

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070224AL\
 Data File : FC066712.D
 Signal(s) : FID1A.ch
 Acq On : 02 Jul 2024 07:14
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/03/2024
 Supervised By :Ankita Jodhani 07/03/2024

Integration File: autoint1.e
 Quant Time: Jul 03 02:59:58 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061724.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 17 13:44:39 2024
 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)	11.528	3658240	21.209 ug/ml
Spiked Amount 50.000		Recovery =	42.42%
12) S 1-chlorooctadecane (S...	12.966	2757955	19.988 ug/ml
Spiked Amount 50.000		Recovery =	39.98%
Target Compounds			
1) T n-Nonane (C9)	3.290	3119759	21.472 ug/ml
2) T n-Decane (C10)	4.356	3312729	22.209 ug/ml
3) T A~Naphthalene (C11.7)	5.938	3629146	22.352 ug/ml
4) T n-Dodecane (C12)	6.375	3335530	22.008 ug/ml
5) T A~2-methylnaphthalene...	6.995	3519568	22.154 ug/ml
6) T n-Tetradecane (C14)	8.170	3293240	21.711 ug/ml
7) T n-Hexadecane (C16)	9.772	3411003	21.294 ug/ml
8) T n-Octadecane (C18)	11.213	3438034	20.720 ug/ml
10) T n-Eicosane (C20)	12.522	3283446	20.198 ug/ml
11) T n-Heneicosane (C21)	13.134	3212832	19.940 ug/ml
13) T n-Docosane (C22)	13.720	3187094	19.879 ug/ml
14) T n-Tetracosane (C24)	14.823	3158406	19.901 ug/ml
15) T n-Hexacosane (C26)	15.842	3066570	20.083 ug/ml
16) T n-Octacosane (C28)	16.792	3032284	21.021 ug/ml
17) T n-Tricontane (C30)	17.678	3163289	22.641 ug/ml
18) T n-Dotriacontane (C32)	18.510	3095719	23.457 ug/ml
19) T n-Tetratriacontane (C34)	19.296	2859798	23.124 ug/ml
20) T n-Hexatriacontane (C36)	20.034	2609896	21.655 ug/mlm
21) T n-Octatriacontane (C38)	20.764	2456162	21.480 ug/ml
22) T n-Tetracontane (C40)	21.662	2329311	20.740 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 100 Sample Multiplier: 1

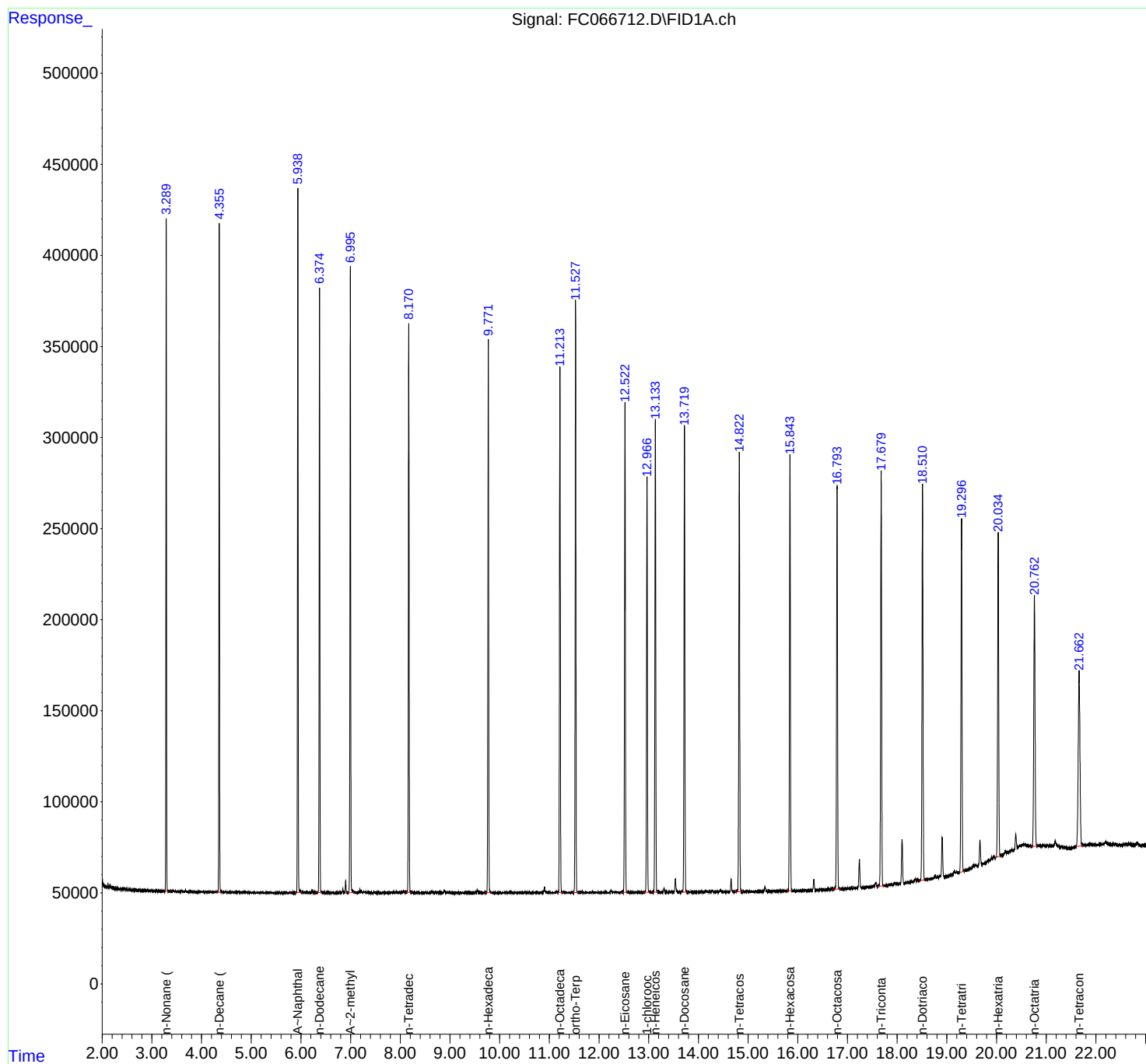
Instrument :
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20 PPM ALIPHATIC HC STD

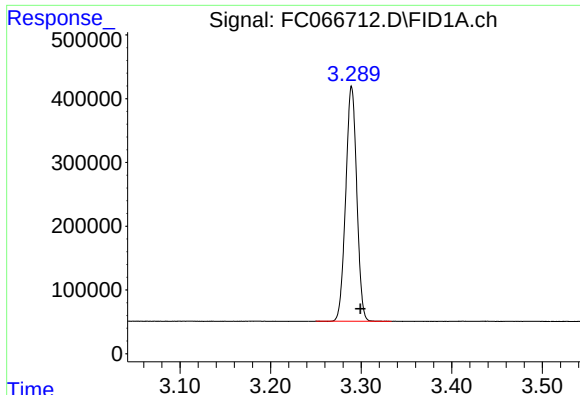
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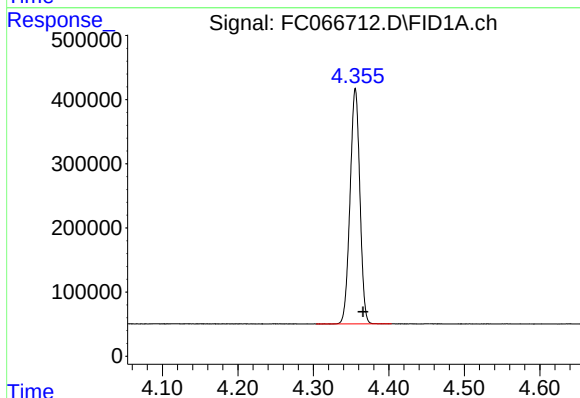
#1 n-Nonane (C9)

R.T.: 3.290 min
Delta R.T.: -0.009 min
Response: 3119759
Conc: 21.47 ug/ml

Instrument :
FID_C
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20 PPM ALIPHATIC HC STD

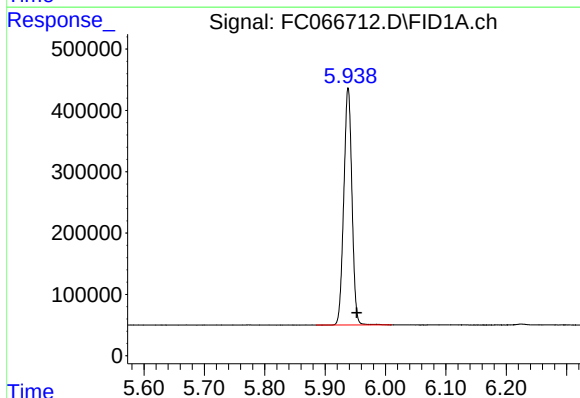
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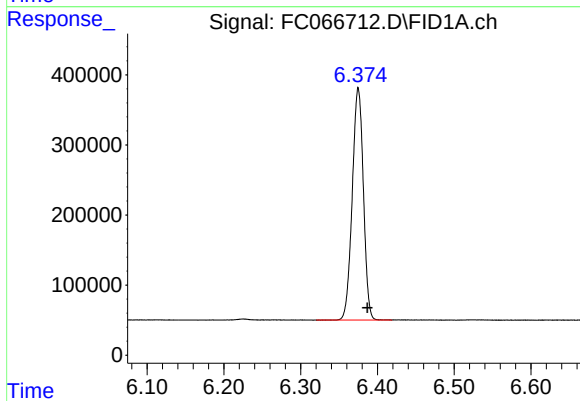
#2 n-Decane (C10)

R.T.: 4.356 min
Delta R.T.: -0.010 min
Response: 3312729
Conc: 22.21 ug/ml



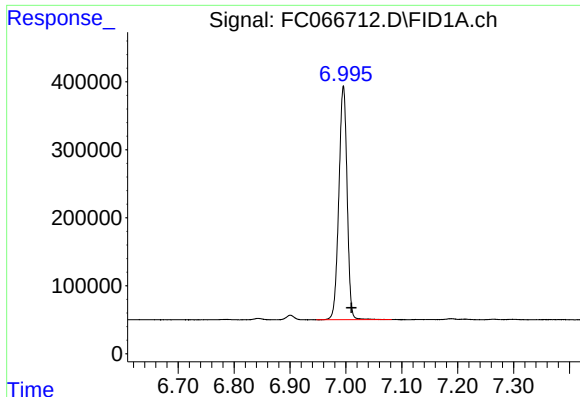
#3 A~Naphthalene (C11.7)

R.T.: 5.938 min
Delta R.T.: -0.014 min
Response: 3629146
Conc: 22.35 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.375 min
Delta R.T.: -0.012 min
Response: 3335530
Conc: 22.01 ug/ml



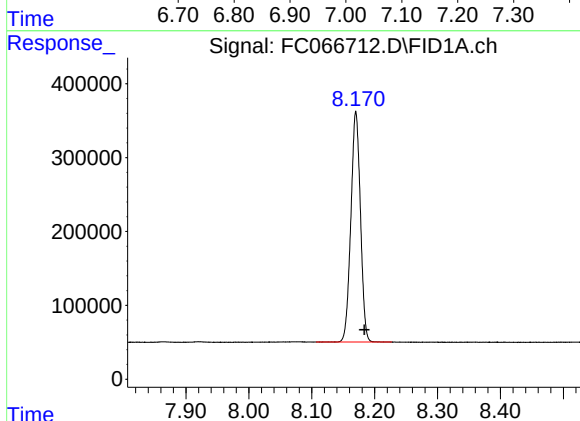
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.995 min
Delta R.T.: -0.015 min
Response: 3519568
Conc: 22.15 ug/ml

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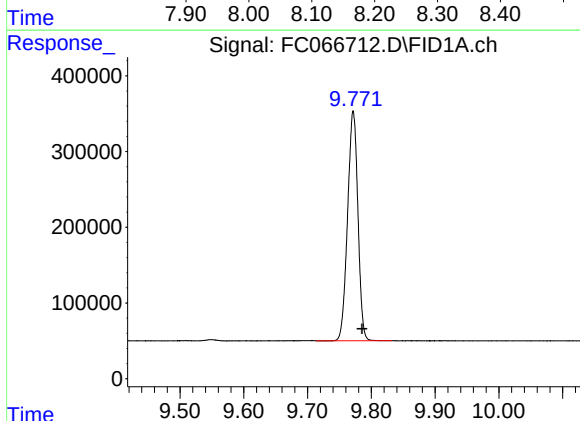
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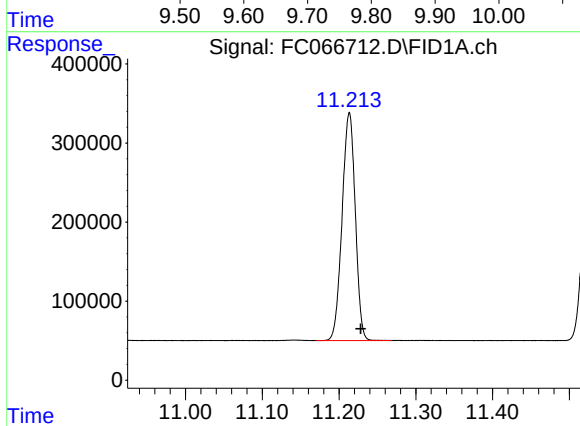
#6 n-Tetradecane (C14)

R.T.: 8.170 min
Delta R.T.: -0.013 min
Response: 3293240
Conc: 21.71 ug/ml



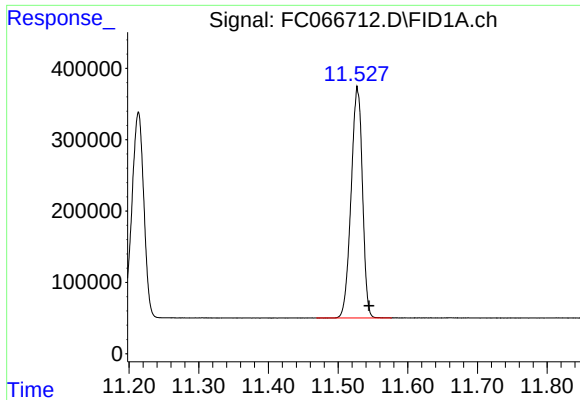
#7 n-Hexadecane (C16)

R.T.: 9.772 min
Delta R.T.: -0.014 min
Response: 3411003
Conc: 21.29 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.213 min
Delta R.T.: -0.015 min
Response: 3438034
Conc: 20.72 ug/ml



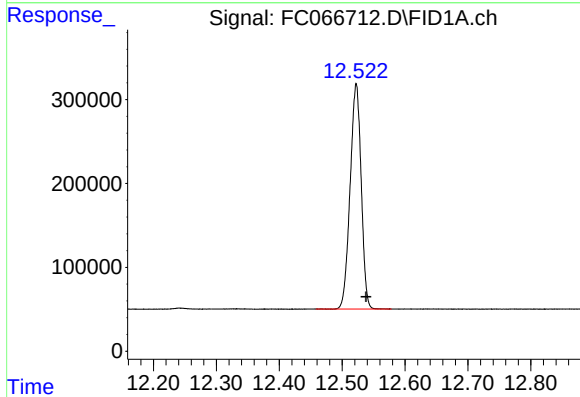
#9 ortho-Terphenyl (SURR)

R.T.: 11.528 min
Delta R.T.: -0.017 min
Response: 3658240
Conc: 21.21 ug/ml

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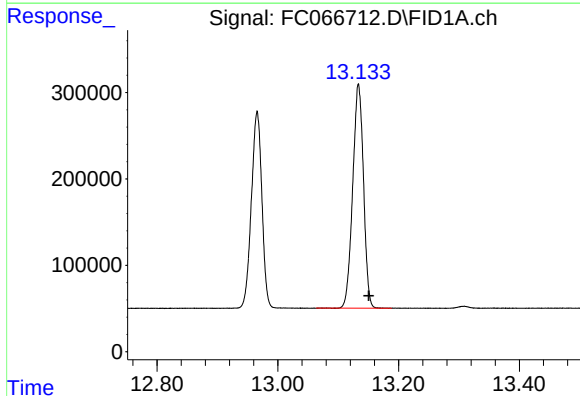
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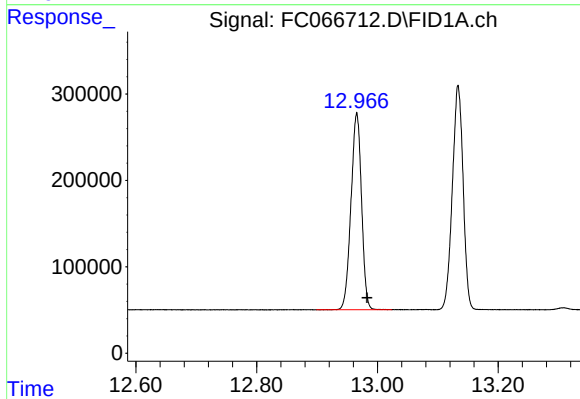
#10 n-Eicosane (C20)

R.T.: 12.522 min
Delta R.T.: -0.016 min
Response: 3283446
Conc: 20.20 ug/ml



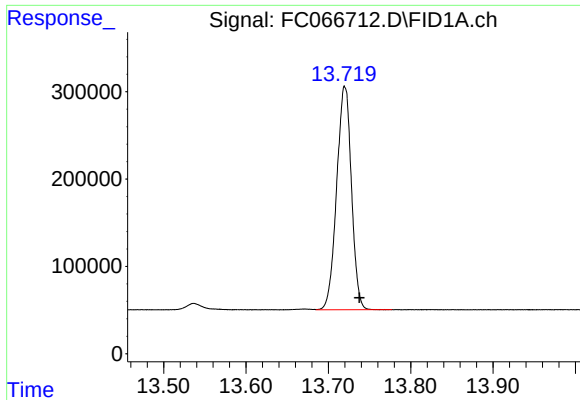
#11 n-Heneicosane (C21)

R.T.: 13.134 min
Delta R.T.: -0.017 min
Response: 3212832
Conc: 19.94 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.966 min
Delta R.T.: -0.017 min
Response: 2757955
Conc: 19.99 ug/ml



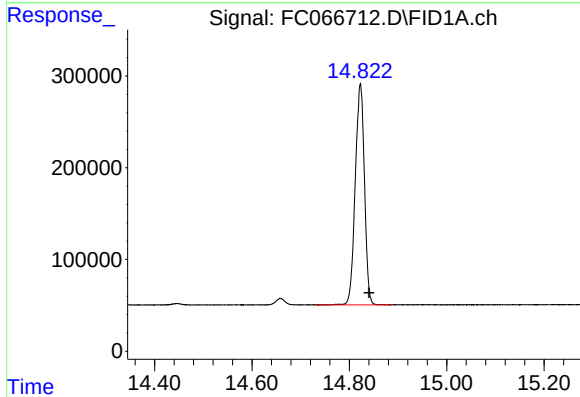
#13 n-Docosane (C22)

R.T.: 13.720 min
Delta R.T.: -0.018 min
Response: 3187094
Conc: 19.88 ug/ml

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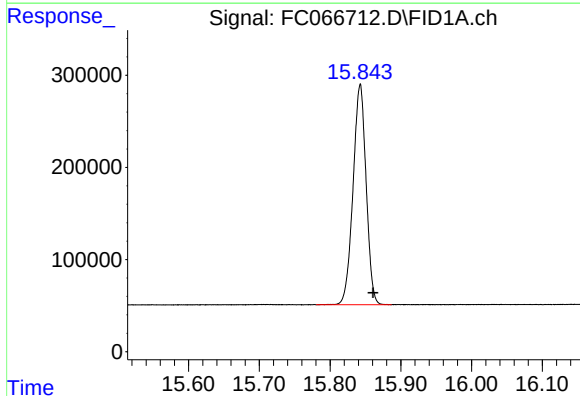
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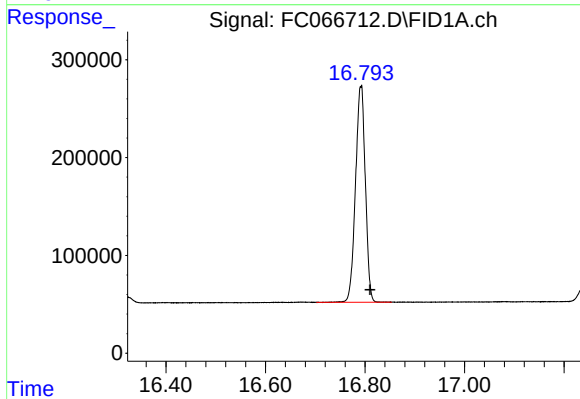
#14 n-Tetracosane (C24)

R.T.: 14.823 min
Delta R.T.: -0.018 min
Response: 3158406
Conc: 19.90 ug/ml



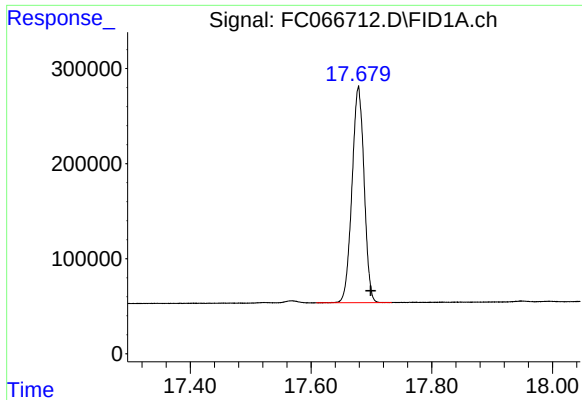
#15 n-Hexacosane (C26)

R.T.: 15.842 min
Delta R.T.: -0.018 min
Response: 3066570
Conc: 20.08 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.792 min
Delta R.T.: -0.019 min
Response: 3032284
Conc: 21.02 ug/ml



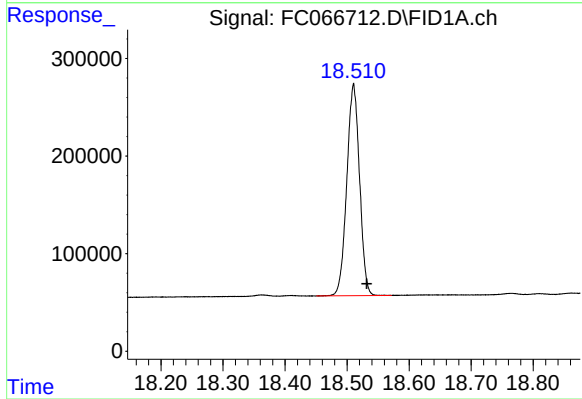
#17 n-Tricontane (C30)

R.T.: 17.678 min
Delta R.T.: -0.021 min
Response: 3163289
Conc: 22.64 ug/ml

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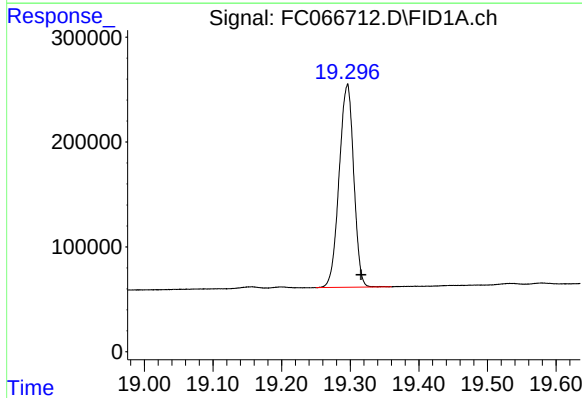
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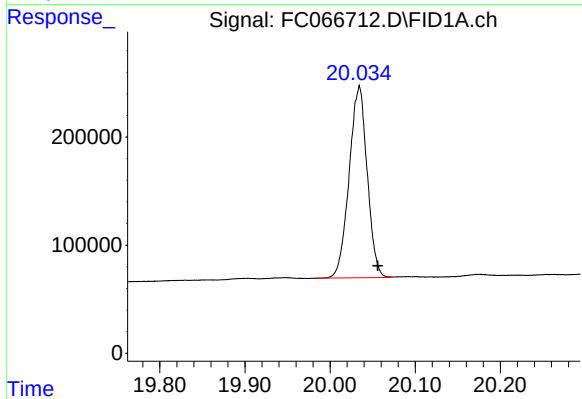
#18 n-Dotriacontane (C32)

R.T.: 18.510 min
Delta R.T.: -0.021 min
Response: 3095719
Conc: 23.46 ug/ml



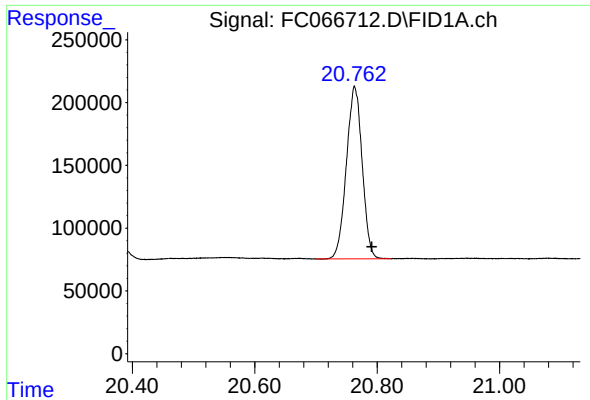
#19 n-Tetratriacontane (C34)

R.T.: 19.296 min
Delta R.T.: -0.020 min
Response: 2859798
Conc: 23.12 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.034 min
Delta R.T.: -0.022 min
Response: 2609896
Conc: 21.66 ug/ml m



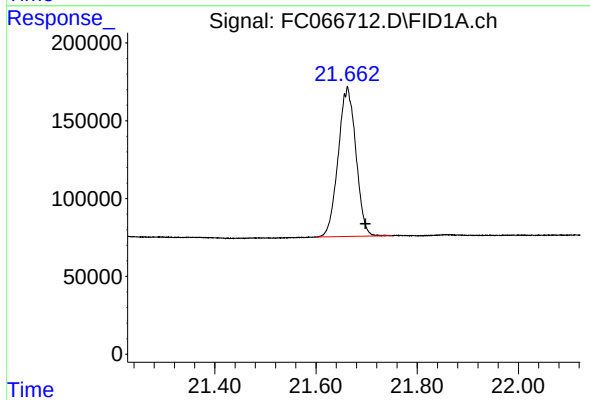
#21 n-Octatriacontane (C38)

R.T.: 20.764 min
Delta R.T.: -0.027 min
Response: 2456162
Conc: 21.48 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.662 min
Delta R.T.: -0.036 min
Response: 2329311
Conc: 20.74 ug/ml