

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070725AL\
 Data File : FG016226.D
 Signal(s) : FID1A.ch
 Acq On : 07 Jul 2025 10:55
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/08/2025
 Supervised By :mohammad ahmed 07/09/2025

Integration File: autoint1.e
 Quant Time: Jul 08 02:22:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:52:22 2025
 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)	12.099	2537023	19.663 ug/ml
Spiked Amount 50.000		Recovery =	39.33%
12) S 1-chlorooctadecane (S...	13.543	1962206	19.473 ug/ml
Spiked Amount 50.000		Recovery =	38.95%
Target Compounds			
1) T n-Nonane (C9)	3.413	2133269	19.716 ug/ml
2) T n-Decane (C10)	4.676	2168689	19.771 ug/ml
3) T A~Naphthalene (C11.7)	6.396	2397156	20.063 ug/ml
4) T n-Dodecane (C12)	6.858	2189405	19.884 ug/ml
5) T A~2-methylnaphthalene...	7.499	2338698	20.108 ug/ml
6) T n-Tetradecane (C14)	8.699	2180564	19.856 ug/ml
7) T n-Hexadecane (C16)	10.319	2264893	19.897 ug/ml
8) T n-Octadecane (C18)	11.774	2303862	19.790 ug/ml
10) T n-Eicosane (C20)	13.095	2243464	19.712 ug/ml
11) T n-Heneicosane (C21)	13.711	2219880	19.608 ug/ml
13) T n-Docosane (C22)	14.302	2212662	19.464 ug/ml
14) T n-Tetracosane (C24)	15.414	2203734	19.111 ug/ml
15) T n-Hexacosane (C26)	16.441	2146361	18.651 ug/ml
16) T n-Octacosane (C28)	17.398	2055378	18.111 ug/ml
17) T n-Tricontane (C30)	18.291	2019510	17.639 ug/ml
18) T n-Dotriacontane (C32)	19.128	1896171	17.391 ug/ml
19) T n-Tetratriacontane (C34)	19.916	1743794	17.626 ug/mlm
20) T n-Hexatriacontane (C36)	20.660	1564750	18.435 ug/mlm
21) T n-Octatriacontane (C38)	21.455	1390697	18.422 ug/ml
22) T n-Tetracontane (C40)	22.461	1341423	19.399 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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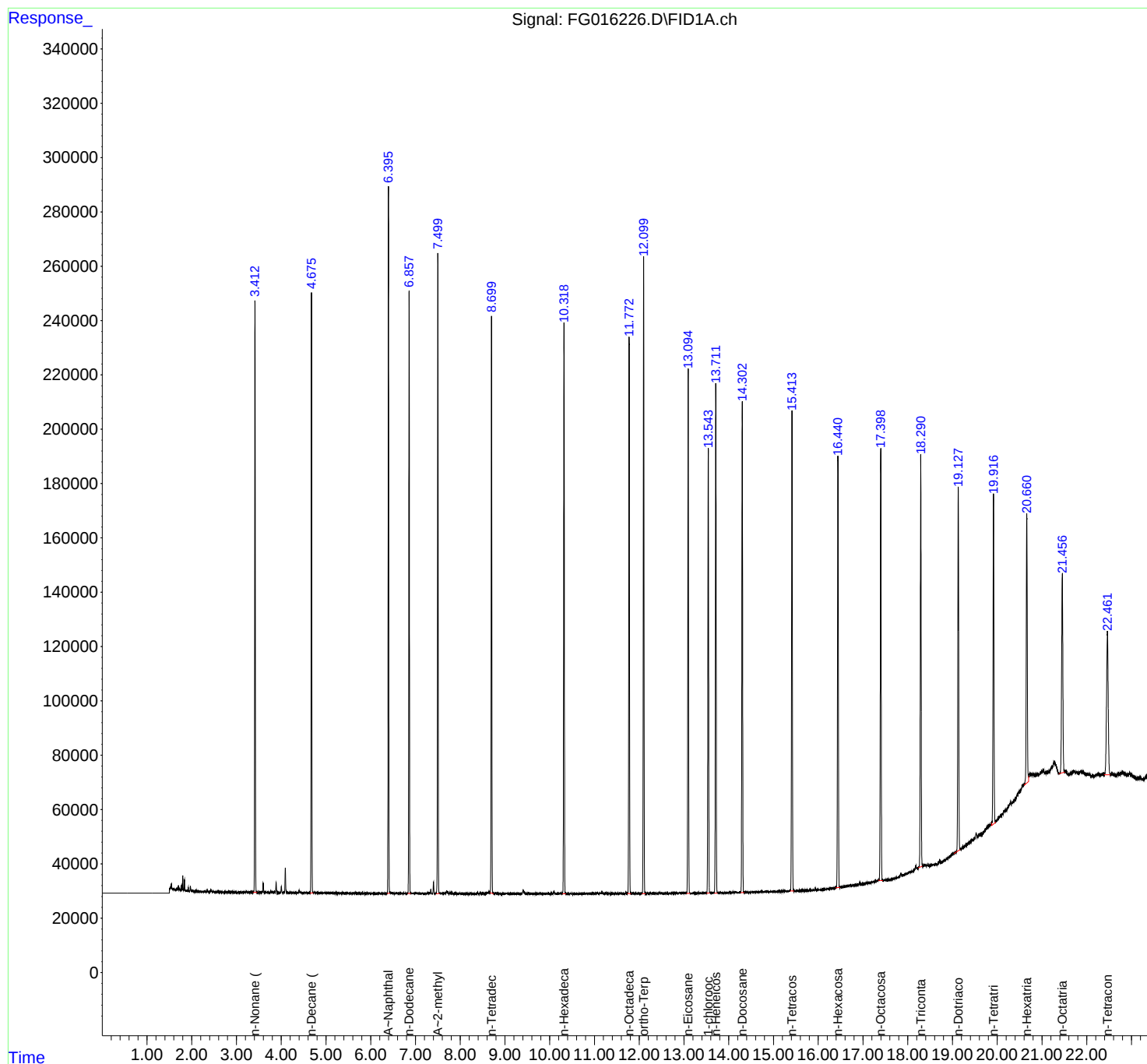
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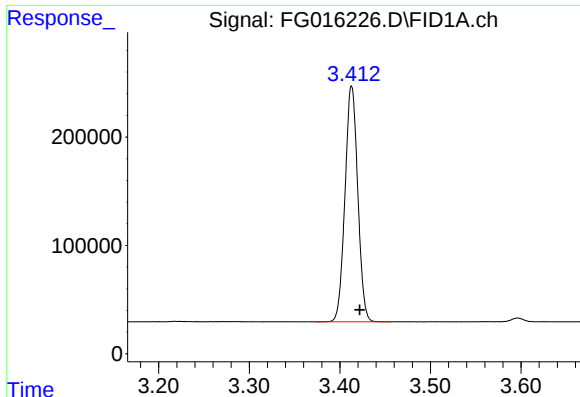
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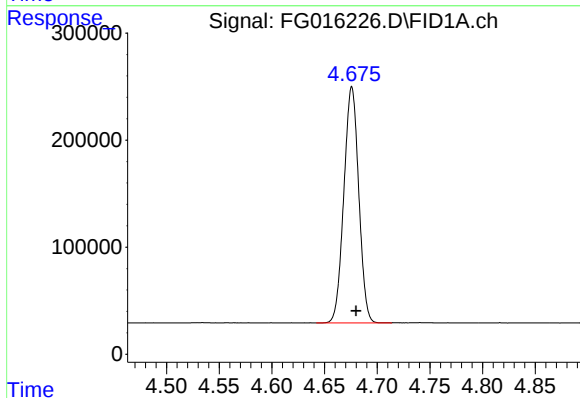
#1 n-Nonane (C9)

R.T.: 3.413 min
Delta R.T.: -0.009 min
Response: 2133269
Conc: 19.72 ug/ml

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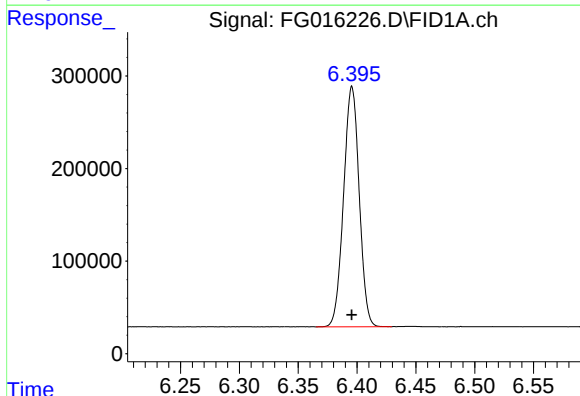
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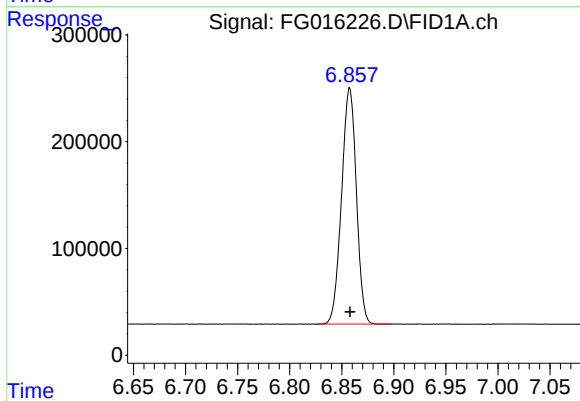
#2 n-Decane (C10)

R.T.: 4.676 min
Delta R.T.: -0.004 min
Response: 2168689
Conc: 19.77 ug/ml



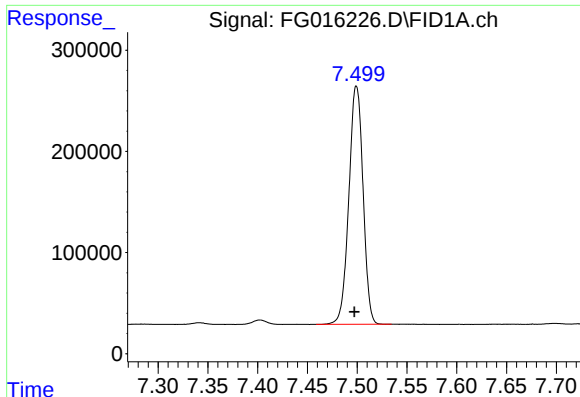
#3 A~Naphthalene (C11.7)

R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 2397156
Conc: 20.06 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.858 min
Delta R.T.: 0.000 min
Response: 2189405
Conc: 19.88 ug/ml



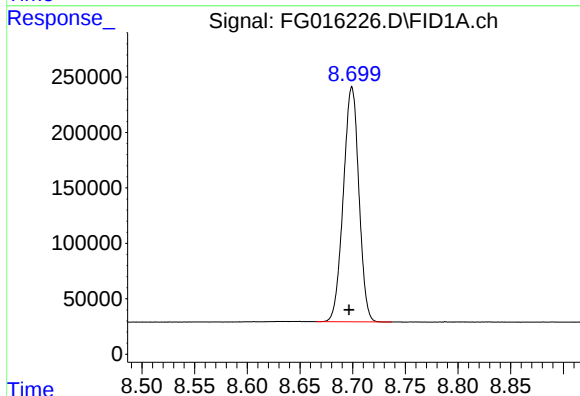
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.499 min
Delta R.T.: 0.002 min
Response: 2338698
Conc: 20.11 ug/ml

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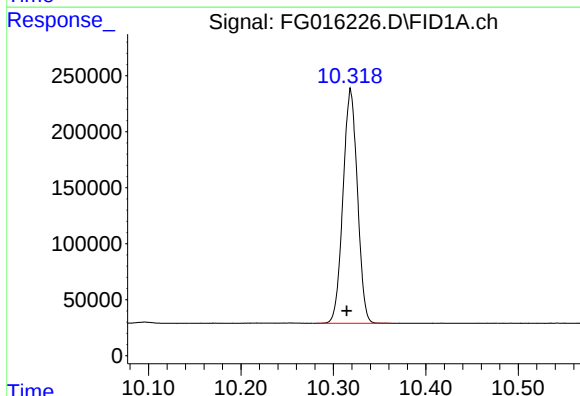
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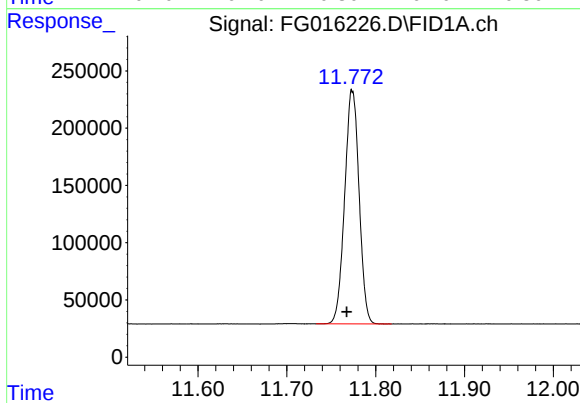
#6 n-Tetradecane (C14)

R.T.: 8.699 min
Delta R.T.: 0.003 min
Response: 2180564
Conc: 19.86 ug/ml



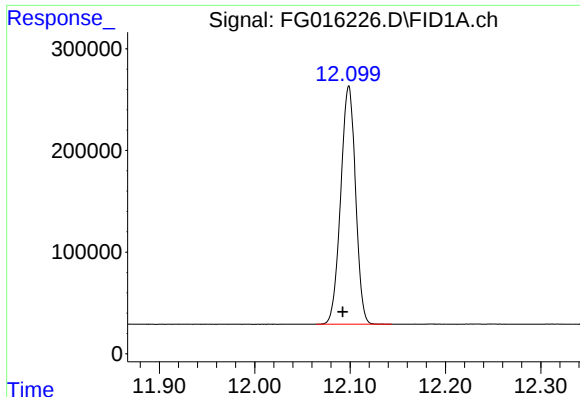
#7 n-Hexadecane (C16)

R.T.: 10.319 min
Delta R.T.: 0.004 min
Response: 2264893
Conc: 19.90 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.774 min
Delta R.T.: 0.006 min
Response: 2303862
Conc: 19.79 ug/ml



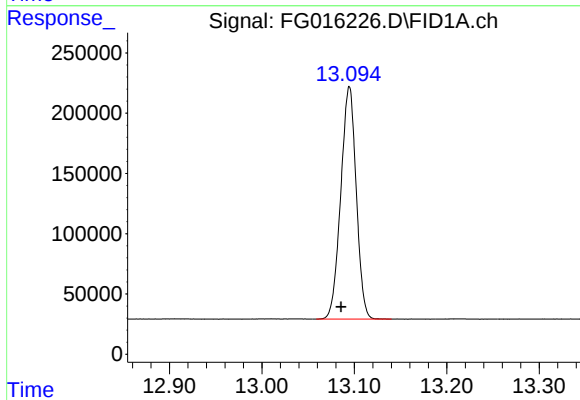
#9 ortho-Terphenyl (SURR)

R.T.: 12.099 min
Delta R.T.: 0.006 min
Response: 2537023
Conc: 19.66 ug/ml

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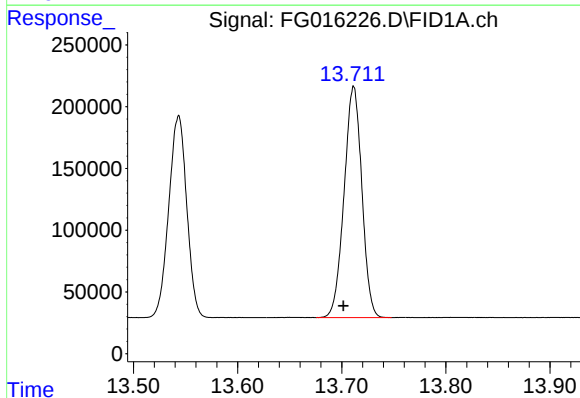
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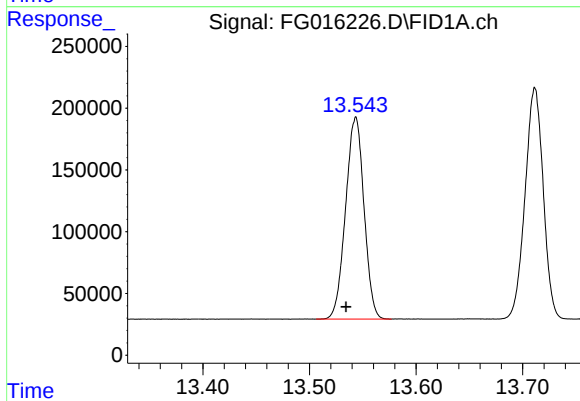
#10 n-Eicosane (C20)

R.T.: 13.095 min
Delta R.T.: 0.009 min
Response: 2243464
Conc: 19.71 ug/ml



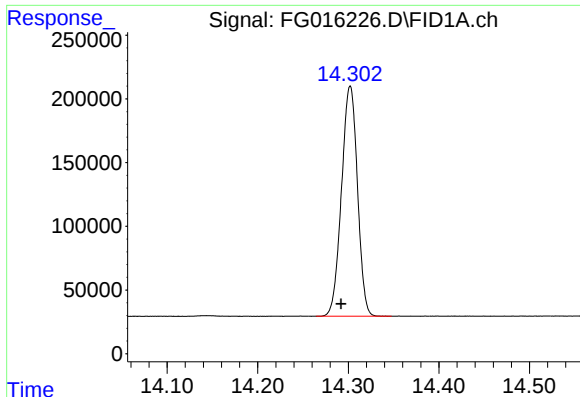
#11 n-Heneicosane (C21)

R.T.: 13.711 min
Delta R.T.: 0.010 min
Response: 2219880
Conc: 19.61 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.543 min
Delta R.T.: 0.009 min
Response: 1962206
Conc: 19.47 ug/ml



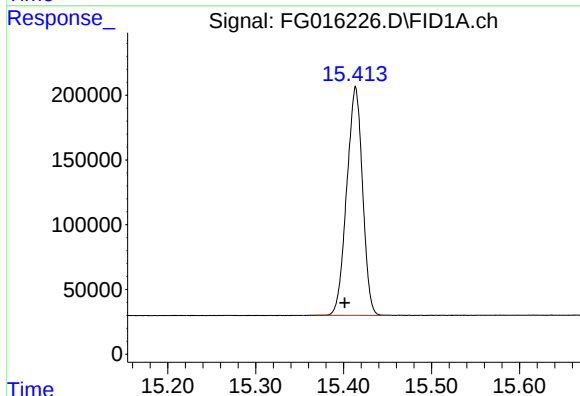
#13 n-Docosane (C22)

R.T.: 14.302 min
Delta R.T.: 0.010 min
Response: 2212662
Conc: 19.46 ug/ml

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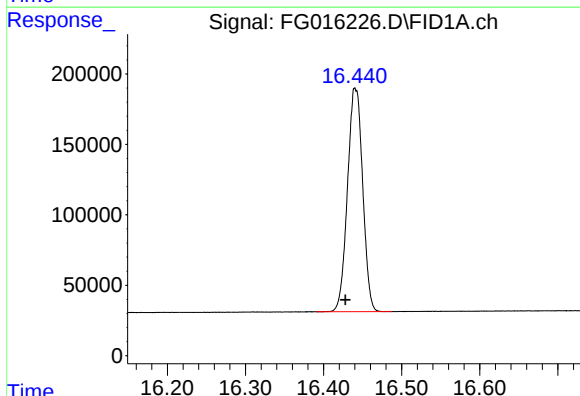
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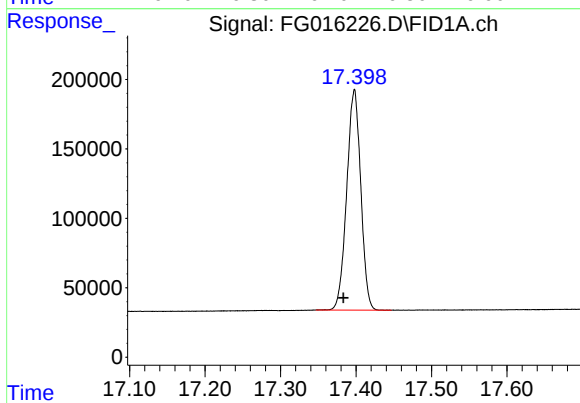
#14 n-Tetracosane (C24)

R.T.: 15.414 min
Delta R.T.: 0.012 min
Response: 2203734
Conc: 19.11 ug/ml



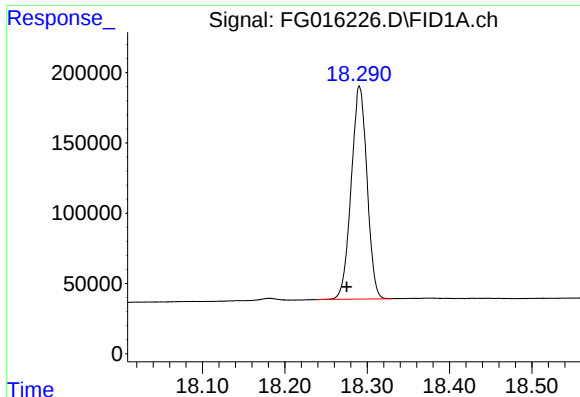
#15 n-Hexacosane (C26)

R.T.: 16.441 min
Delta R.T.: 0.013 min
Response: 2146361
Conc: 18.65 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.398 min
Delta R.T.: 0.015 min
Response: 2055378
Conc: 18.11 ug/ml



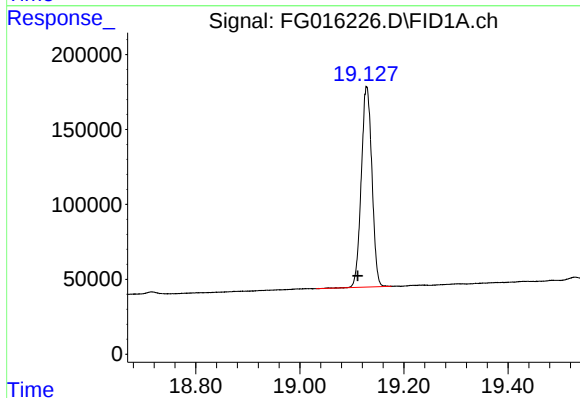
#17 n-Tricontane (C30)

R.T.: 18.291 min
Delta R.T.: 0.016 min
Response: 2019510
Conc: 17.64 ug/ml

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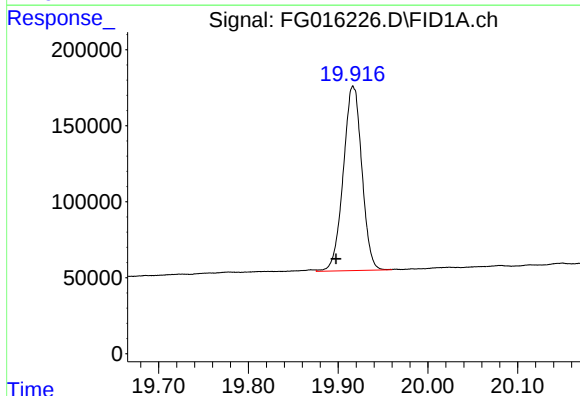
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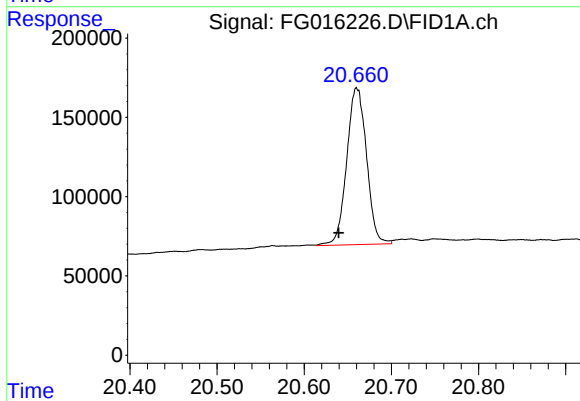
#18 n-Dotriacontane (C32)

R.T.: 19.128 min
Delta R.T.: 0.017 min
Response: 1896171
Conc: 17.39 ug/ml



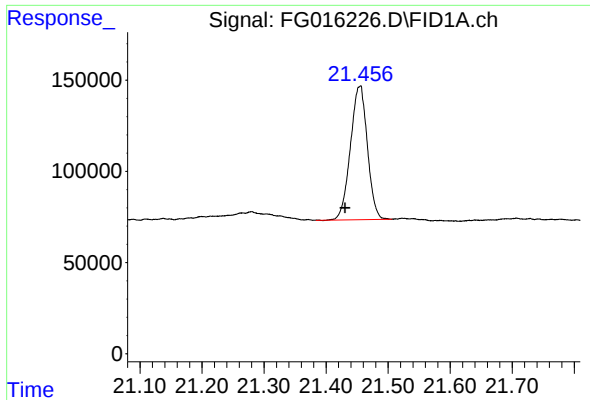
#19 n-Tetratriacontane (C34)

R.T.: 19.916 min
Delta R.T.: 0.019 min
Response: 1743794
Conc: 17.63 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.660 min
Delta R.T.: 0.020 min
Response: 1564750
Conc: 18.43 ug/ml m



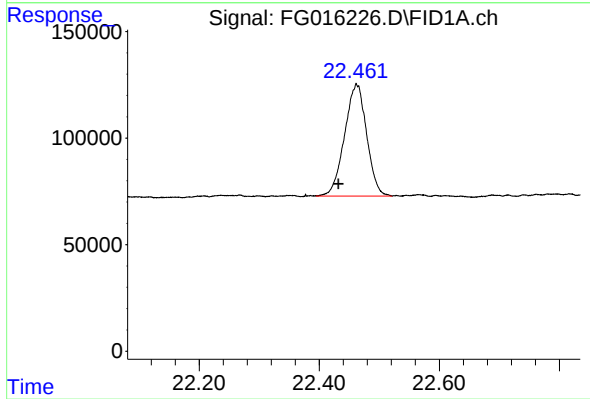
#21 n-Octatriacontane (C38)

R.T.: 21.455 min
Delta R.T.: 0.025 min
Response: 1390697
Conc: 18.42 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.461 min
Delta R.T.: 0.029 min
Response: 1341423
Conc: 19.40 ug/ml m