

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE060625AL\
 Data File : FE054238.D
 Signal(s) : FID1B.ch
 Acq On : 07 Jun 2025 01:57
 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 06/09/2025
 Supervised By :mohammad ahmed 06/10/2025

Integration File: autoint1.e
 Quant Time: Jun 07 02:27:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 12:15:41 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)	11.831	3109098	19.131 ug/ml
Spiked Amount 50.000		Recovery =	38.26%
12) S 1-chlorooctadecane (S...	13.276	2350633	19.828 ug/ml
Spiked Amount 50.000		Recovery =	39.66%
Target Compounds			
1) T n-Nonane (C9)	3.180	2171822	16.069 ug/ml
2) T n-Decane (C10)	4.443	2232754	16.523 ug/ml
3) T A~Naphthalene (C11.7)	6.158	2492219	17.341 ug/ml
4) T n-Dodecane (C12)	6.624	2350628	17.233 ug/ml
5) T A~2-methylnaphthalene...	7.260	2519102	18.161 ug/ml
6) T n-Tetradecane (C14)	8.459	2419548	17.929 ug/ml
7) T n-Hexadecane (C16)	10.071	2490988	18.461 ug/ml
8) T n-Octadecane (C18)	11.518	2552237	18.953 ug/ml
10) T n-Eicosane (C20)	12.831	2565313	19.519 ug/ml
11) T n-Heneicosane (C21)	13.444	2543956	19.623 ug/ml
13) T n-Docosane (C22)	14.032	2557466	20.047 ug/ml
14) T n-Tetracosane (C24)	15.138	2578853	20.612 ug/mlm
15) T n-Hexacosane (C26)	16.160	2566577	20.960 ug/ml
16) T n-Octacosane (C28)	17.111	2578373	21.210 ug/ml
17) T n-Tricontane (C30)	18.000	2660299	21.357 ug/ml
18) T n-Dotriacontane (C32)	18.834	2634682	21.068 ug/ml
19) T n-Tetratriacontane (C34)	19.619	2458344	20.637 ug/mlm
20) T n-Hexatriacontane (C36)	20.361	2279363	19.686 ug/ml
21) T n-Octatriacontane (C38)	21.088	2043964	18.782 ug/ml
22) T n-Tetracontane (C40)	21.977	1949396	19.645 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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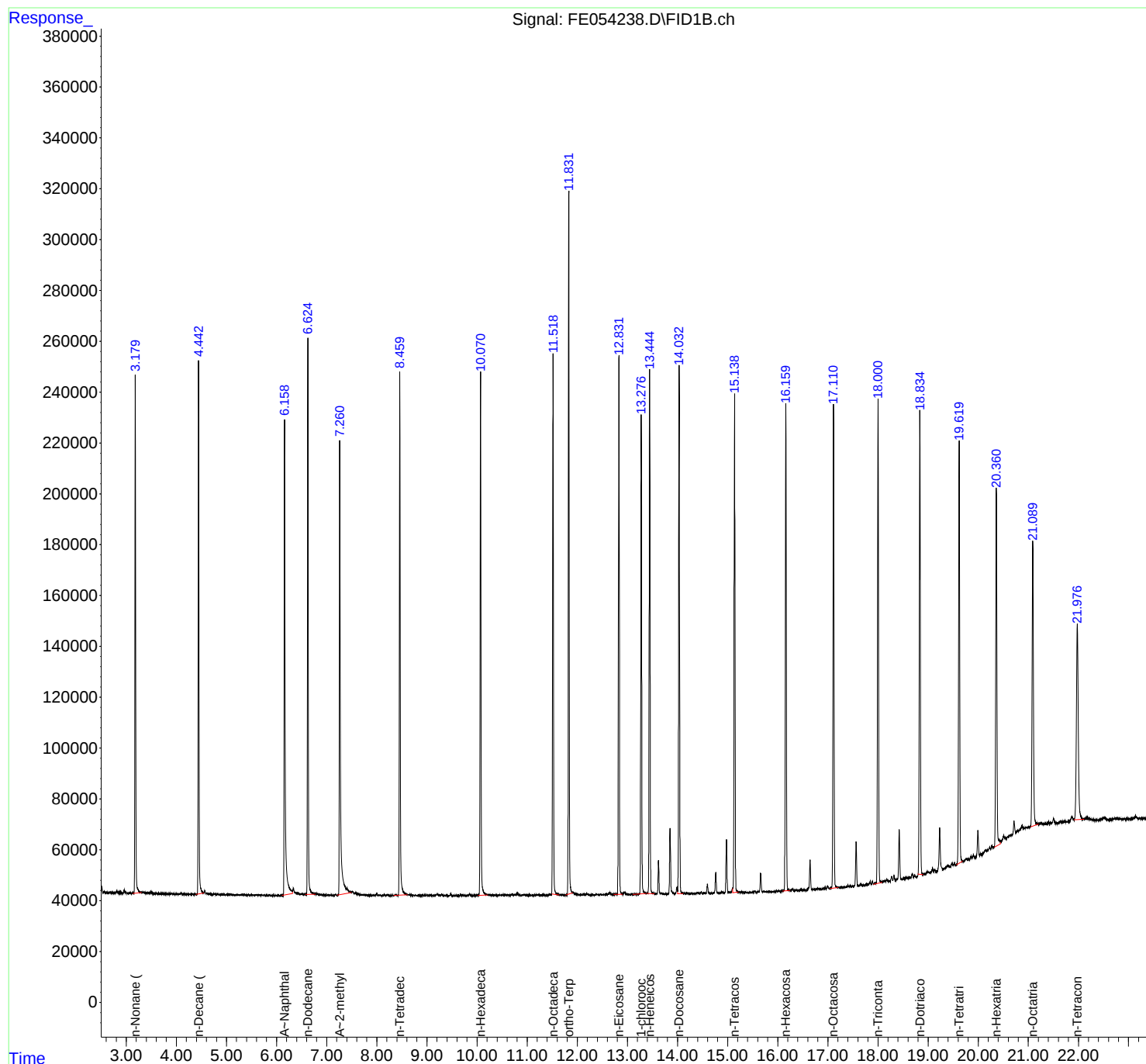
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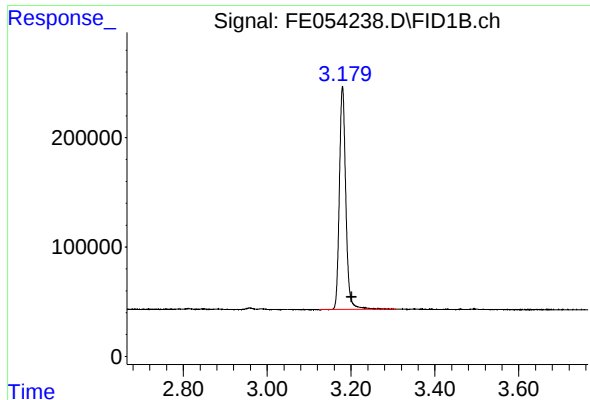
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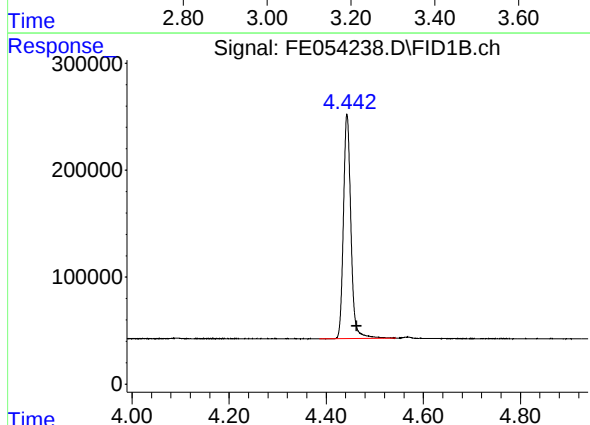
#1 n-Nonane (C9)

R.T.: 3.180 min
Delta R.T.: -0.022 min
Response: 2171822
Conc: 16.07 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

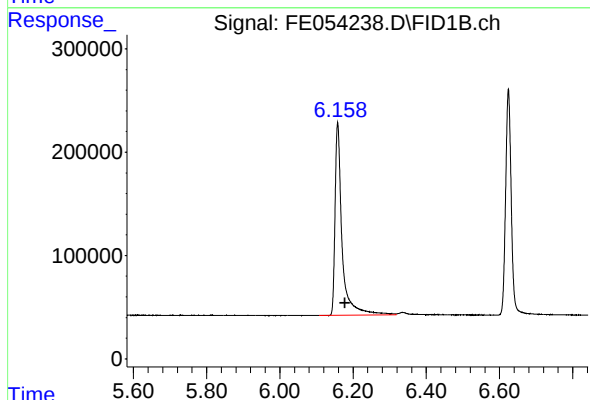
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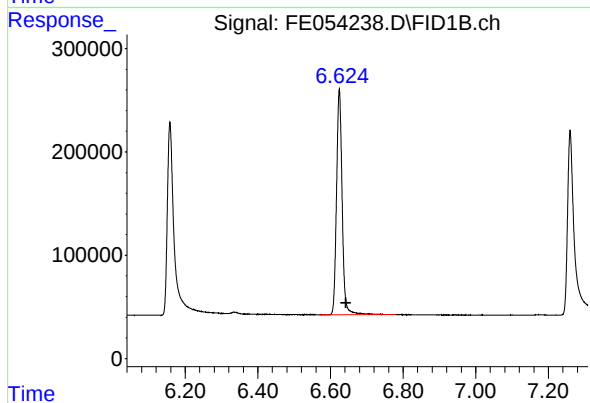
#2 n-Decane (C10)

R.T.: 4.443 min
Delta R.T.: -0.019 min
Response: 2232754
Conc: 16.52 ug/ml



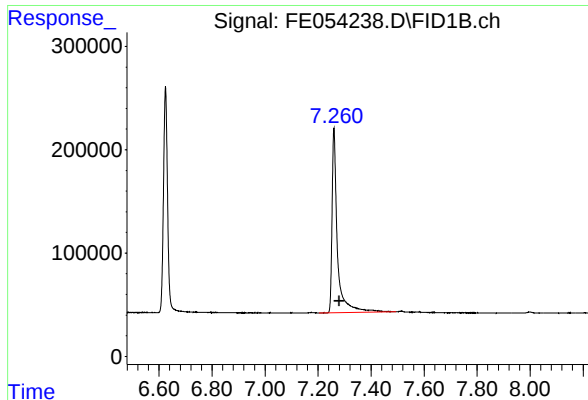
#3 A~Naphthalene (C11.7)

R.T.: 6.158 min
Delta R.T.: -0.020 min
Response: 2492219
Conc: 17.34 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.624 min
Delta R.T.: -0.018 min
Response: 2350628
Conc: 17.23 ug/ml



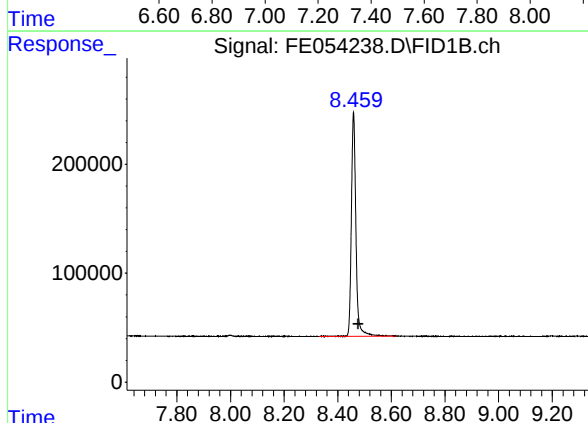
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.260 min
Delta R.T.: -0.020 min
Response: 2519102
Conc: 18.16 ug/ml

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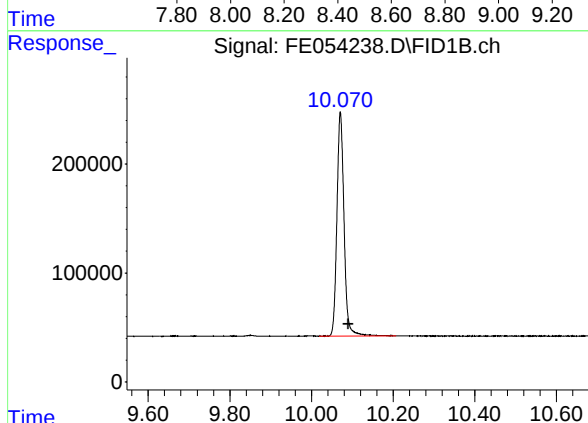
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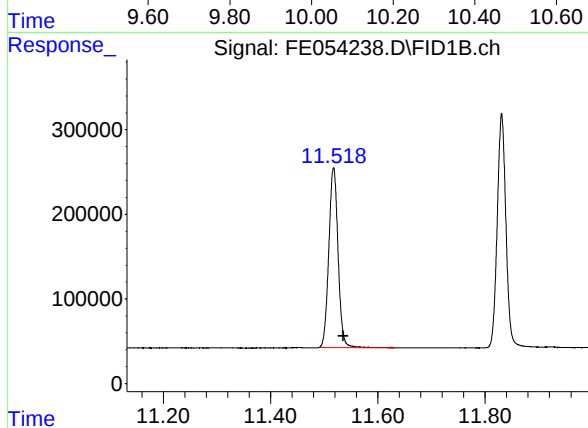
#6 n-Tetradecane (C14)

R.T.: 8.459 min
Delta R.T.: -0.018 min
Response: 2419548
Conc: 17.93 ug/ml



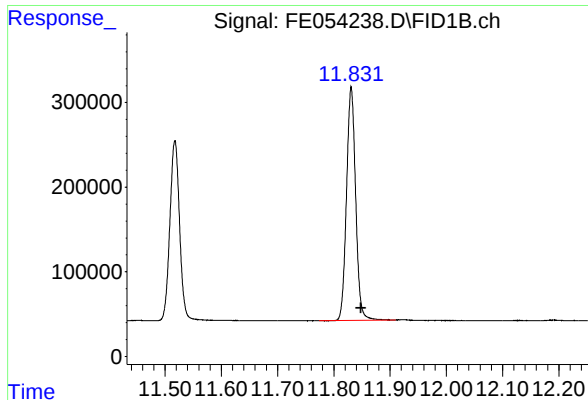
#7 n-Hexadecane (C16)

R.T.: 10.071 min
Delta R.T.: -0.019 min
Response: 2490988
Conc: 18.46 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.518 min
Delta R.T.: -0.018 min
Response: 2552237
Conc: 18.95 ug/ml



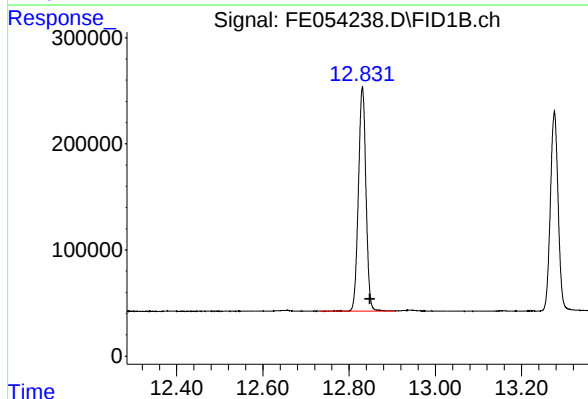
#9 ortho-Terphenyl (SURR)

R.T.: 11.831 min
Delta R.T.: -0.018 min
Response: 3109098
Conc: 19.13 ug/ml

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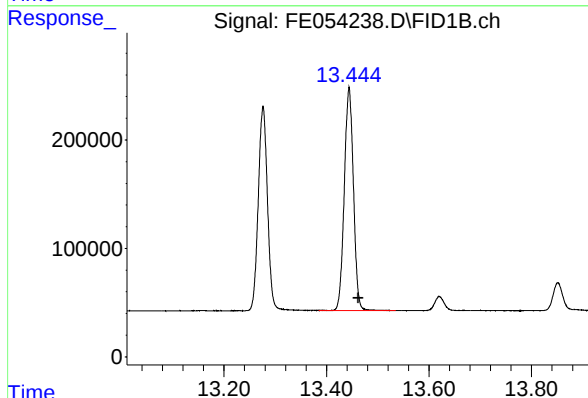
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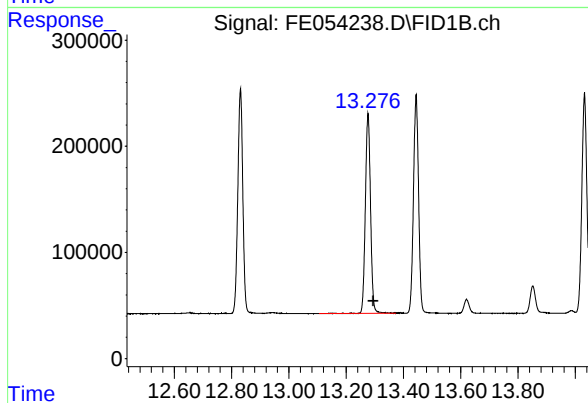
#10 n-Eicosane (C20)

R.T.: 12.831 min
Delta R.T.: -0.018 min
Response: 2565313
Conc: 19.52 ug/ml



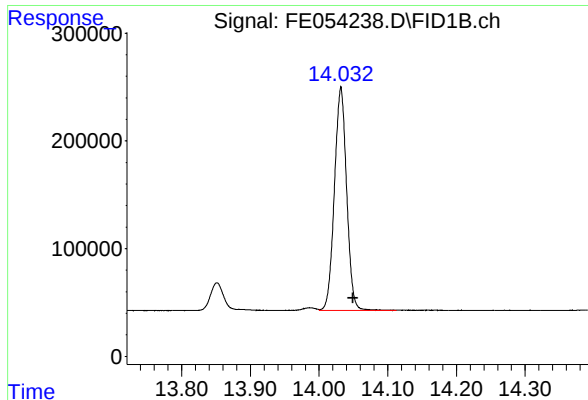
#11 n-Heneicosane (C21)

R.T.: 13.444 min
Delta R.T.: -0.018 min
Response: 2543956
Conc: 19.62 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.276 min
Delta R.T.: -0.018 min
Response: 2350633
Conc: 19.83 ug/ml



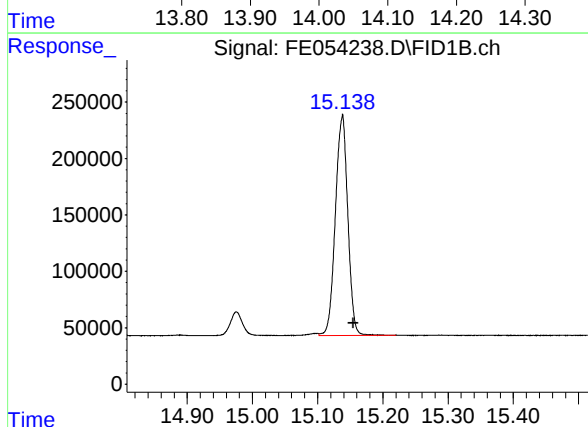
#13 n-Docosane (C22)

R.T.: 14.032 min
Delta R.T.: -0.018 min
Response: 2557466
Conc: 20.05 ug/ml

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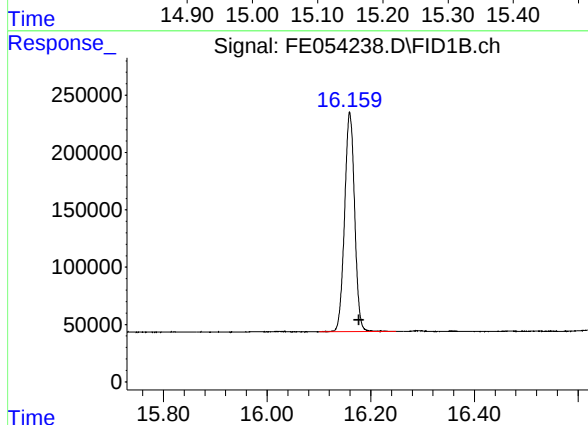
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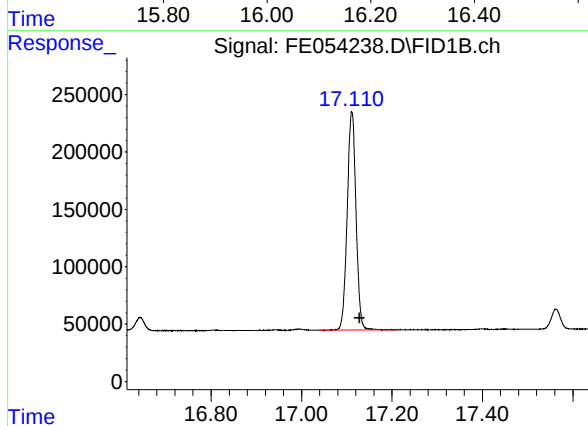
#14 n-Tetracosane (C24)

R.T.: 15.138 min
Delta R.T.: -0.017 min
Response: 2578853
Conc: 20.61 ug/ml m



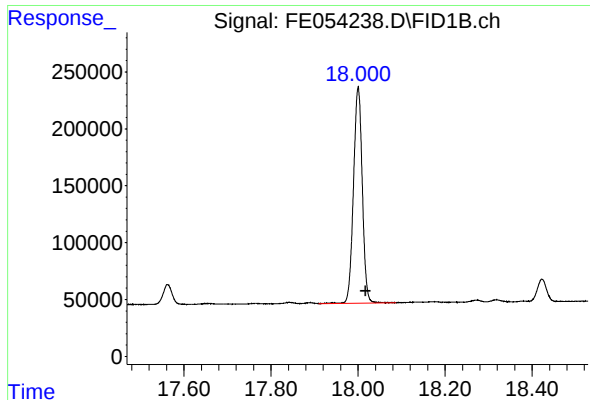
#15 n-Hexacosane (C26)

R.T.: 16.160 min
Delta R.T.: -0.018 min
Response: 2566577
Conc: 20.96 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.111 min
Delta R.T.: -0.017 min
Response: 2578373
Conc: 21.21 ug/ml



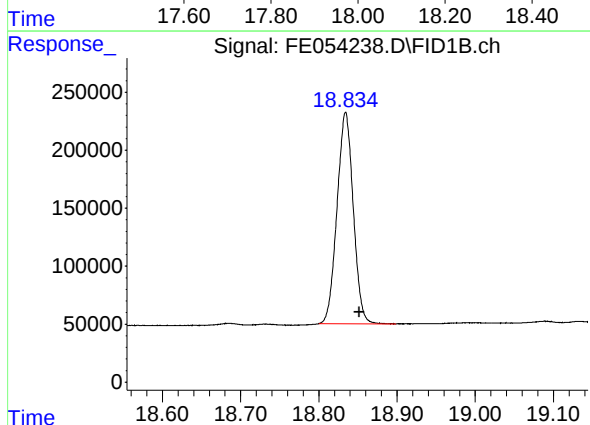
#17 n-Tricontane (C30)

R.T.: 18.000 min
Delta R.T.: -0.018 min
Response: 2660299
Conc: 21.36 ug/ml

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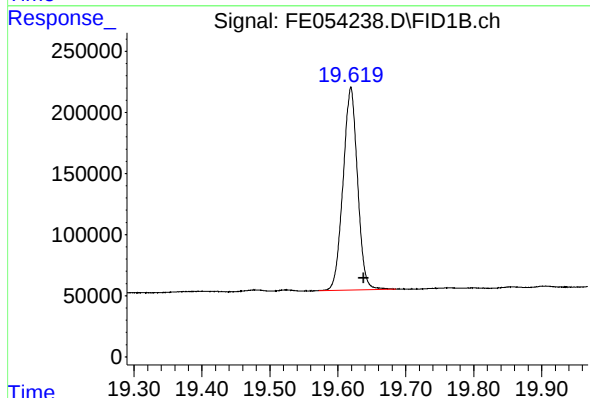
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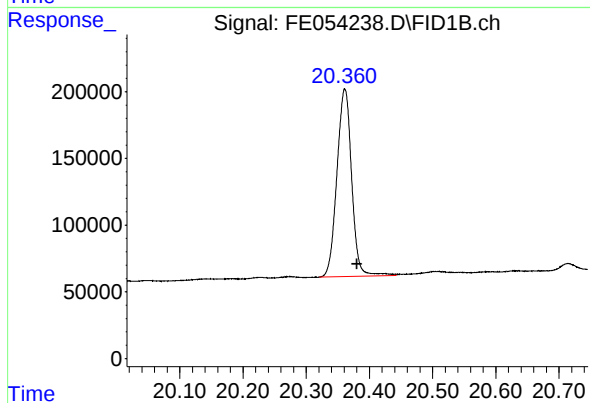
#18 n-Dotriacontane (C32)

R.T.: 18.834 min
Delta R.T.: -0.018 min
Response: 2634682
Conc: 21.07 ug/ml



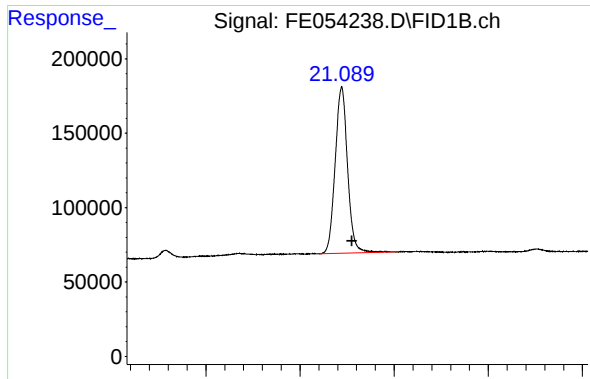
#19 n-Tetatriacontane (C34)

R.T.: 19.619 min
Delta R.T.: -0.019 min
Response: 2458344
Conc: 20.64 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.361 min
Delta R.T.: -0.019 min
Response: 2279363
Conc: 19.69 ug/ml



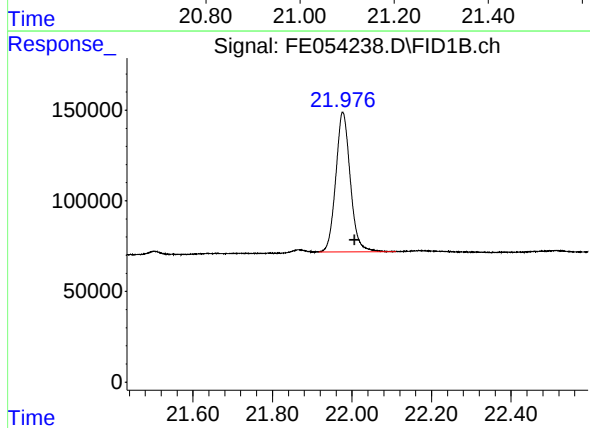
#21 n-Octatriacontane (C38)

R.T.: 21.088 min
Delta R.T.: -0.023 min
Response: 2043964
Conc: 18.78 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.977 min
Delta R.T.: -0.030 min
Response: 1949396
Conc: 19.65 ug/ml