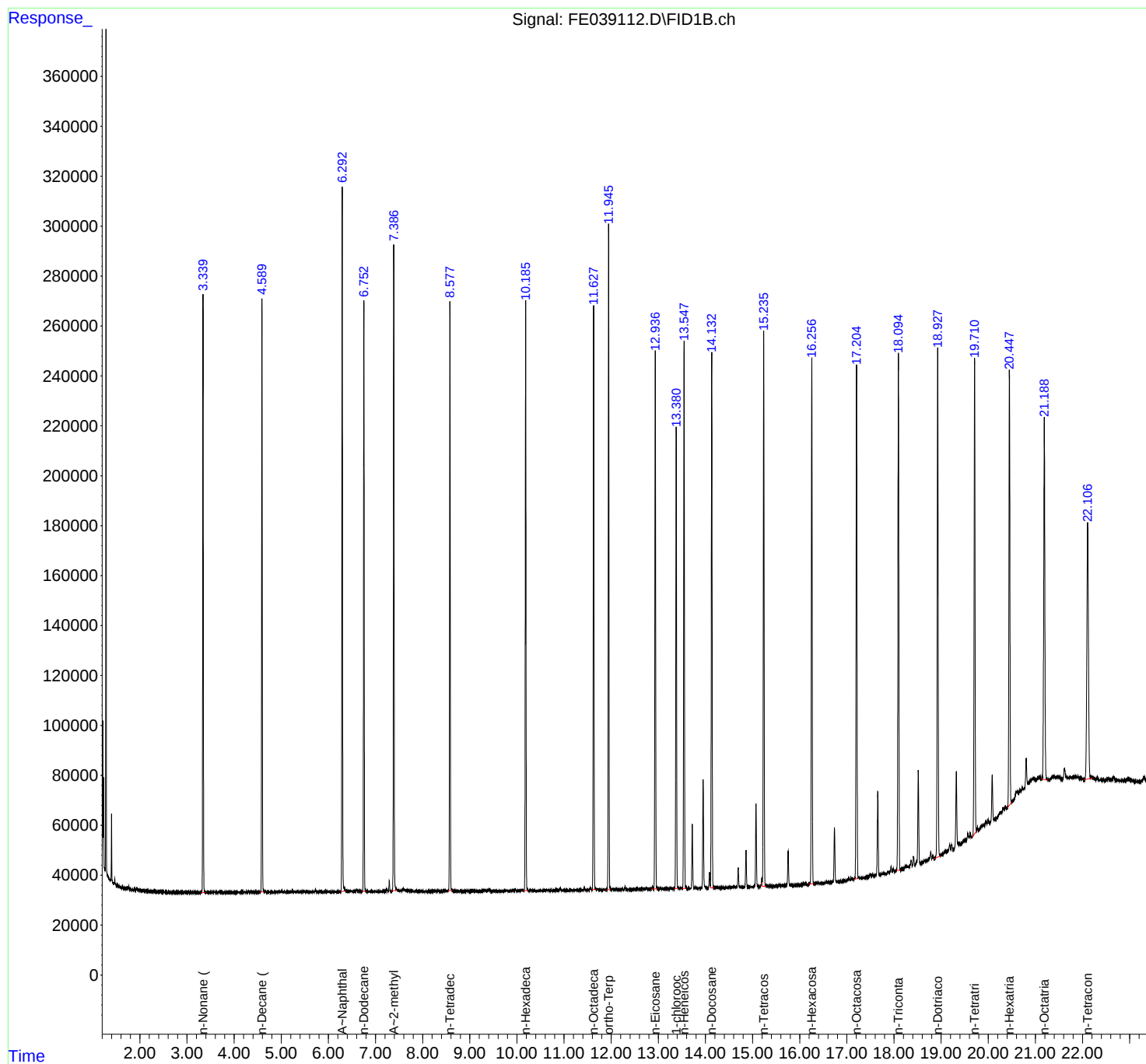
Instrument :
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20 PPM ALIPHATIC HC STD

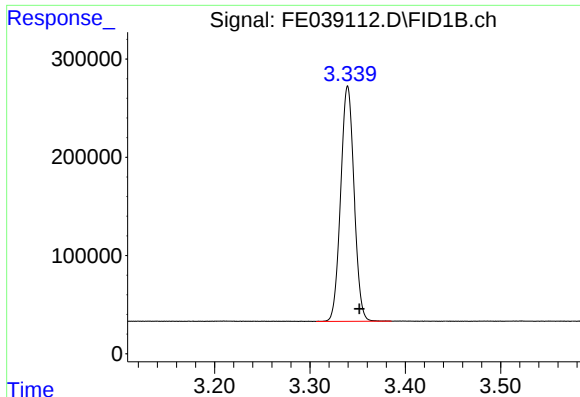
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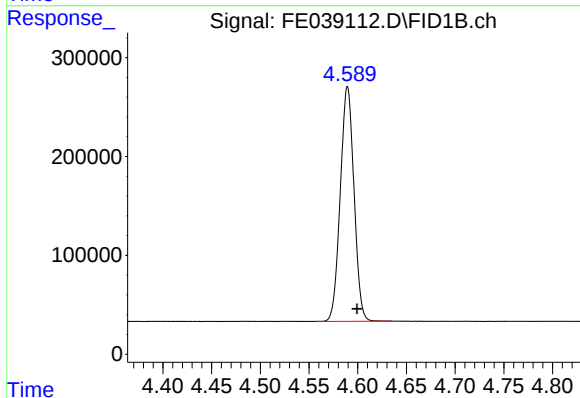
#1 n-Nonane (C9)

R.T.: 3.340 min
Delta R.T.: -0.012 min
Response: 2337059
Conc: 16.49 ug/ml

Instrument :
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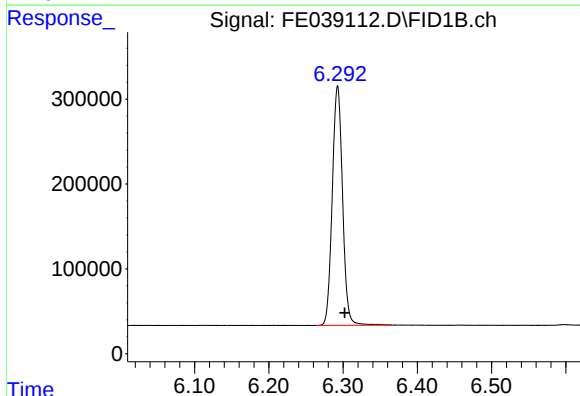
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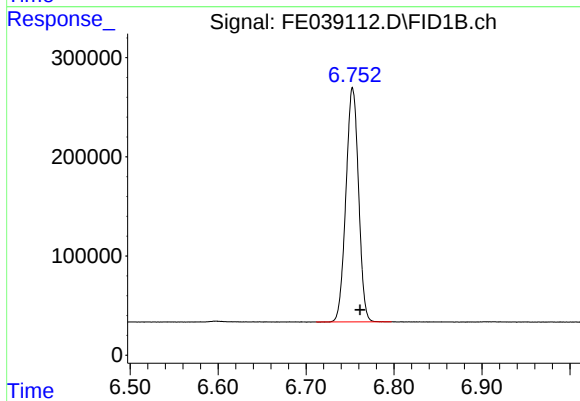
#2 n-Decane (C10)

R.T.: 4.590 min
Delta R.T.: -0.010 min
Response: 2325280
Conc: 16.68 ug/ml



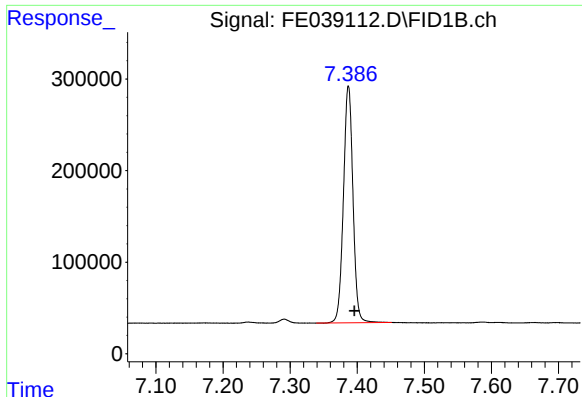
#3 A~Naphthalene (C11.7)

R.T.: 6.293 min
Delta R.T.: -0.010 min
Response: 2719131
Conc: 17.10 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.753 min
Delta R.T.: -0.008 min
Response: 2358252
Conc: 16.73 ug/ml



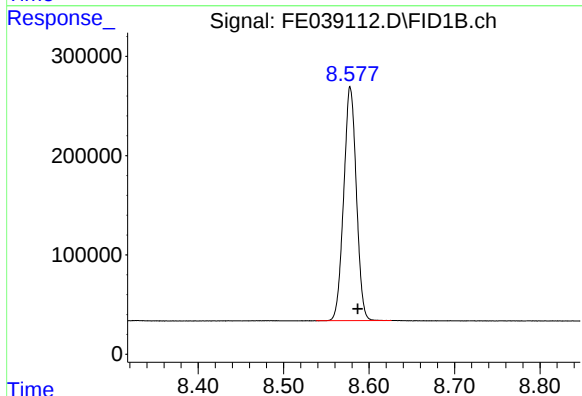
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.387 min
Delta R.T.: -0.009 min
Response: 2553294
Conc: 17.06 ug/ml

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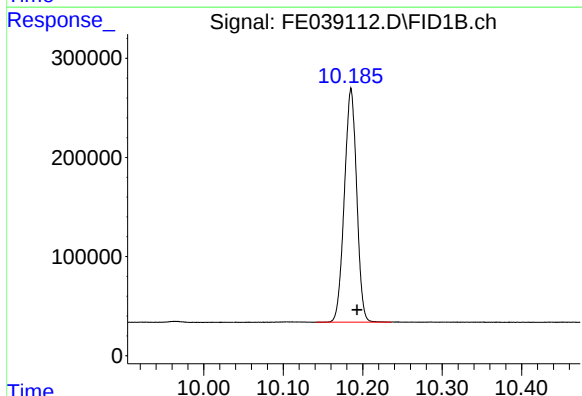
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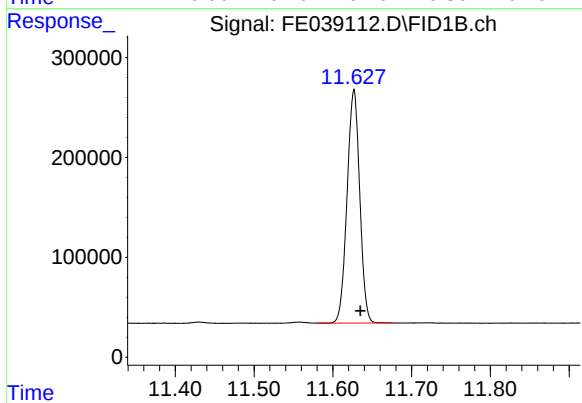
#6 n-Tetradecane (C14)

R.T.: 8.578 min
Delta R.T.: -0.009 min
Response: 2424464
Conc: 16.98 ug/ml



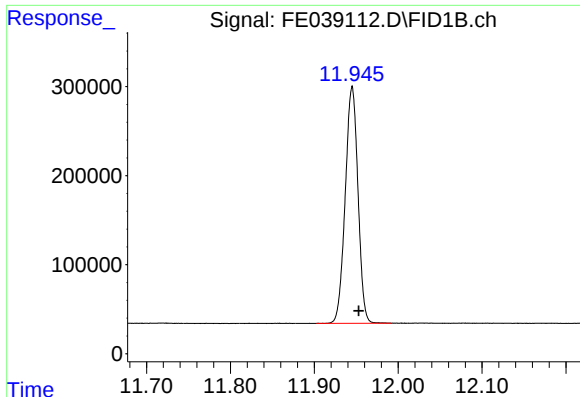
#7 n-Hexadecane (C16)

R.T.: 10.185 min
Delta R.T.: -0.008 min
Response: 2542115
Conc: 17.39 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.627 min
Delta R.T.: -0.008 min
Response: 2608816
Conc: 17.73 ug/ml



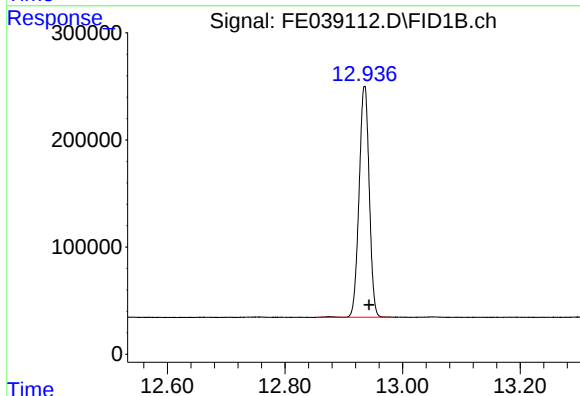
#9 ortho-Terphenyl (SURR)

R.T.: 11.945 min
Delta R.T.: -0.008 min
Response: 2802045
Conc: 17.91 ug/ml

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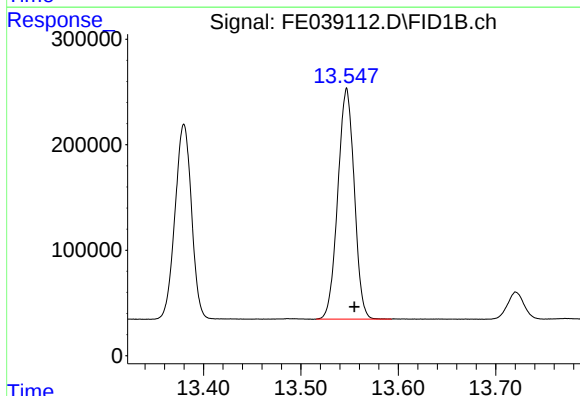
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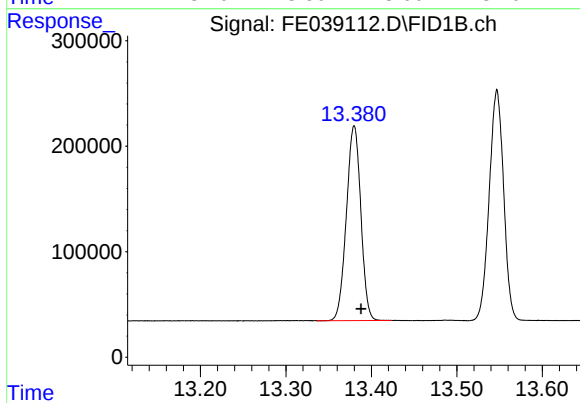
#10 n-Eicosane (C20)

R.T.: 12.935 min
Delta R.T.: -0.007 min
Response: 2583664
Conc: 18.20 ug/ml



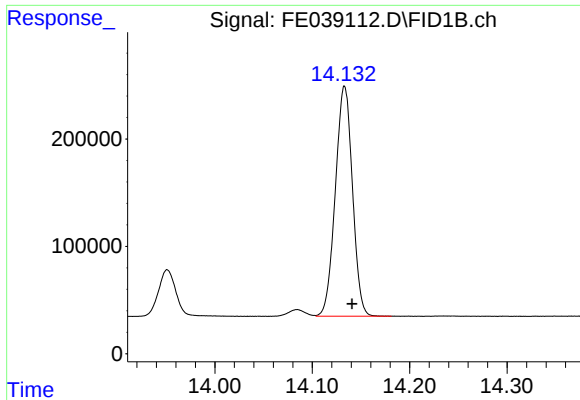
#11 n-Heneicosane (C21)

R.T.: 13.547 min
Delta R.T.: -0.008 min
Response: 2567080
Conc: 18.07 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.380 min
Delta R.T.: -0.008 min
Response: 2168388
Conc: 17.96 ug/ml



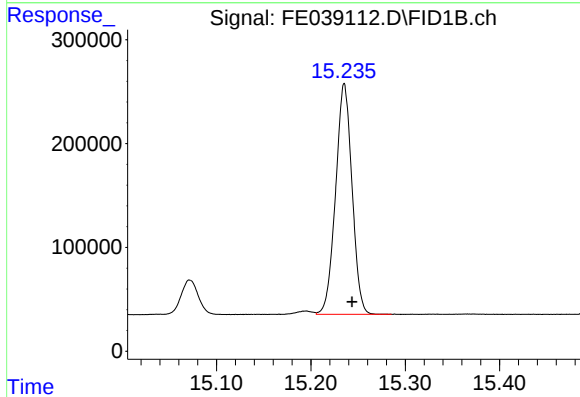
#13 n-Docosane (C22)

R.T.: 14.133 min
Delta R.T.: -0.008 min
Response: 2618131
Conc: 18.73 ug/ml

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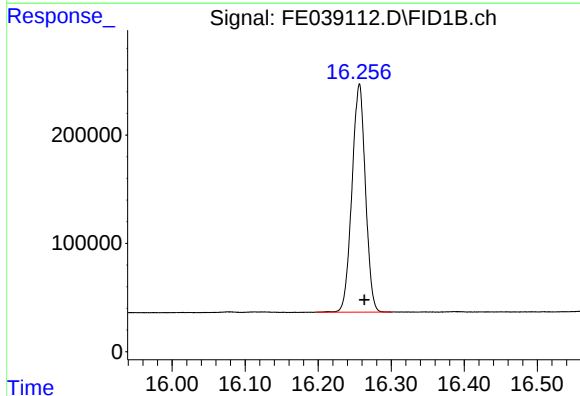
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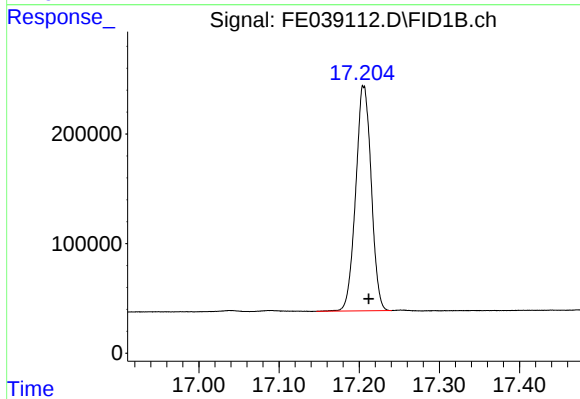
#14 n-Tetracosane (C24)

R.T.: 15.235 min
Delta R.T.: -0.008 min
Response: 2686249
Conc: 19.45 ug/ml



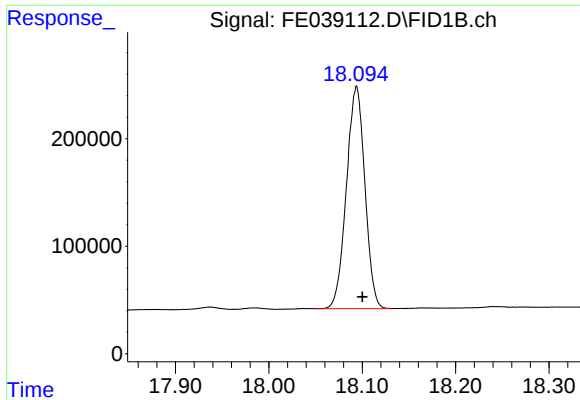
#15 n-Hexacosane (C26)

R.T.: 16.257 min
Delta R.T.: -0.007 min
Response: 2702466
Conc: 20.12 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.206 min
Delta R.T.: -0.006 min
Response: 2766644
Conc: 20.83 ug/ml



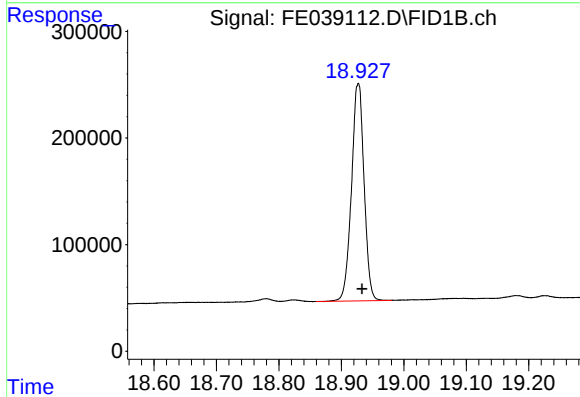
#17 n-Tricontane (C30)

R.T.: 18.094 min
Delta R.T.: -0.006 min
Response: 2838646
Conc: 21.49 ug/ml

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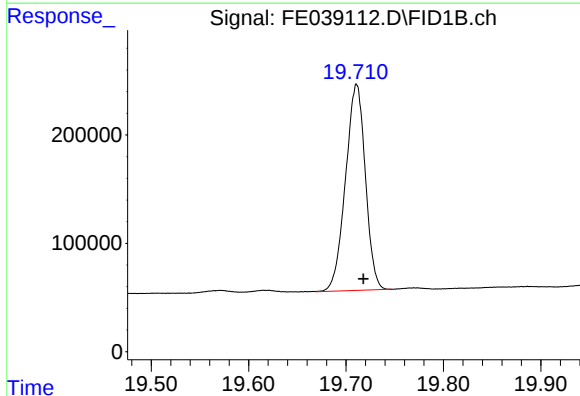
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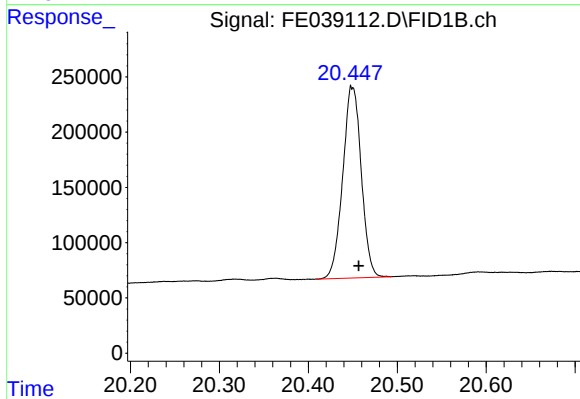
#18 n-Dotriacontane (C32)

R.T.: 18.927 min
Delta R.T.: -0.006 min
Response: 2852666
Conc: 21.39 ug/ml



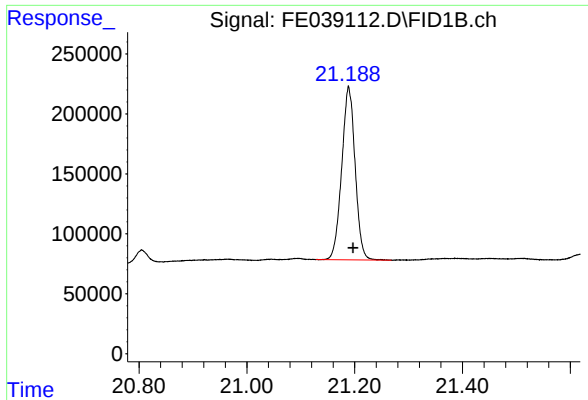
#19 n-Tetratriacontane (C34)

R.T.: 19.710 min
Delta R.T.: -0.008 min
Response: 2689438
Conc: 20.32 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.447 min
Delta R.T.: -0.009 min
Response: 2508459
Conc: 19.53 ug/ml m



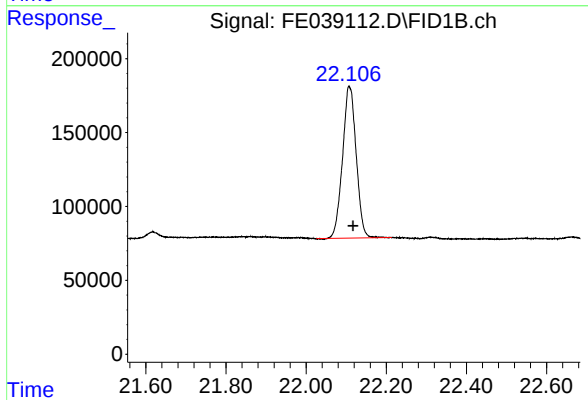
#21 n-Octatriacontane (C38)

R.T.: 21.189 min
Delta R.T.: -0.008 min
Response: 2490849
Conc: 19.01 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.107 min
Delta R.T.: -0.010 min
Response: 2427853
Conc: 17.83 ug/ml