

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE020625AL\
 Data File : FE052279.D
 Signal(s) : FID1B.ch
 Acq On : 06 Feb 2025 22:34
 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 02/07/2025
 Supervised By :Ankita Jodhani 02/07/2025

Integration File: autoint1.e
 Quant Time: Feb 07 05:25:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
 Quant Title : GC Extractables
 QLast Update : Mon Feb 03 15:16:54 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)	12.307	2399383	19.386 ug/ml
Spiked Amount 50.000		Recovery =	38.77%
12) S 1-chlorooctadecane (S...	13.719	1860026	18.847 ug/ml
Spiked Amount 50.000		Recovery =	37.69%
Target Compounds			
1) T n-Nonane (C9)	3.771	1877743	20.103 ug/ml
2) T n-Decane (C10)	4.999	1952762	20.334 ug/ml
3) T A~Naphthalene (C11.7)	6.702	2215693	20.732 ug/ml
4) T n-Dodecane (C12)	7.130	2026966	20.450 ug/ml
5) T A~2-methylnaphthalene...	7.784	2178844	20.804 ug/ml
6) T n-Tetradecane (C14)	8.938	2064453	20.458 ug/ml
7) T n-Hexadecane (C16)	10.534	2171826	20.014 ug/ml
8) T n-Octadecane (C18)	11.969	2218181	19.526 ug/ml
10) T n-Eicosane (C20)	13.272	2149430	19.047 ug/ml
11) T n-Heneicosane (C21)	13.880	2128646	18.902 ug/ml
13) T n-Docosane (C22)	14.464	2106244	18.608 ug/ml
14) T n-Tetracosane (C24)	15.562	2083914	18.124 ug/ml
15) T n-Hexacosane (C26)	16.578	2036785	17.760 ug/ml
16) T n-Octacosane (C28)	17.524	1996041	17.641 ug/ml
17) T n-Tricontane (C30)	18.408	2021805	17.743 ug/ml
18) T n-Dotriacontane (C32)	19.238	1938270	17.778 ug/ml
19) T n-Tetratriacontane (C34)	20.019	1699602	17.915 ug/ml
20) T n-Hexatriacontane (C36)	20.756	1493785	18.078 ug/ml
21) T n-Octatriacontane (C38)	21.570	1428838	19.233 ug/ml
22) T n-Tetracontane (C40)	22.608	1474080	19.772 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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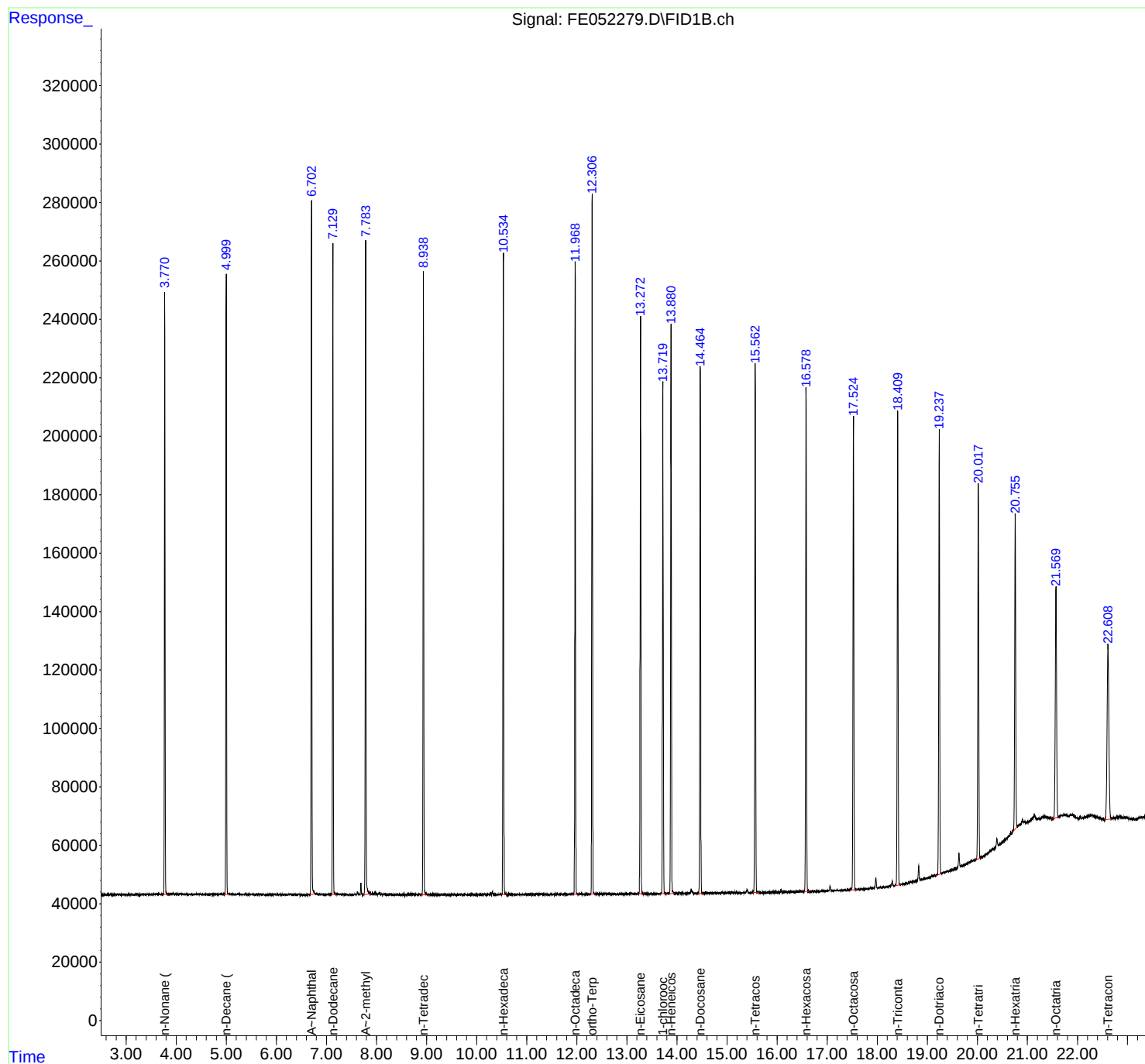
Instrument :
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20 PPM ALIPHATIC HC STD

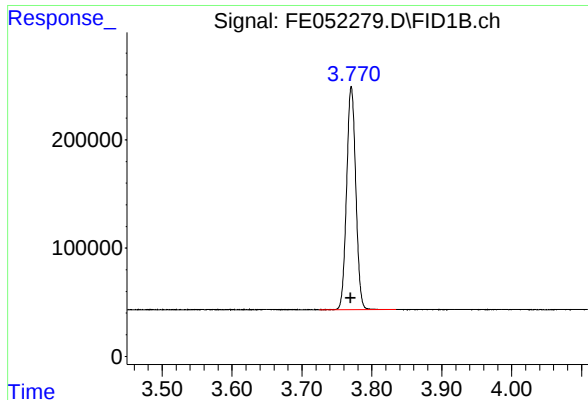
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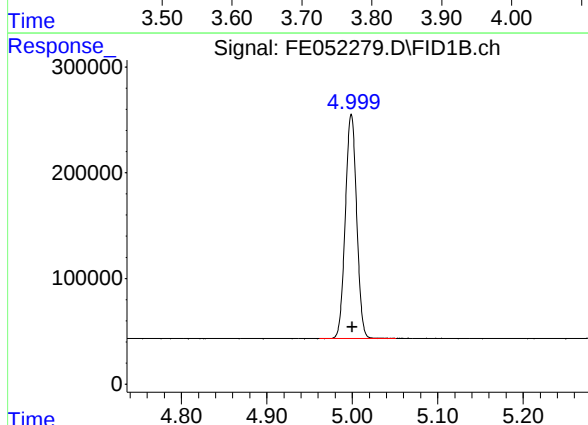
#1 n-Nonane (C9)

R.T.: 3.771 min
Delta R.T.: 0.000 min
Response: 1877743
Conc: 20.10 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

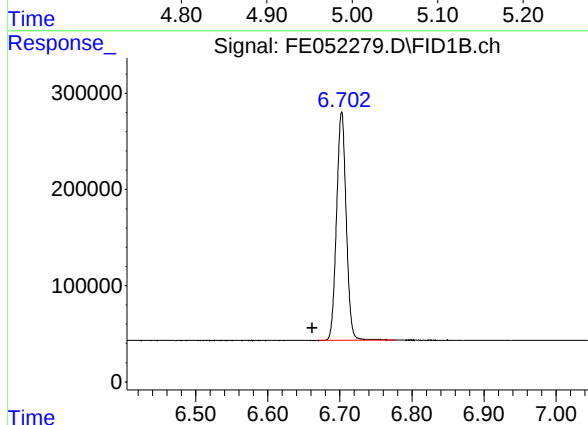
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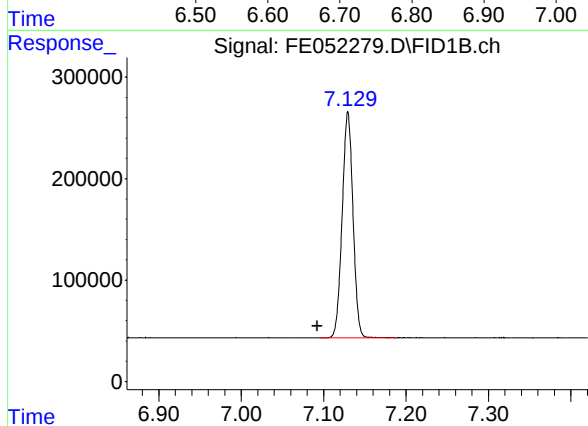
#2 n-Decane (C10)

R.T.: 4.999 min
Delta R.T.: -0.001 min
Response: 1952762
Conc: 20.33 ug/ml



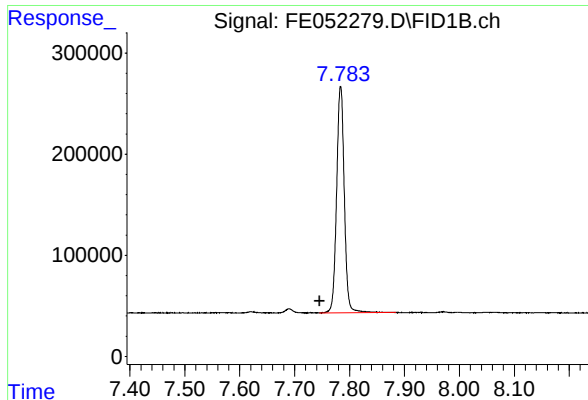
#3 n-Undecane (C11.7)

R.T.: 6.702 min
Delta R.T.: 0.040 min
Response: 2215693
Conc: 20.73 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.130 min
Delta R.T.: 0.037 min
Response: 2026966
Conc: 20.45 ug/ml



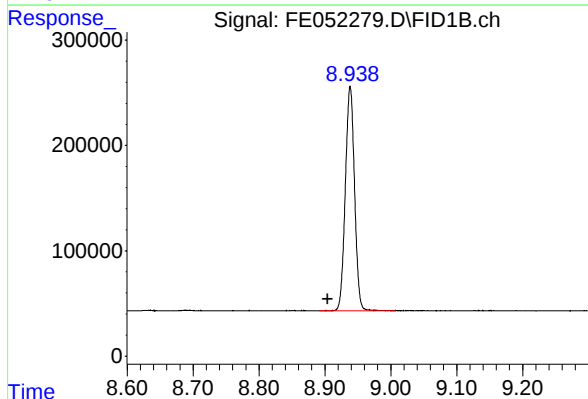
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.784 min
Delta R.T.: 0.038 min
Response: 2178844
Conc: 20.80 ug/ml

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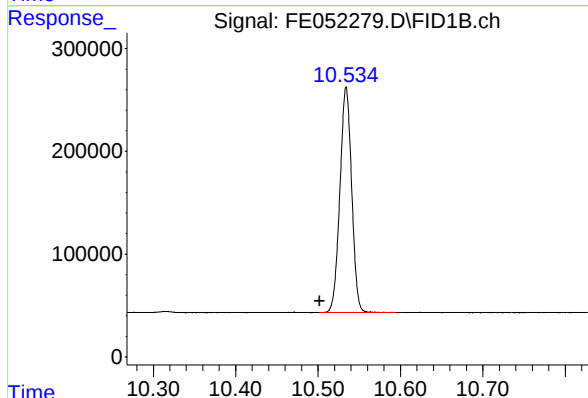
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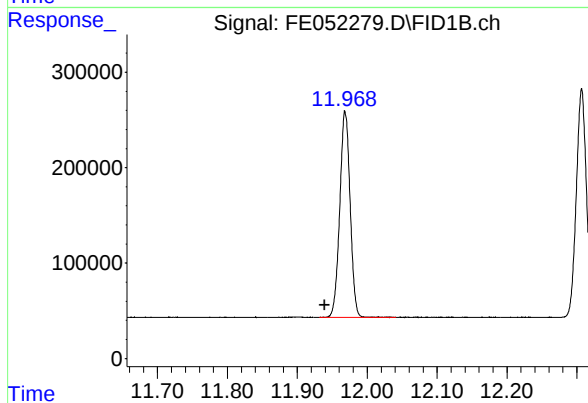
#6 n-Tetradecane (C14)

R.T.: 8.938 min
Delta R.T.: 0.034 min
Response: 2064453
Conc: 20.46 ug/ml



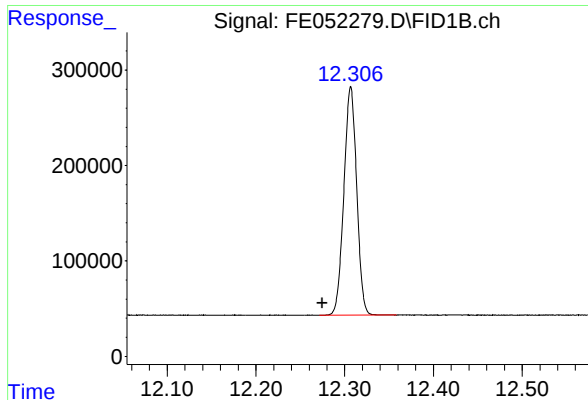
#7 n-Hexadecane (C16)

R.T.: 10.534 min
Delta R.T.: 0.032 min
Response: 2171826
Conc: 20.01 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.969 min
Delta R.T.: 0.030 min
Response: 2218181
Conc: 19.53 ug/ml



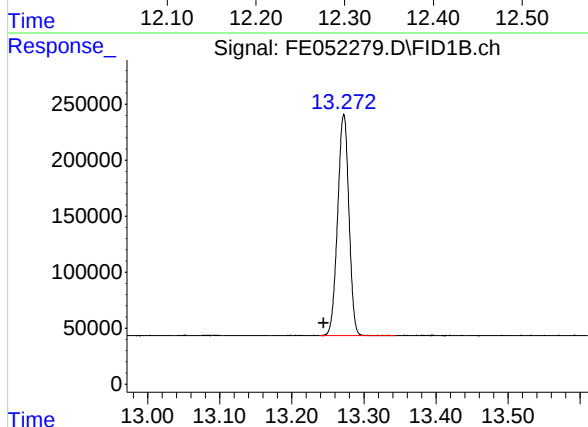
#9 ortho-Terphenyl (SURR)

R.T.: 12.307 min
Delta R.T.: 0.032 min
Response: 2399383
Conc: 19.39 ug/ml

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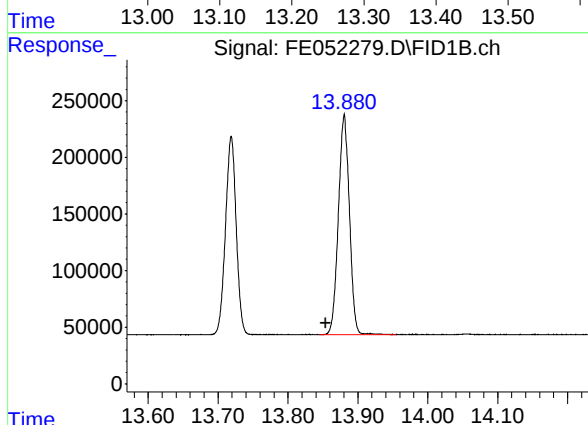
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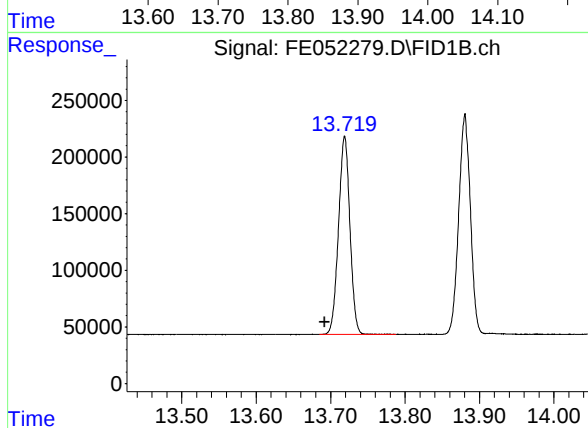
#10 n-Eicosane (C20)

R.T.: 13.272 min
Delta R.T.: 0.028 min
Response: 2149430
Conc: 19.05 ug/ml



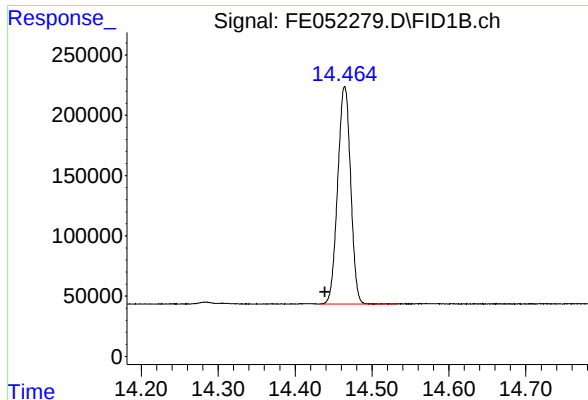
#11 n-Heneicosane (C21)

R.T.: 13.880 min
Delta R.T.: 0.026 min
Response: 2128646
Conc: 18.90 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.719 min
Delta R.T.: 0.027 min
Response: 1860026
Conc: 18.85 ug/ml



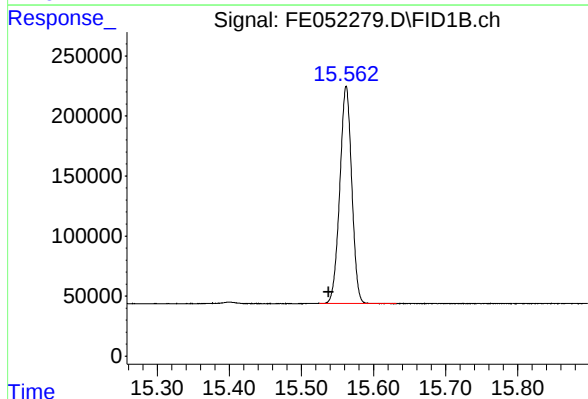
#13 n-Docosane (C22)

R.T.: 14.464 min
Delta R.T.: 0.026 min
Response: 2106244
Conc: 18.61 ug/ml

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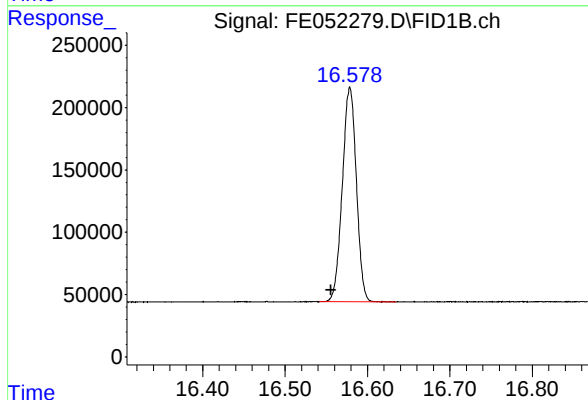
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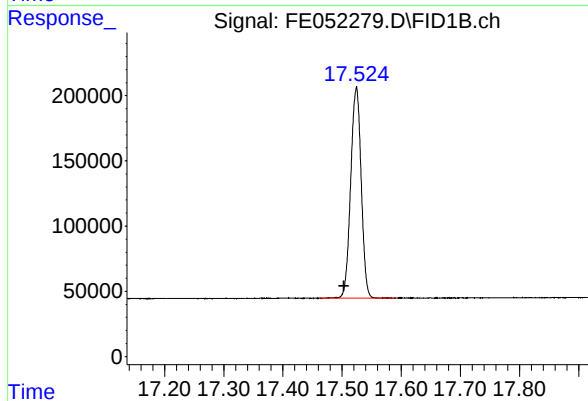
#14 n-Tetracosane (C24)

R.T.: 15.562 min
Delta R.T.: 0.024 min
Response: 2083914
Conc: 18.12 ug/ml



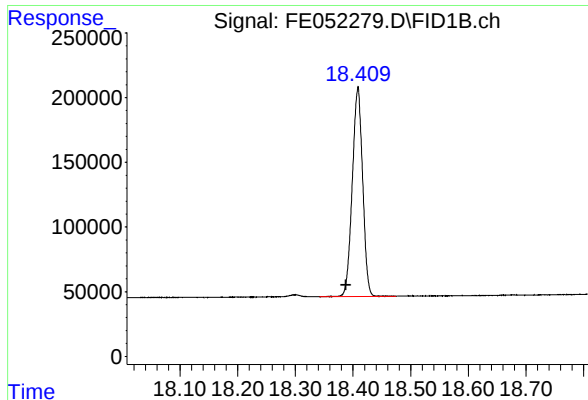
#15 n-Hexacosane (C26)

R.T.: 16.578 min
Delta R.T.: 0.023 min
Response: 2036785
Conc: 17.76 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.524 min
Delta R.T.: 0.021 min
Response: 1996041
Conc: 17.64 ug/ml



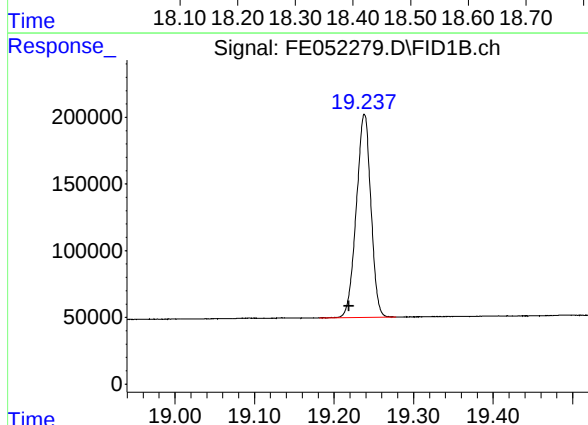
#17 n-Tricontane (C30)

R.T.: 18.408 min
Delta R.T.: 0.020 min
Response: 2021805
Conc: 17.74 ug/ml

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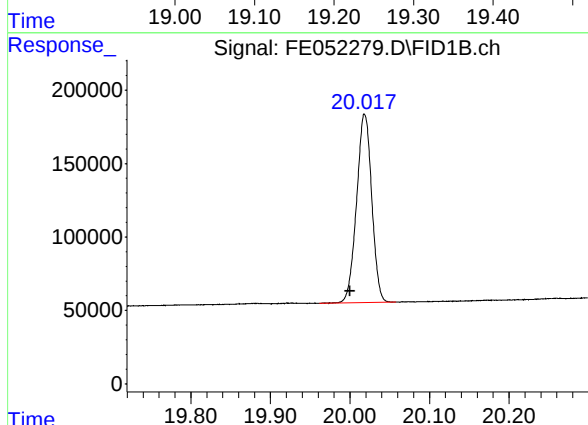
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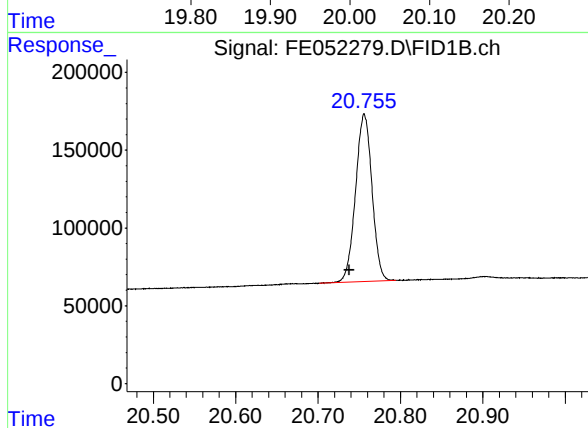
#18 n-Dotriacontane (C32)

R.T.: 19.238 min
Delta R.T.: 0.020 min
Response: 1938270
Conc: 17.78 ug/ml



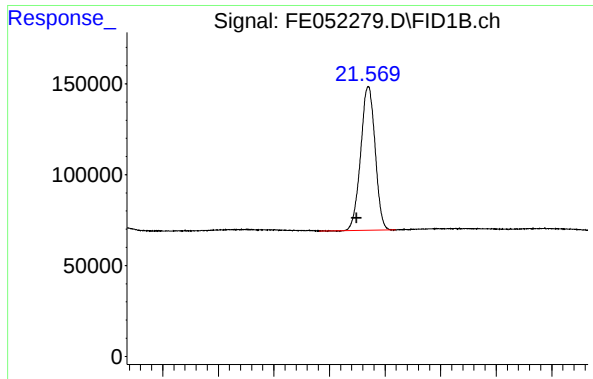
#19 n-Tetratriacontane (C34)

R.T.: 20.019 min
Delta R.T.: 0.018 min
Response: 1699602
Conc: 17.91 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.756 min
Delta R.T.: 0.018 min
Response: 1493785
Conc: 18.08 ug/ml



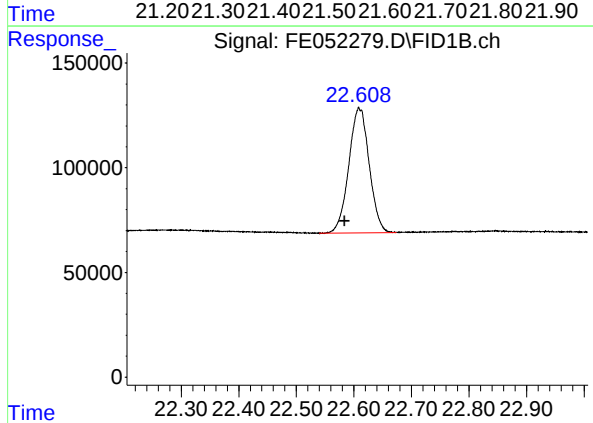
#21 n-Octatriacontane (C38)

R.T.: 21.570 min
Delta R.T.: 0.021 min
Response: 1428838
Conc: 19.23 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.608 min
Delta R.T.: 0.024 min
Response: 1474080
Conc: 19.77 ug/ml m