

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE122922AL\
 Data File : FE039542.D
 Signal(s) : FID1B.ch
 Acq On : 29 Dec 2022 09:06
 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 12/29/2022
 Supervised By :Ankita Jodhani 12/30/2022

Integration File: autoint1.e
 Quant Time: Dec 29 13:36:24 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 121722.M
 Quant Title : GC Extractables
 QLast Update : Sat Dec 17 15:09:52 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)	11.925	3105215	20.808 ug/ml
Spiked Amount 50.000		Recovery =	41.62%
12) S 1-chlorooctadecane (S...	13.360	2374213	20.628 ug/ml
Spiked Amount 50.000		Recovery =	41.26%
Target Compounds			
1) T n-Nonane (C9)	3.325	2684814	20.771 ug/ml
2) T n-Decane (C10)	4.572	2667003	20.931 ug/ml
3) T A~Naphthalene (C11.7)	6.273	2969964	20.545 ug/ml
4) T n-Dodecane (C12)	6.734	2697425	20.777 ug/ml
5) T A~2-methylnaphthalene...	7.367	2783571	20.553 ug/ml
6) T n-Tetradecane (C14)	8.560	2741379	20.688 ug/ml
7) T n-Hexadecane (C16)	10.166	2844816	20.678 ug/ml
8) T n-Octadecane (C18)	11.607	2898501	20.694 ug/ml
10) T n-Eicosane (C20)	12.917	2823866	20.687 ug/ml
11) T n-Heneicosane (C21)	13.526	2823353	20.700 ug/mlm
13) T n-Docosane (C22)	14.114	2816355	20.819 ug/ml
14) T n-Tetracosane (C24)	15.216	2823855	21.036 ug/ml
15) T n-Hexacosane (C26)	16.236	2752161	21.136 ug/ml
16) T n-Octacosane (C28)	17.186	2784668	21.637 ug/ml
17) T n-Tricontane (C30)	18.073	2896426	22.497 ug/mlm
18) T n-Dotriacontane (C32)	18.906	2917422	22.528 ug/ml
19) T n-Tetratriacontane (C34)	19.689	2729089	21.632 ug/ml
20) T n-Hexatriacontane (C36)	20.431	2503181	20.702 ug/mlm
21) T n-Octatriacontane (C38)	21.164	2416212	19.565 ug/ml
22) T n-Tetracontane (C40)	22.074	2395783	19.077 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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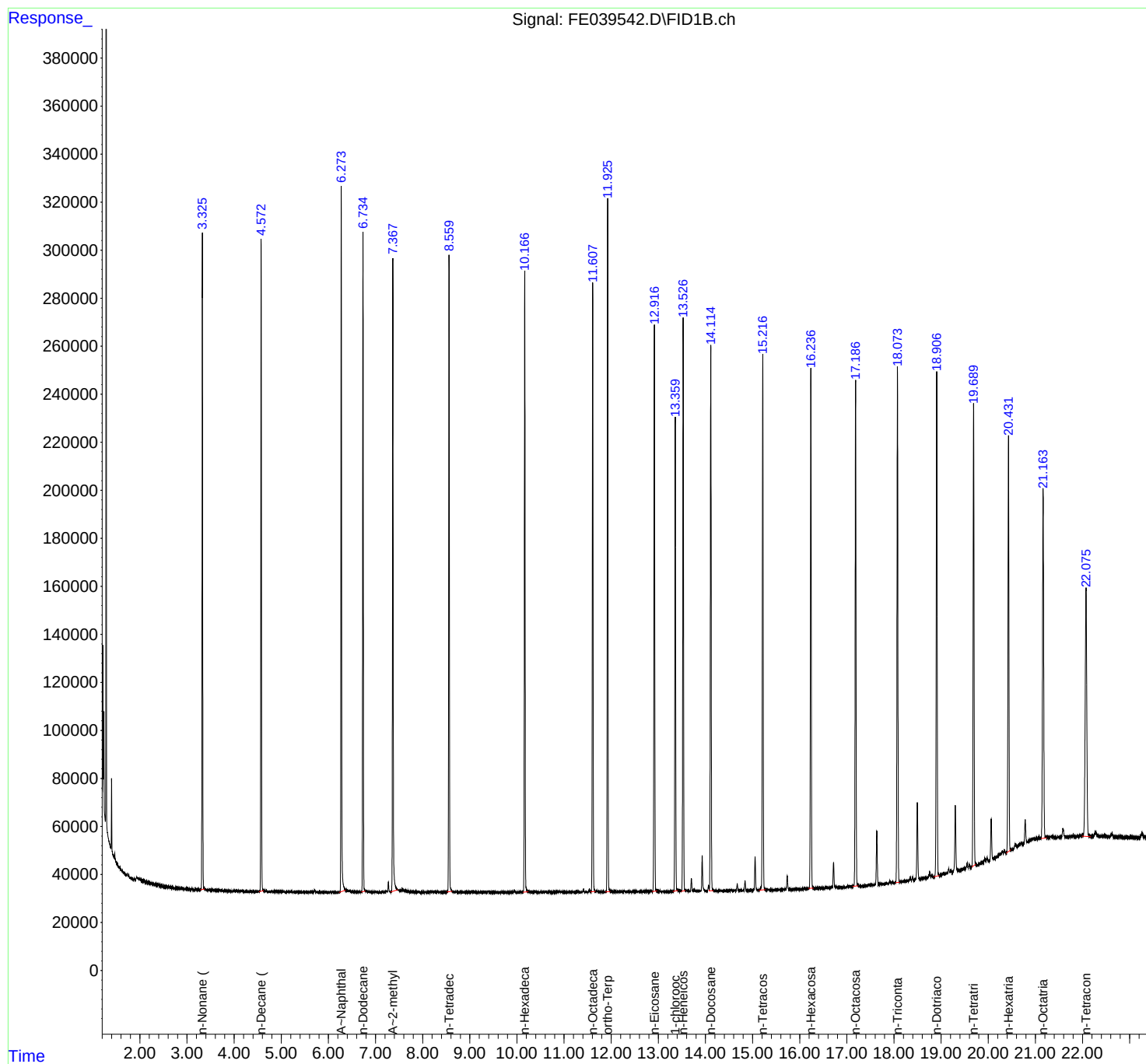
Instrument :
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20 PPM ALIPHATIC HC STD

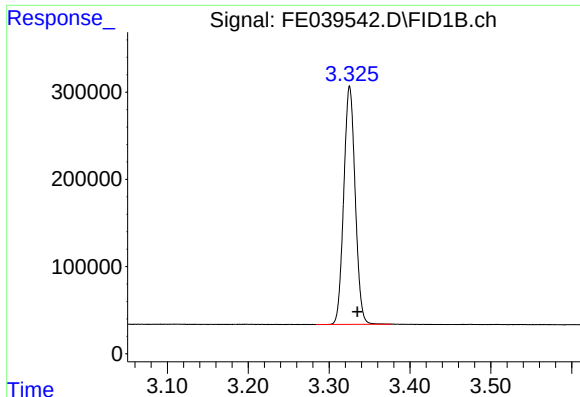
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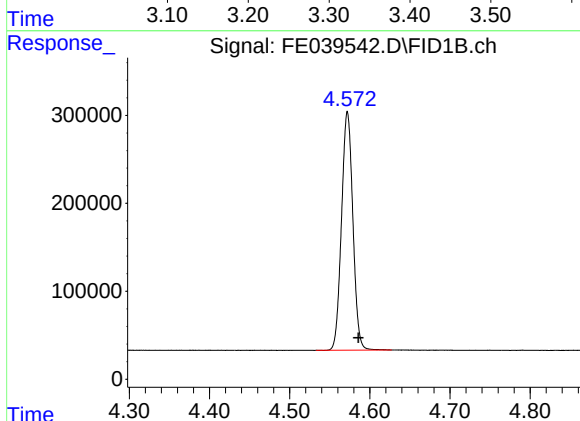
#1 n-Nonane (C9)

R.T.: 3.325 min
Delta R.T.: -0.010 min
Response: 2684814
Conc: 20.77 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

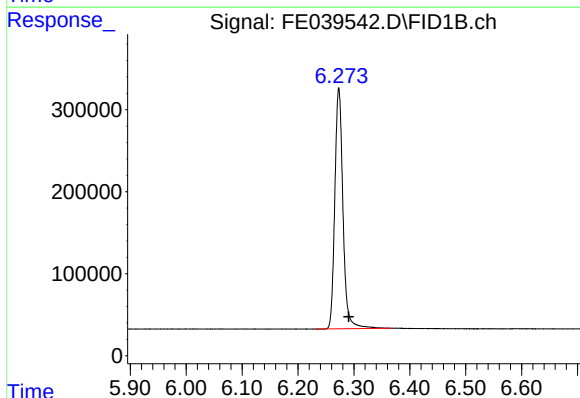
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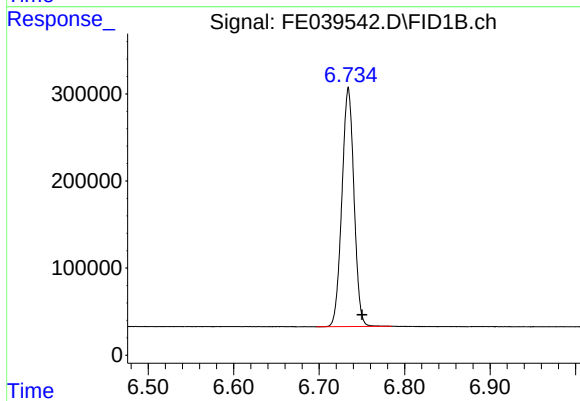
#2 n-Decane (C10)

R.T.: 4.572 min
Delta R.T.: -0.014 min
Response: 2667003
Conc: 20.93 ug/ml



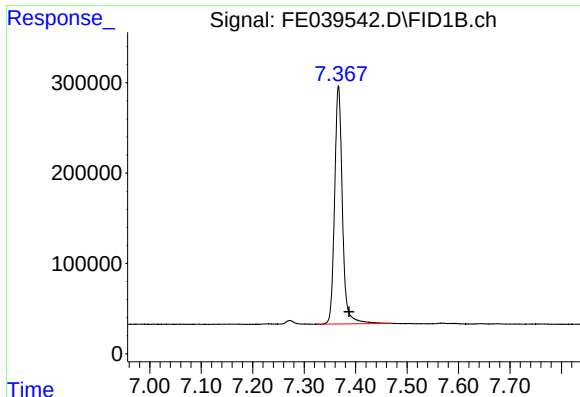
#3 A~Naphthalene (C11.7)

R.T.: 6.273 min
Delta R.T.: -0.018 min
Response: 2969964
Conc: 20.55 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.734 min
Delta R.T.: -0.016 min
Response: 2697425
Conc: 20.78 ug/ml



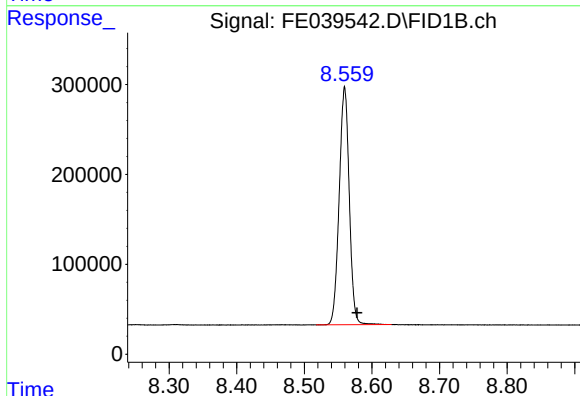
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.367 min
Delta R.T.: -0.020 min
Response: 2783571
Conc: 20.55 ug/ml

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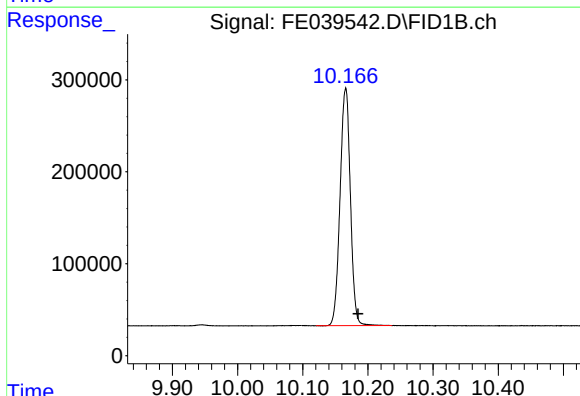
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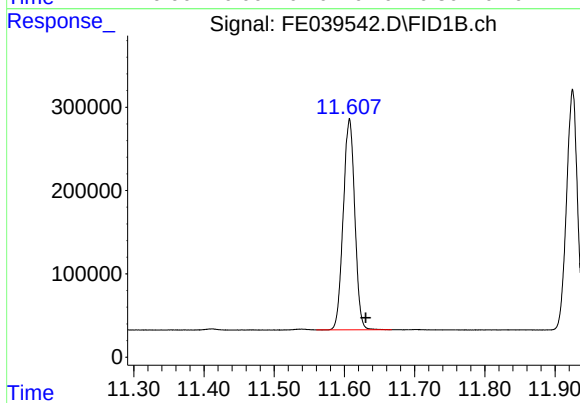
#6 n-Tetradecane (C14)

R.T.: 8.560 min
Delta R.T.: -0.018 min
Response: 2741379
Conc: 20.69 ug/ml



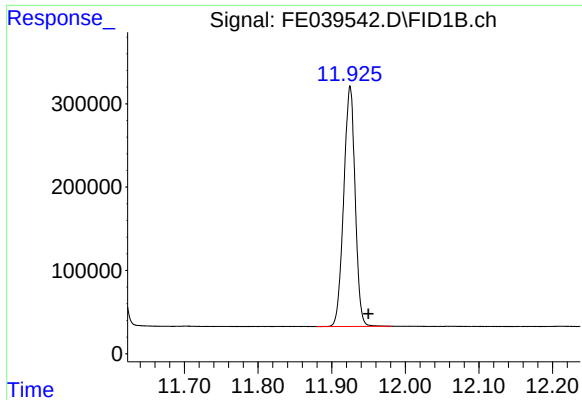
#7 n-Hexadecane (C16)

R.T.: 10.166 min
Delta R.T.: -0.019 min
Response: 2844816
Conc: 20.68 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.607 min
Delta R.T.: -0.023 min
Response: 2898501
Conc: 20.69 ug/ml



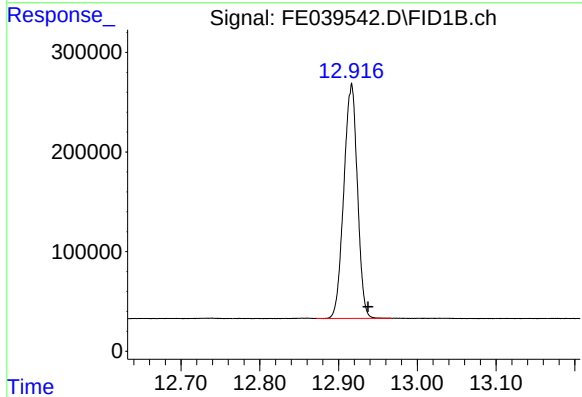
#9 ortho-Terphenyl (SURR)

R.T.: 11.925 min
Delta R.T.: -0.025 min
Response: 3105215
Conc: 20.81 ug/ml

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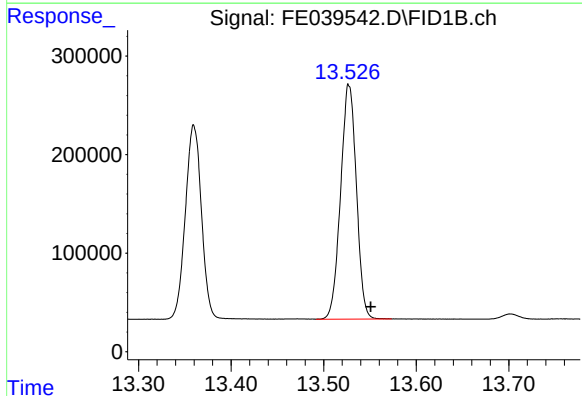
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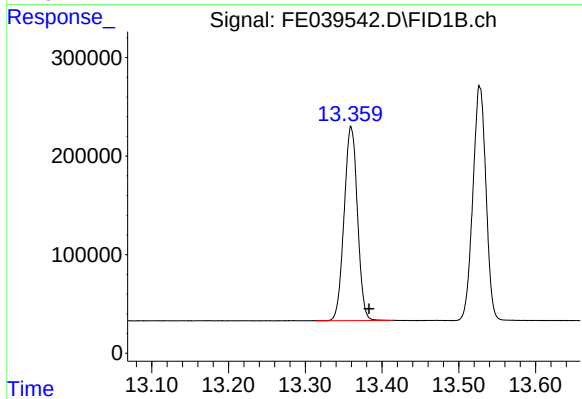
#10 n-Eicosane (C20)

R.T.: 12.917 min
Delta R.T.: -0.021 min
Response: 2823866
Conc: 20.69 ug/ml



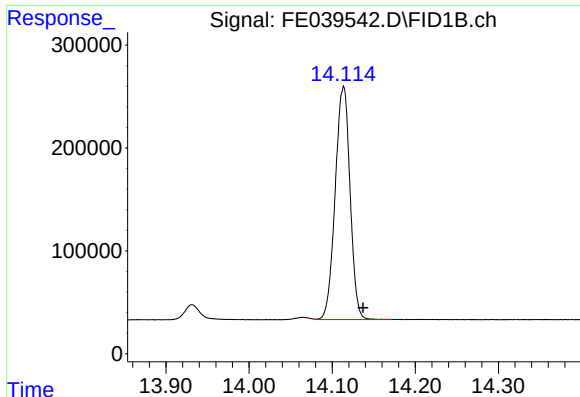
#11 n-Heneicosane (C21)

R.T.: 13.526 min
Delta R.T.: -0.025 min
Response: 2823353
Conc: 20.70 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.360 min
Delta R.T.: -0.023 min
Response: 2374213
Conc: 20.63 ug/ml



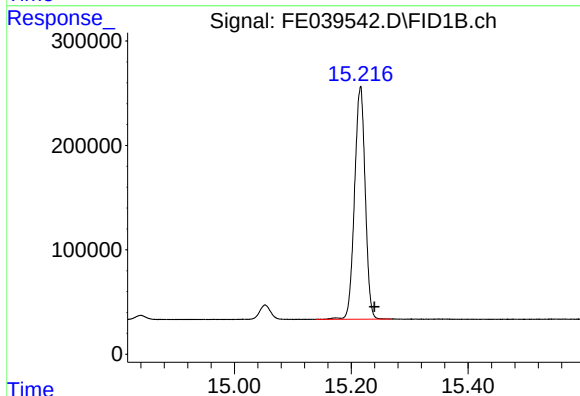
#13 n-Docosane (C22)

R.T.: 14.114 min
Delta R.T.: -0.023 min
Response: 2816355
Conc: 20.82 ug/ml

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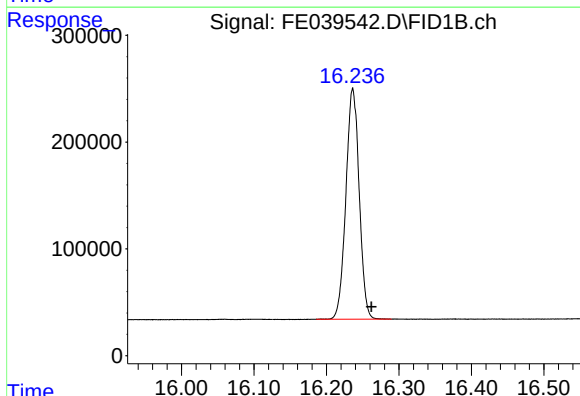
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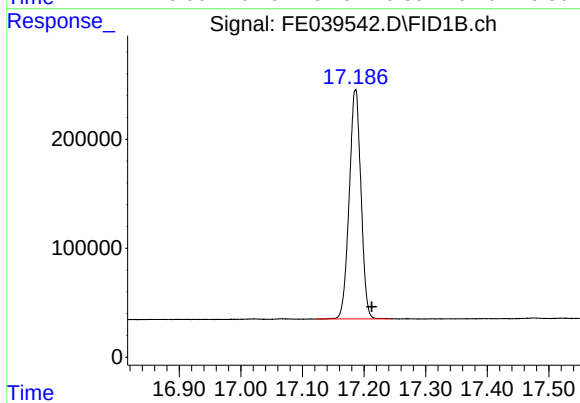
#14 n-Tetracosane (C24)

R.T.: 15.216 min
Delta R.T.: -0.024 min
Response: 2823855
Conc: 21.04 ug/ml



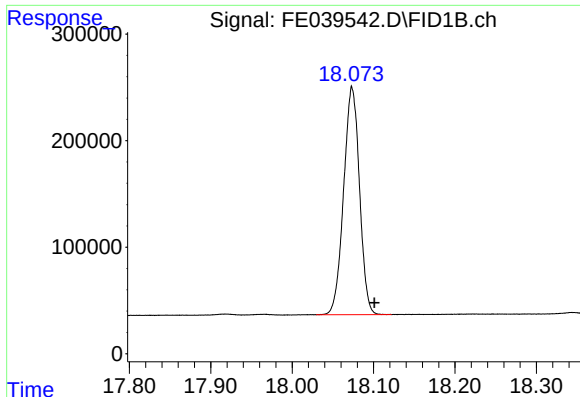
#15 n-Hexacosane (C26)

R.T.: 16.236 min
Delta R.T.: -0.026 min
Response: 2752161
Conc: 21.14 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.186 min
Delta R.T.: -0.026 min
Response: 2784668
Conc: 21.64 ug/ml



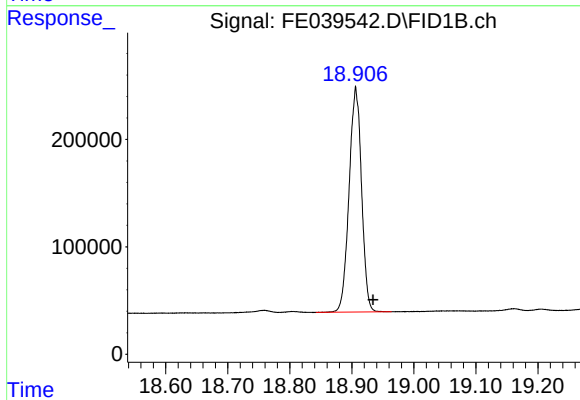
#17 n-Tricontane (C30)

R.T.: 18.073 min
Delta R.T.: -0.028 min
Response: 2896426
Conc: 22.50 ug/ml

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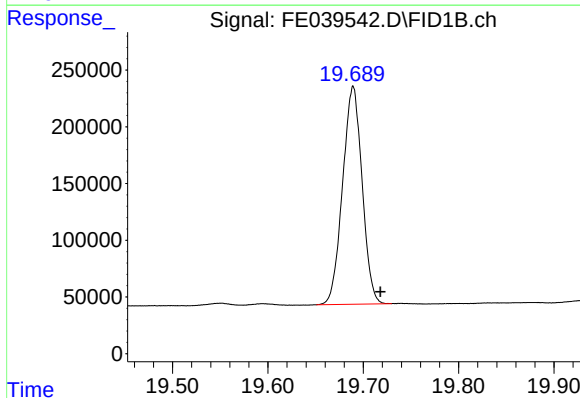
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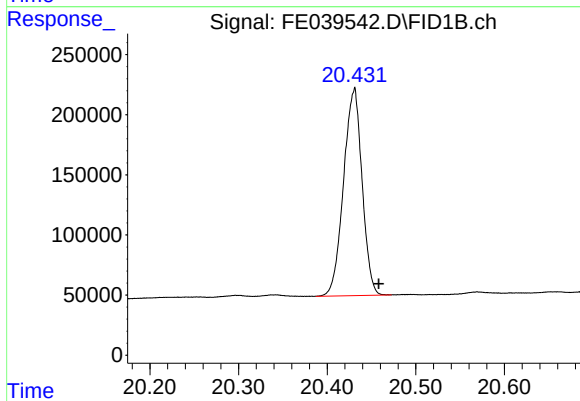
#18 n-Dotriacontane (C32)

R.T.: 18.906 min
Delta R.T.: -0.028 min
Response: 2917422
Conc: 22.53 ug/ml



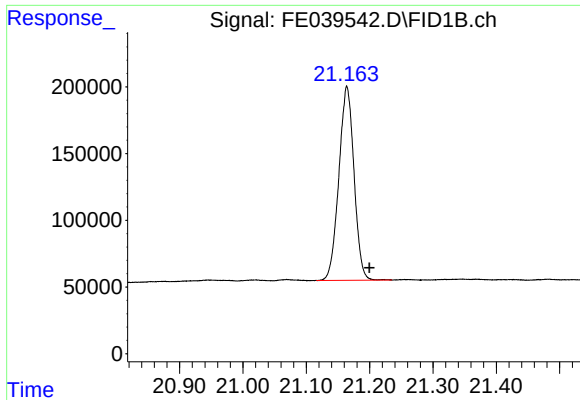
#19 n-Tetratriacontane (C34)

R.T.: 19.689 min
Delta R.T.: -0.028 min
Response: 2729089
Conc: 21.63 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.431 min
Delta R.T.: -0.027 min
Response: 2503181
Conc: 20.70 ug/ml m



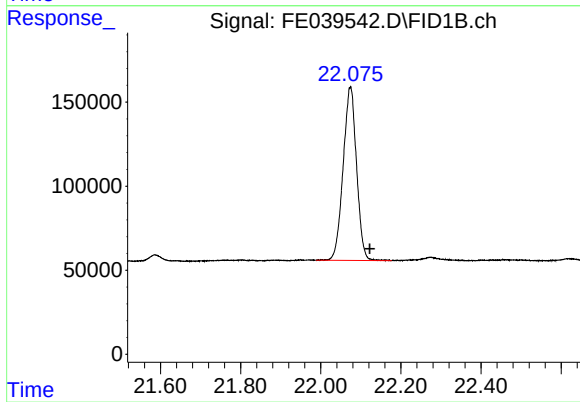
#21 n-Octatriacontane (C38)

R.T.: 21.164 min
Delta R.T.: -0.036 min
Response: 2416212
Conc: 19.56 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.074 min
Delta R.T.: -0.049 min
Response: 2395783
Conc: 19.08 ug/ml