

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112524AL\
 Data File : FE051451.D
 Signal(s) : FID1B.ch
 Acq On : 26 Nov 2024 00:19
 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 11/26/2024
 Supervised By :Ankita Jodhani 11/26/2024

Integration File: autoint1.e
 Quant Time: Nov 26 02:12:06 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 07 04:56:04 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)	11.837	3013559	20.078 ug/ml
Spiked Amount 50.000		Recovery =	40.16%
12) S 1-chlorooctadecane (S...	13.270	2333461	20.554 ug/ml
Spiked Amount 50.000		Recovery =	41.11%
Target Compounds			
1) T n-Nonane (C9)	3.226	2710355	19.588 ug/ml
2) T n-Decane (C10)	4.474	2775412	19.799 ug/ml
3) T A~Naphthalene (C11.7)	6.189	2547823	19.324 ug/ml
4) T n-Dodecane (C12)	6.642	2799750	19.829 ug/ml
5) T A~2-methylnaphthalene...	7.285	2321792	18.560 ug/ml
6) T n-Tetradecane (C14)	8.469	2752339	19.749 ug/ml
7) T n-Hexadecane (C16)	10.074	2821839	19.885 ug/ml
8) T n-Octadecane (C18)	11.515	2861265	20.036 ug/ml
10) T n-Eicosane (C20)	12.824	2778444	20.302 ug/ml
11) T n-Heneicosane (C21)	13.434	2727830	20.411 ug/ml
13) T n-Docosane (C22)	14.020	2705988	20.353 ug/ml
14) T n-Tetracosane (C24)	15.120	2774312	20.913 ug/ml
15) T n-Hexacosane (C26)	16.140	2765542	20.659 ug/ml
16) T n-Octacosane (C28)	17.089	2840414	20.835 ug/ml
17) T n-Tricontane (C30)	17.976	3072379	21.147 ug/mlm
18) T n-Dotriacontane (C32)	18.807	3050374	20.544 ug/ml
19) T n-Tetratriacontane (C34)	19.590	2652015	19.737 ug/ml
20) T n-Hexatriacontane (C36)	20.329	2232137	18.707 ug/ml
21) T n-Octatriacontane (C38)	21.050	2086645	18.333 ug/ml
22) T n-Tetracontane (C40)	21.928	2313420	20.800 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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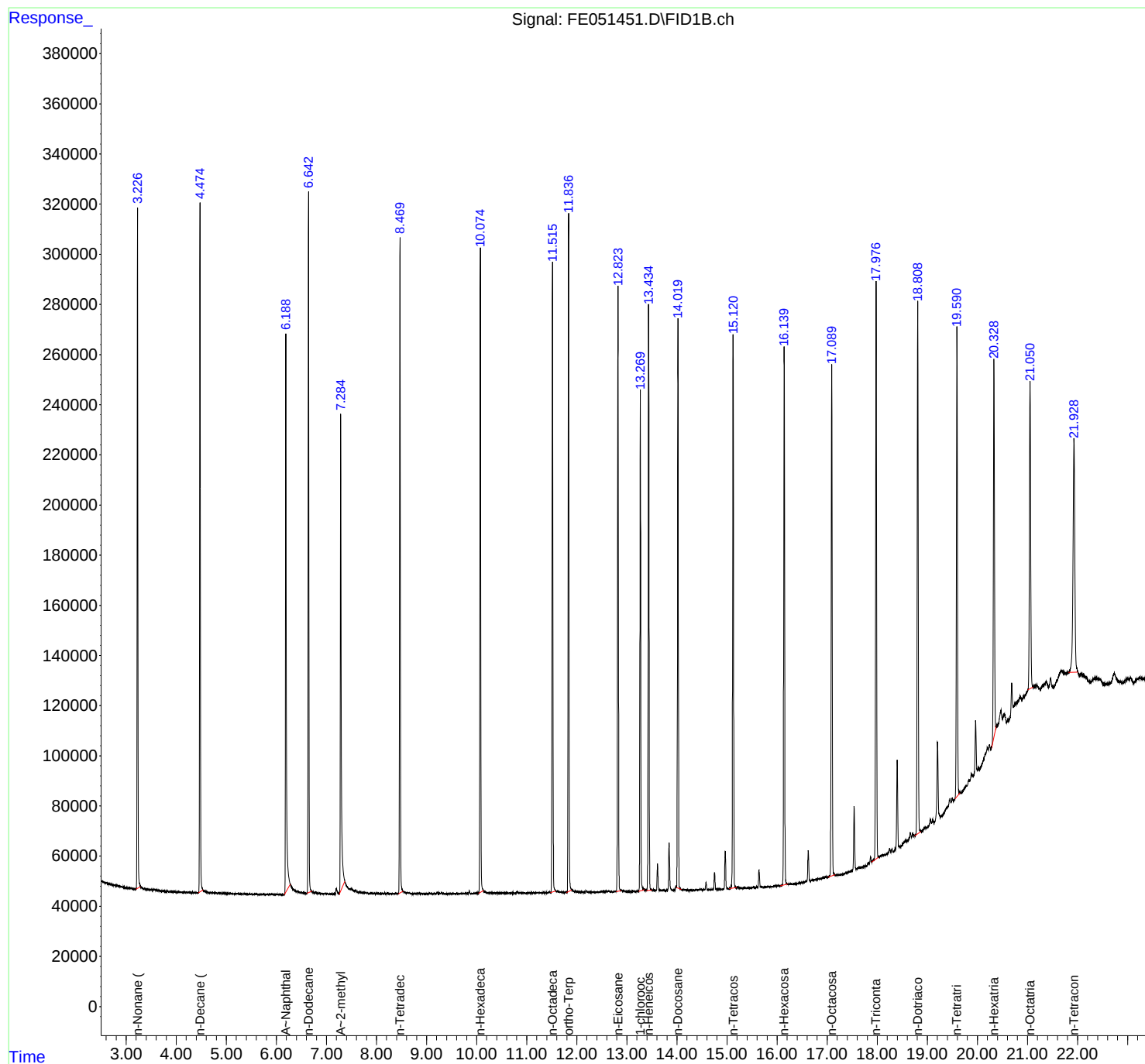
Instrument :
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20 PPM ALIPHATIC HC STD

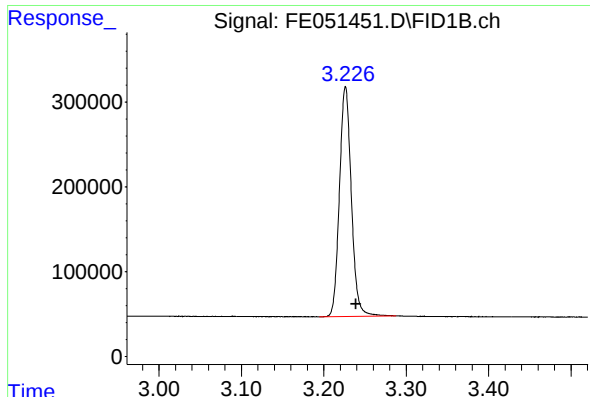
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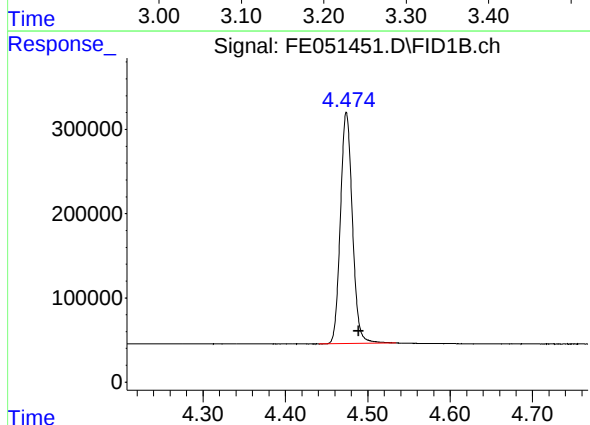
#1 n-Nonane (C9)

R.T.: 3.226 min
Delta R.T.: -0.013 min
Response: 2710355
Conc: 19.59 ug/ml

Instrument :
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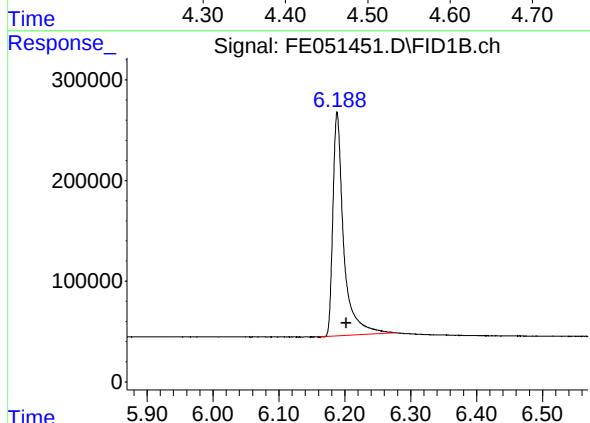
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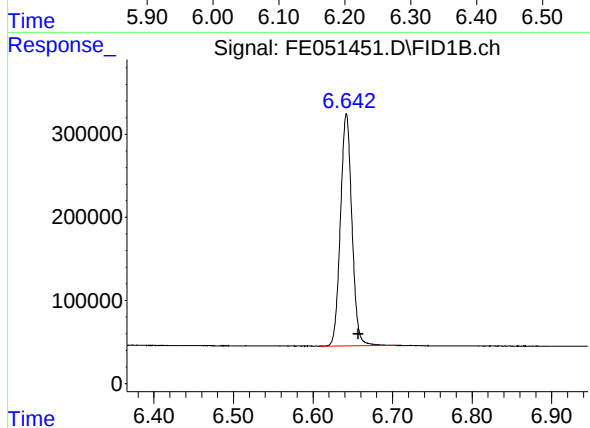
#2 n-Decane (C10)

R.T.: 4.474 min
Delta R.T.: -0.015 min
Response: 2775412
Conc: 19.80 ug/ml



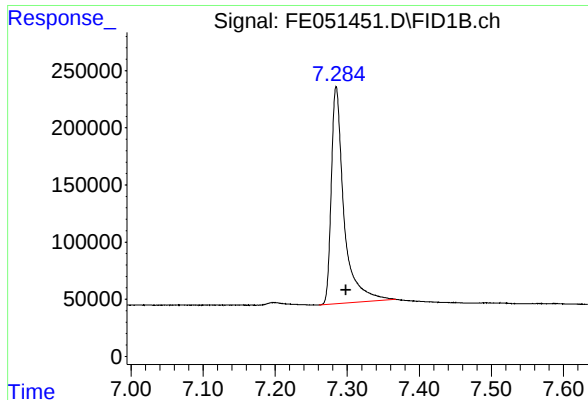
#3 A~Naphthalene (C11.7)

R.T.: 6.189 min
Delta R.T.: -0.013 min
Response: 2547823
Conc: 19.32 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.642 min
Delta R.T.: -0.015 min
Response: 2799750
Conc: 19.83 ug/ml



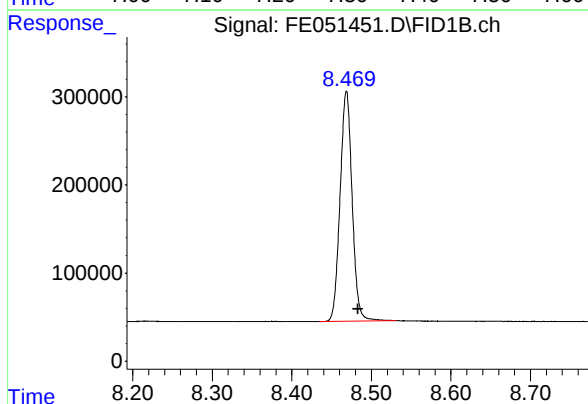
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.285 min
Delta R.T.: -0.013 min
Response: 2321792
Conc: 18.56 ug/ml

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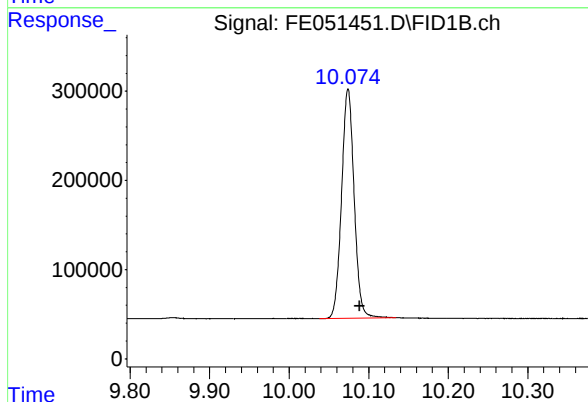
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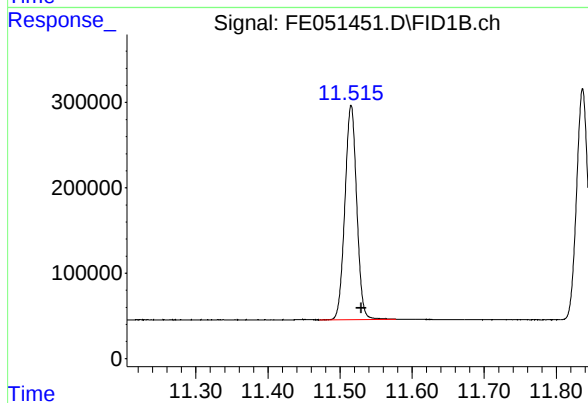
#6 n-Tetradecane (C14)

R.T.: 8.469 min
Delta R.T.: -0.015 min
Response: 2752339
Conc: 19.75 ug/ml



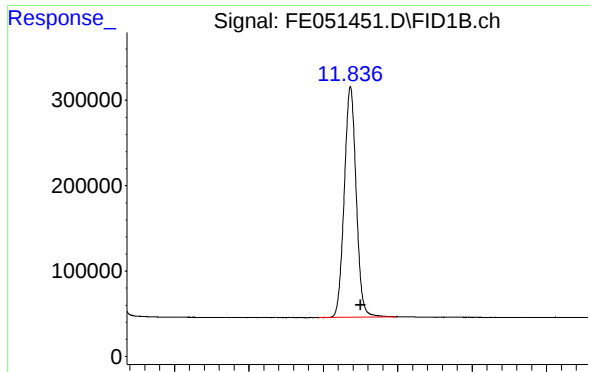
#7 n-Hexadecane (C16)

R.T.: 10.074 min
Delta R.T.: -0.014 min
Response: 2821839
Conc: 19.89 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.515 min
Delta R.T.: -0.014 min
Response: 2861265
Conc: 20.04 ug/ml



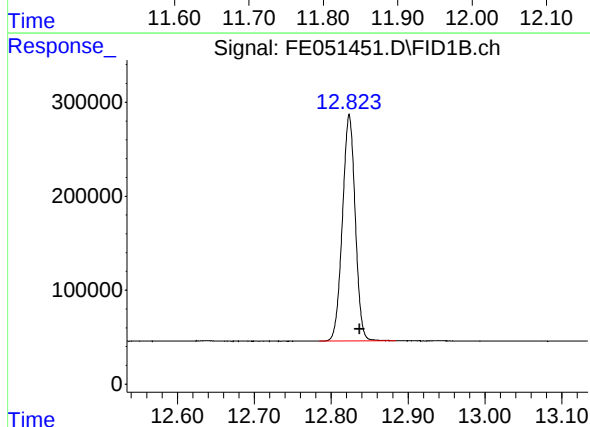
#9 ortho-Terphenyl (SURR)

R.T.: 11.837 min
Delta R.T.: -0.014 min
Response: 3013559
Conc: 20.08 ug/ml

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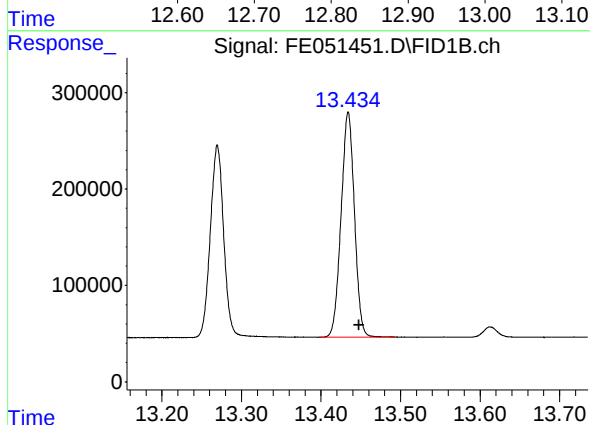
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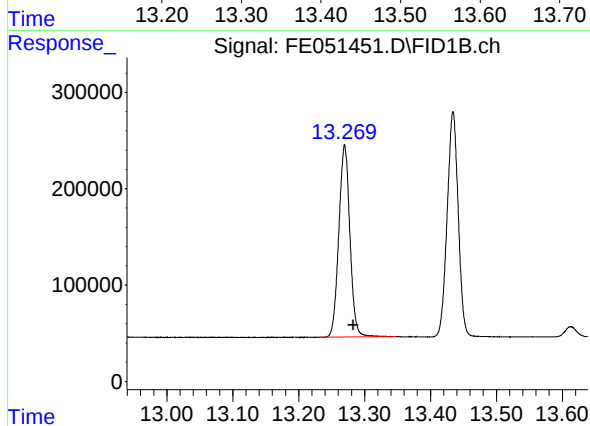
#10 n-Eicosane (C20)

R.T.: 12.824 min
Delta R.T.: -0.013 min
Response: 2778444
Conc: 20.30 ug/ml



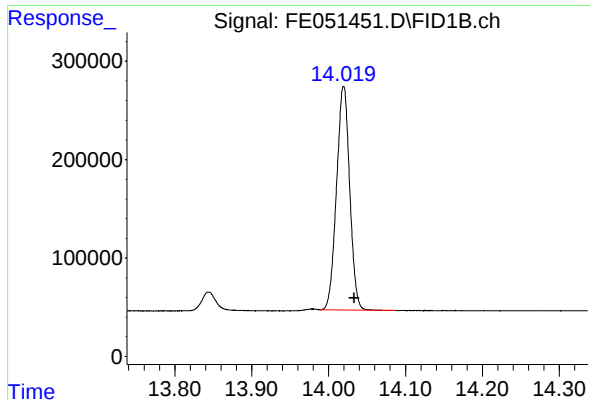
#11 n-Heneicosane (C21)

R.T.: 13.434 min
Delta R.T.: -0.014 min
Response: 2727830
Conc: 20.41 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.270 min
Delta R.T.: -0.013 min
Response: 2333461
Conc: 20.55 ug/ml



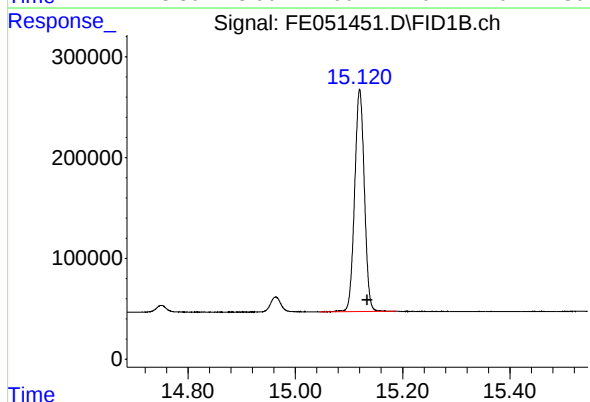
#13 n-Docosane (C22)

R.T.: 14.020 min
Delta R.T.: -0.014 min
Response: 2705988
Conc: 20.35 ug/ml

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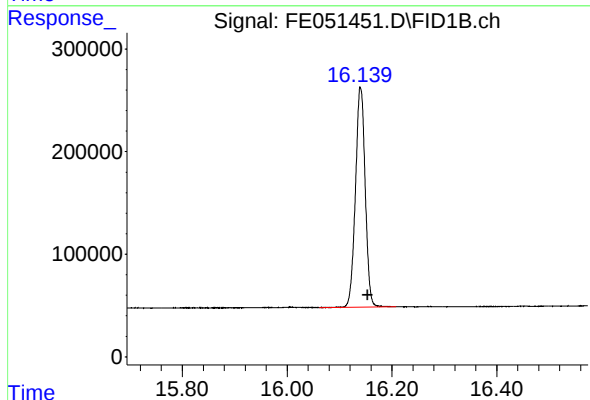
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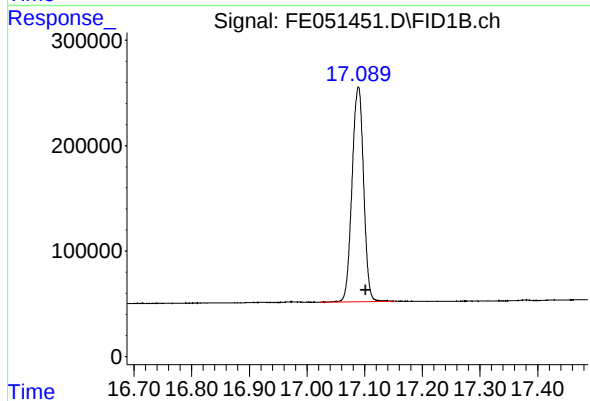
#14 n-Tetracosane (C24)

R.T.: 15.120 min
Delta R.T.: -0.014 min
Response: 2774312
Conc: 20.91 ug/ml



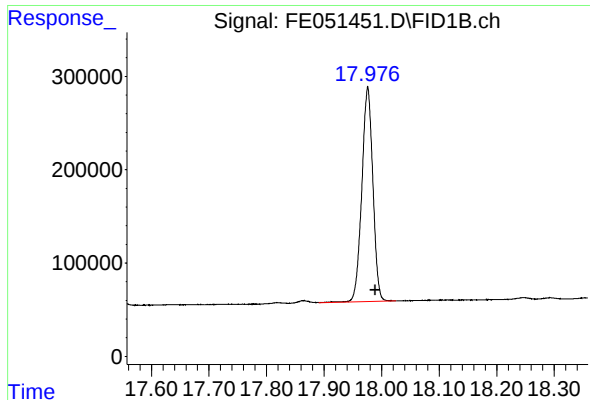
#15 n-Hexacosane (C26)

R.T.: 16.140 min
Delta R.T.: -0.014 min
Response: 2765542
Conc: 20.66 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.089 min
Delta R.T.: -0.013 min
Response: 2840414
Conc: 20.83 ug/ml



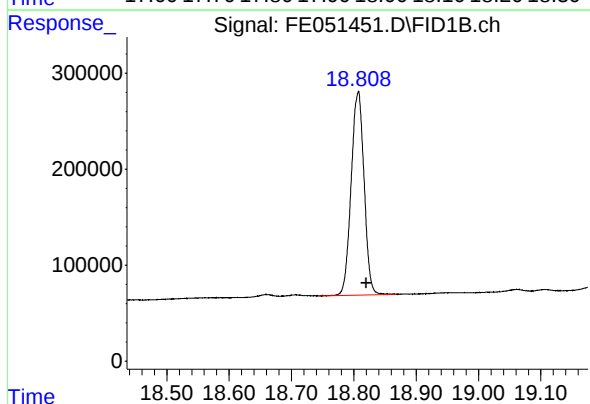
#17 n-Tricontane (C30)

R.T.: 17.976 min
Delta R.T.: -0.014 min
Response: 3072379
Conc: 21.15 ug/ml

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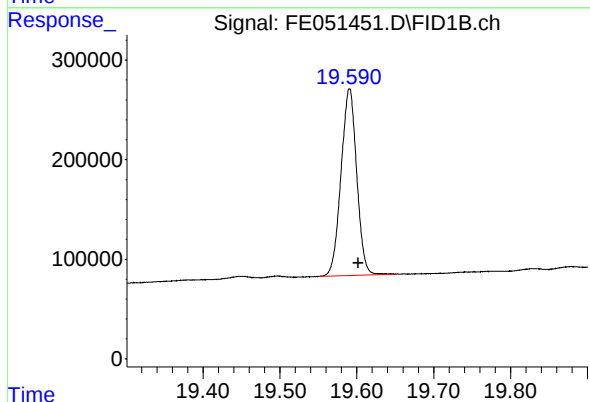
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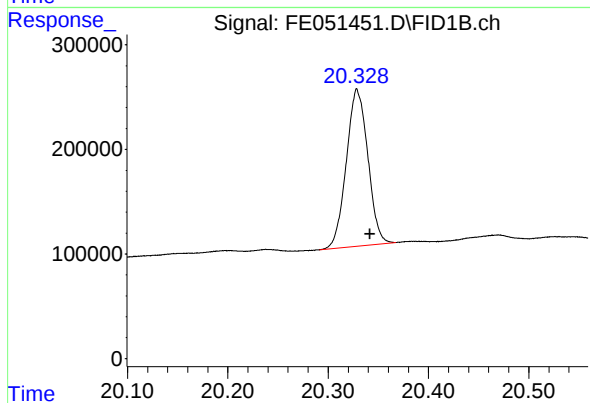
#18 n-Dotriacontane (C32)

R.T.: 18.807 min
Delta R.T.: -0.013 min
Response: 3050374
Conc: 20.54 ug/ml



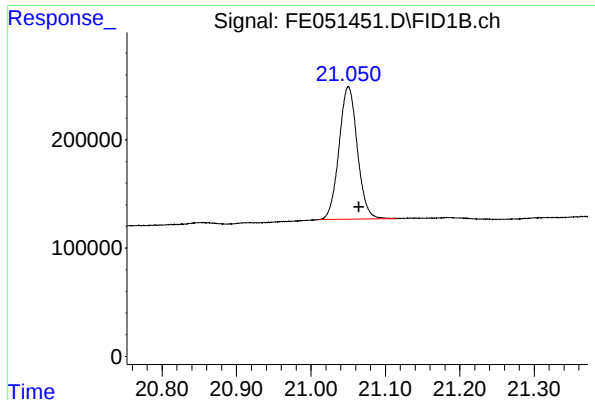
#19 n-Tetatriacontane (C34)

R.T.: 19.590 min
Delta R.T.: -0.012 min
Response: 2652015
Conc: 19.74 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.329 min
Delta R.T.: -0.013 min
Response: 2232137
Conc: 18.71 ug/ml



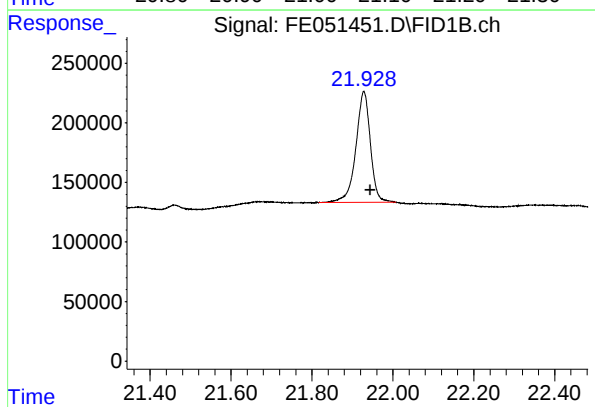
#21 n-Octatriacontane (C38)

R.T.: 21.050 min
Delta R.T.: -0.014 min
Response: 2086645
Conc: 18.33 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.928 min
Delta R.T.: -0.016 min
Response: 2313420
Conc: 20.80 ug/ml