

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100324AL\
 Data File : FE050487.D
 Signal(s) : FID1B.ch
 Acq On : 03 Oct 2024 07:05
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/04/2024
 Supervised By :Ankita Jodhani 10/04/2024

Integration File: autoint1.e
 Quant Time: Oct 04 03:14:56 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 17:11:47 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)	11.863	2617635	17.594 ug/ml
Spiked Amount 50.000		Recovery =	35.19%
12) S 1-chlorooctadecane (S...	13.296	1987975	17.698 ug/ml
Spiked Amount 50.000		Recovery =	35.40%
Target Compounds			
1) T n-Nonane (C9)	3.253	2329314	17.185 ug/ml
2) T n-Decane (C10)	4.503	2428525	17.597 ug/ml
3) T A~Naphthalene (C11.7)	6.213	2456043	17.547 ug/ml
4) T n-Dodecane (C12)	6.670	2443401	17.670 ug/ml
5) T A~2-methylnaphthalene...	7.309	2293618	17.450 ug/ml
6) T n-Tetradecane (C14)	8.497	2413829	17.726 ug/ml
7) T n-Hexadecane (C16)	10.102	2519517	18.139 ug/ml
8) T n-Octadecane (C18)	11.543	2564410	18.304 ug/ml
10) T n-Eicosane (C20)	12.850	2448724	18.254 ug/ml
11) T n-Heneicosane (C21)	13.462	2404749	18.301 ug/ml
13) T n-Docosane (C22)	14.047	2404408	18.465 ug/ml
14) T n-Tetracosane (C24)	15.148	2457178	18.816 ug/ml
15) T n-Hexacosane (C26)	16.167	2444519	19.107 ug/ml
16) T n-Octacosane (C28)	17.116	2594101	20.139 ug/ml
17) T n-Tricontane (C30)	18.002	2893400	21.638 ug/ml
18) T n-Dotriacontane (C32)	18.833	3045996	22.858 ug/ml
19) T n-Tetratriacontane (C34)	19.616	2944644	23.831 ug/ml
20) T n-Hexatriacontane (C36)	20.356	2748757	24.775 ug/ml
21) T n-Octatriacontane (C38)	21.079	2631486	23.862 ug/ml
22) T n-Tetracontane (C40)	21.963	2294631	21.088 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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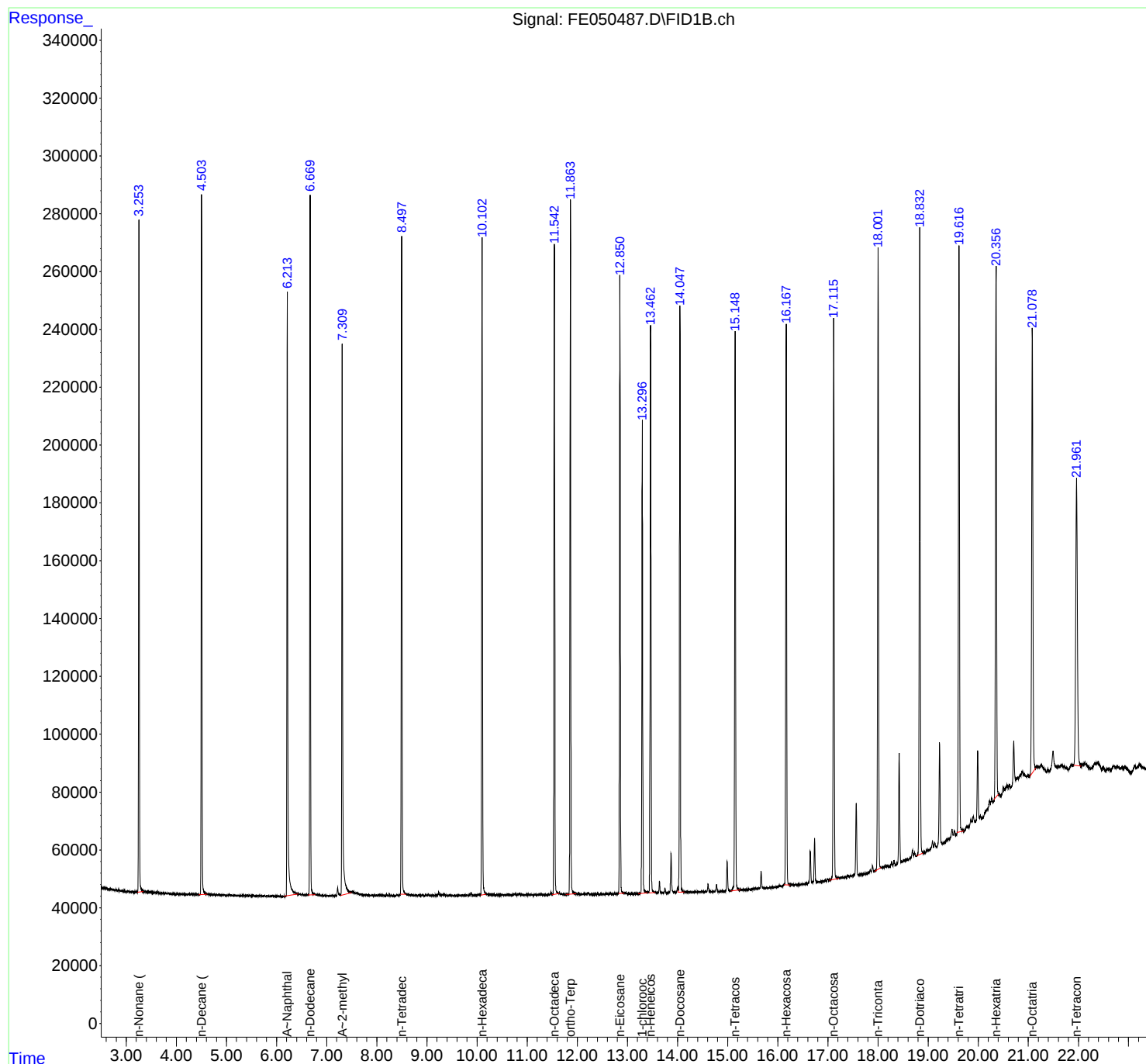
Instrument :
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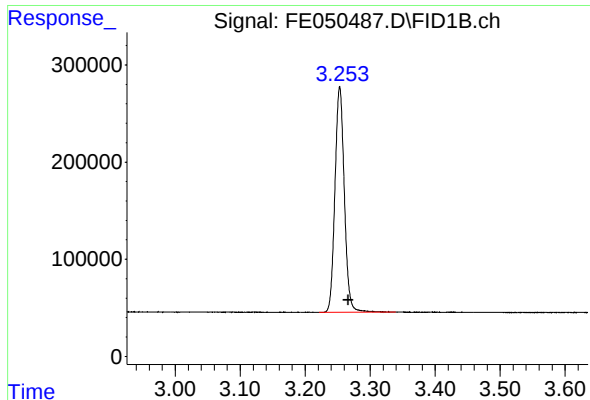
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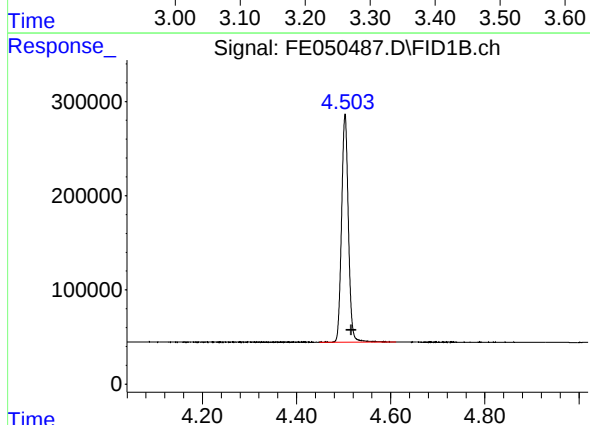
#1 n-Nonane (C9)

R.T.: 3.253 min
Delta R.T.: -0.013 min
Response: 2329314
Conc: 17.18 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

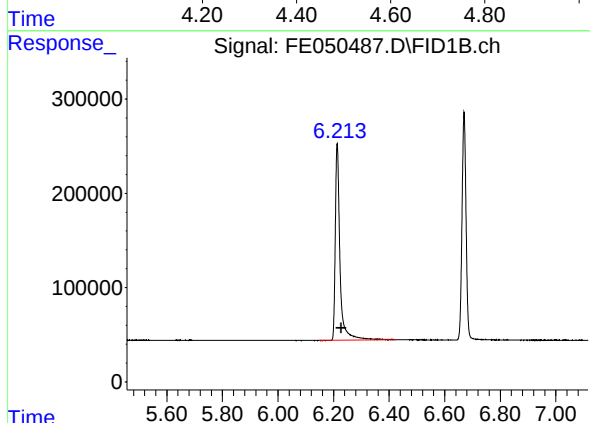
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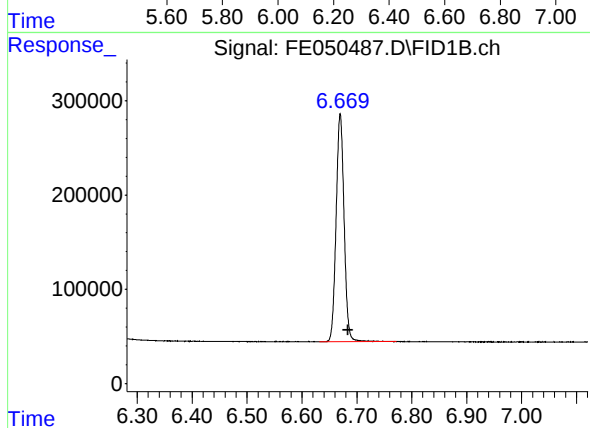
#2 n-Decane (C10)

R.T.: 4.503 min
Delta R.T.: -0.014 min
Response: 2428525
Conc: 17.60 ug/ml



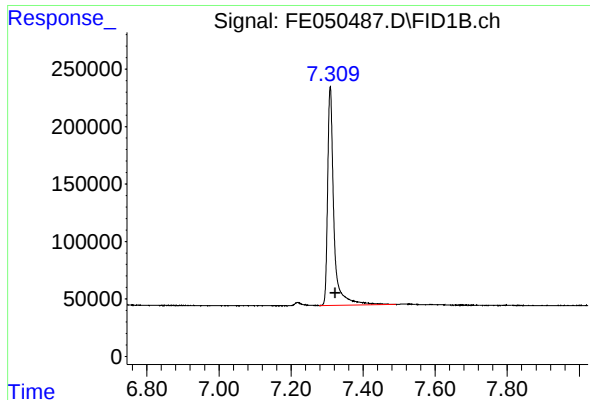
#3 A~Naphthalene (C11.7)

R.T.: 6.213 min
Delta R.T.: -0.014 min
Response: 2456043
Conc: 17.55 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.670 min
Delta R.T.: -0.014 min
Response: 2443401
Conc: 17.67 ug/ml



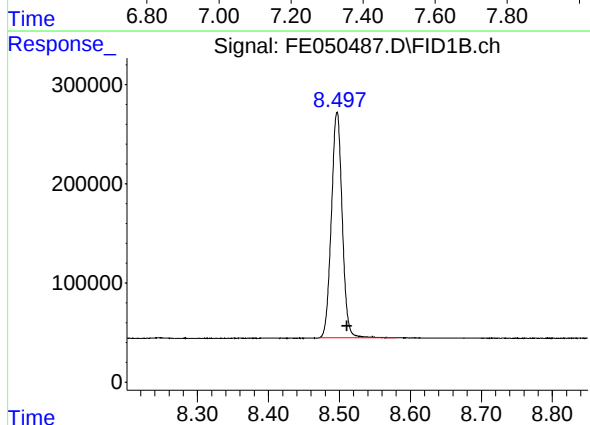
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.309 min
Delta R.T.: -0.014 min
Response: 2293618
Conc: 17.45 ug/ml

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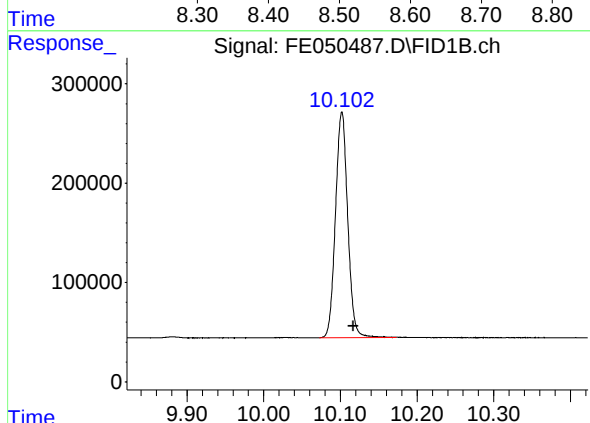
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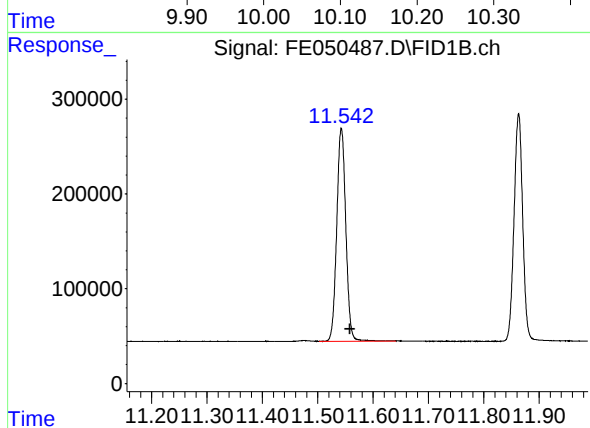
#6 n-Tetradecane (C14)

R.T.: 8.497 min
Delta R.T.: -0.014 min
Response: 2413829
Conc: 17.73 ug/ml



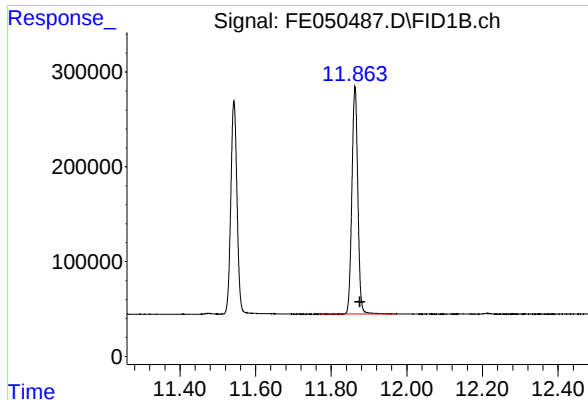
#7 n-Hexadecane (C16)

R.T.: 10.102 min
Delta R.T.: -0.015 min
Response: 2519517
Conc: 18.14 ug/ml m



#8 n-Octadecane (C18)

R.T.: 11.543 min
Delta R.T.: -0.016 min
Response: 2564410
Conc: 18.30 ug/ml



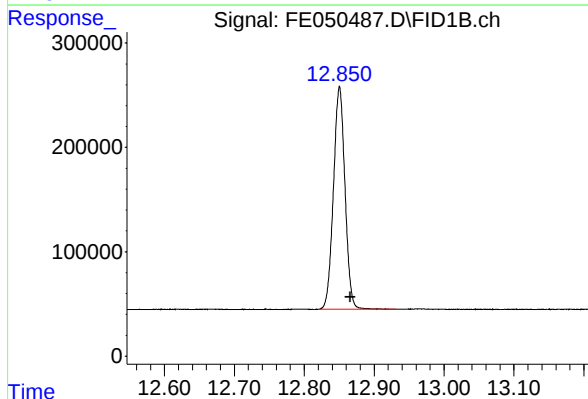
#9 ortho-Terphenyl (SURR)

R.T.: 11.863 min
Delta R.T.: -0.014 min
Response: 2617635
Conc: 17.59 ug/ml

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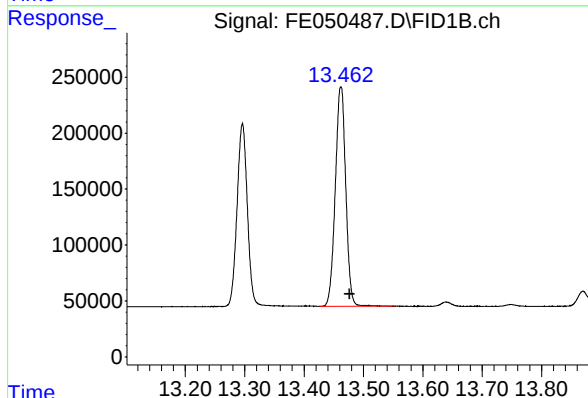
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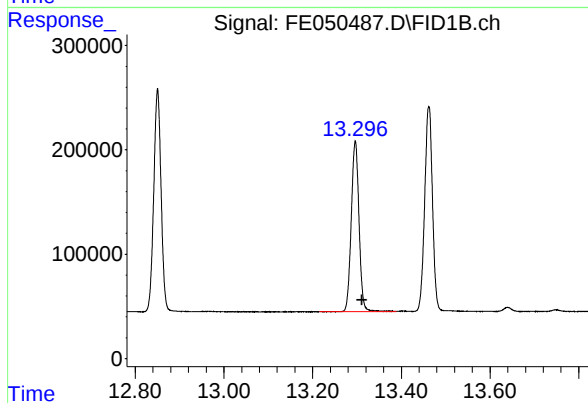
#10 n-Eicosane (C20)

R.T.: 12.850 min
Delta R.T.: -0.015 min
Response: 2448724
Conc: 18.25 ug/ml



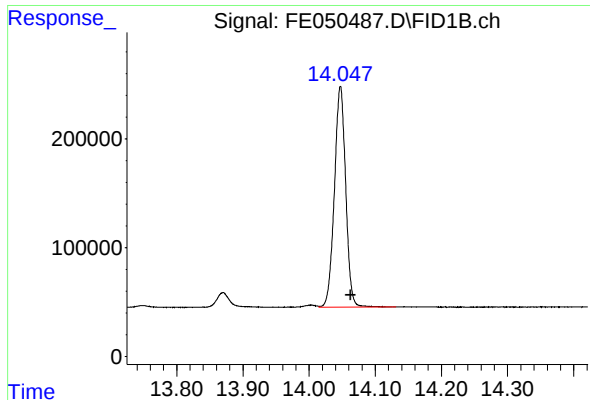
#11 n-Heneicosane (C21)

R.T.: 13.462 min
Delta R.T.: -0.015 min
Response: 2404749
Conc: 18.30 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.296 min
Delta R.T.: -0.015 min
Response: 1987975
Conc: 17.70 ug/ml



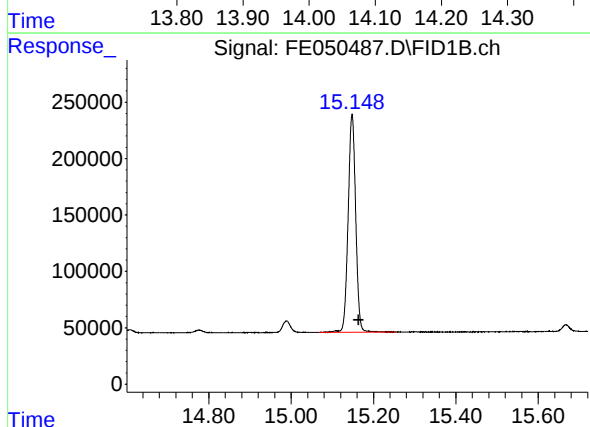
#13 n-Docosane (C22)

R.T.: 14.047 min
Delta R.T.: -0.016 min
Response: 2404408
Conc: 18.46 ug/ml

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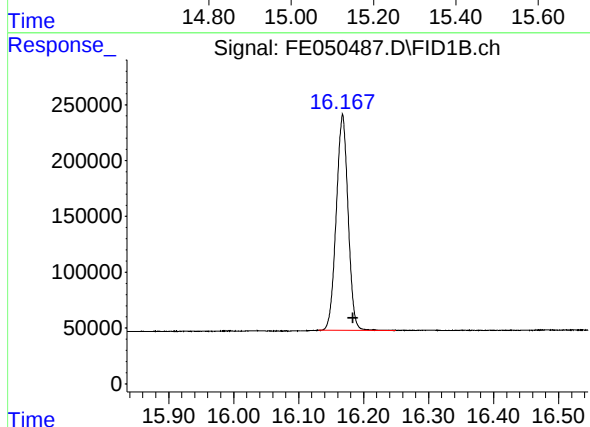
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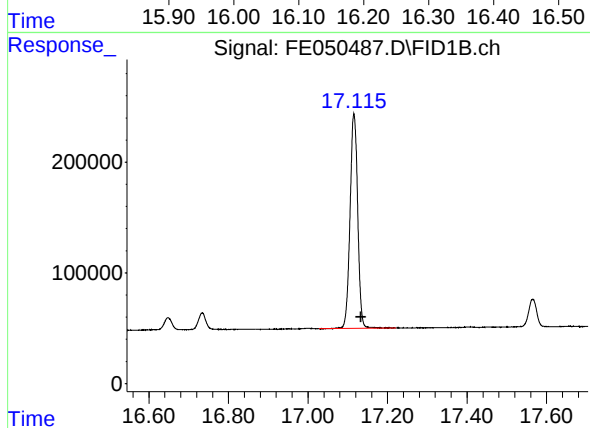
#14 n-Tetracosane (C24)

R.T.: 15.148 min
Delta R.T.: -0.016 min
Response: 2457178
Conc: 18.82 ug/ml



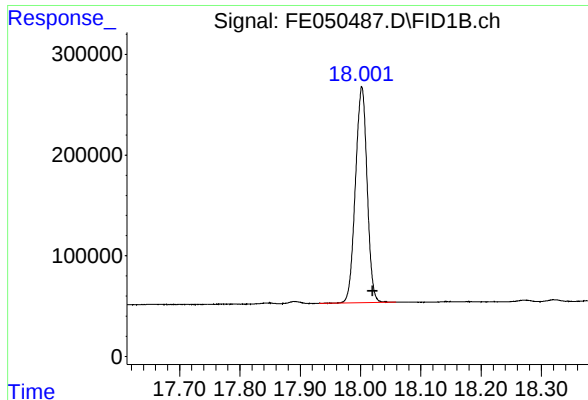
#15 n-Hexacosane (C26)

R.T.: 16.167 min
Delta R.T.: -0.016 min
Response: 2444519
Conc: 19.11 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.116 min
Delta R.T.: -0.017 min
Response: 2594101
Conc: 20.14 ug/ml



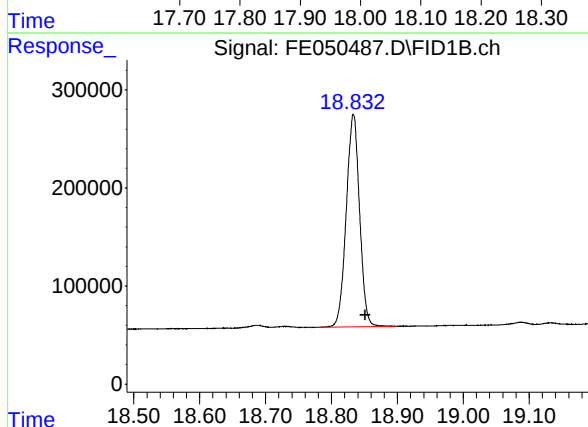
#17 n-Tricontane (C30)

R.T.: 18.002 min
Delta R.T.: -0.018 min
Response: 2893400
Conc: 21.64 ug/ml

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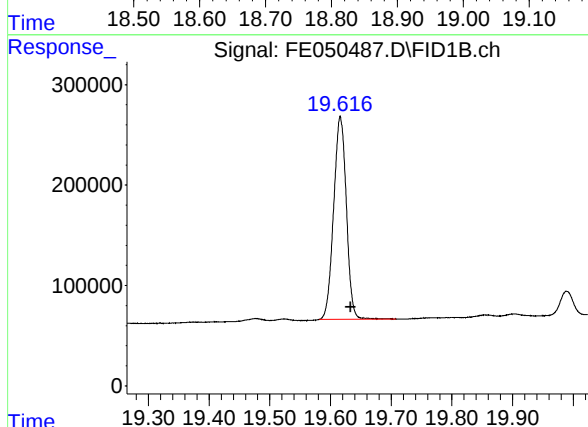
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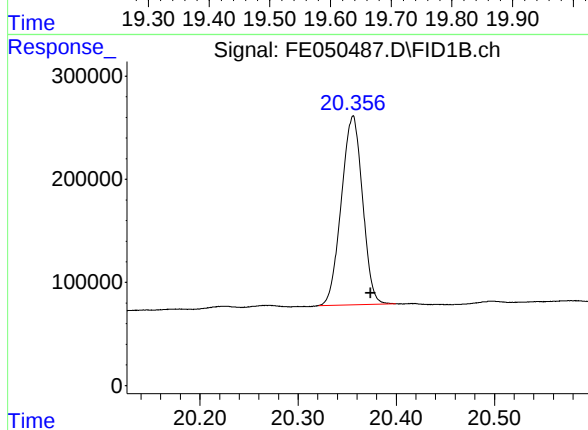
#18 n-Dotriacontane (C32)

R.T.: 18.833 min
Delta R.T.: -0.018 min
Response: 3045996
Conc: 22.86 ug/ml



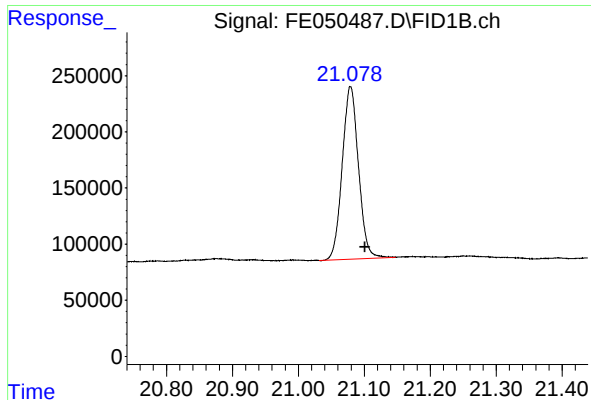
#19 n-Tetratriacontane (C34)

R.T.: 19.616 min
Delta R.T.: -0.017 min
Response: 2944644
Conc: 23.83 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.356 min
Delta R.T.: -0.018 min
Response: 2748757
Conc: 24.77 ug/ml



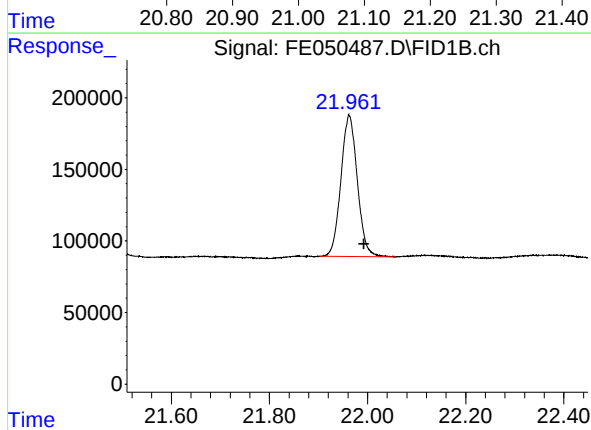
#21 n-Octatriacontane (C38)

R.T.: 21.079 min
Delta R.T.: -0.022 min
Response: 2631486
Conc: 23.86 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.963 min
Delta R.T.: -0.030 min
Response: 2294631
Conc: 21.09 ug/ml