

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF083123AL\
 Data File : FF013475.D
 Signal(s) : FID2B.ch
 Acq On : 31 Aug 2023 14:49
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/01/2023
 Supervised By :mohammad ahmed 09/01/2023

Integration File: autoint1.e
 Quant Time: Sep 01 00:20:47 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 081023.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 10 16:05:52 2023
 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)	11.888	2814458	20.485 ug/ml
Spiked Amount 50.000		Recovery =	40.97%
12) S 1-chlorooctadecane (S...	13.327	2132960	20.354 ug/ml
Spiked Amount 50.000		Recovery =	40.71%
Target Compounds			
1) T n-Nonane (C9)	3.280	2299099	21.517 ug/ml
2) T n-Decane (C10)	4.532	2312947	21.583 ug/ml
3) T A~Naphthalene (C11.7)	6.231	2535762	21.419 ug/ml
4) T n-Dodecane (C12)	6.696	2327154	21.506 ug/ml
5) T A~2-methylnaphthalene...	7.326	2485974	20.973 ug/ml
6) T n-Tetradecane (C14)	8.522	2313661	21.434 ug/ml
7) T n-Hexadecane (C16)	10.129	2366716	21.833 ug/ml
8) T n-Octadecane (C18)	11.573	2389063	21.818 ug/ml
10) T n-Eicosane (C20)	12.882	2339872	21.324 ug/ml
11) T n-Heneicosane (C21)	13.494	2315624	21.077 ug/ml
13) T n-Docosane (C22)	14.081	2302062	20.968 ug/ml
14) T n-Tetracosane (C24)	15.184	2288095	20.826 ug/ml
15) T n-Hexacosane (C26)	16.206	2257974	20.660 ug/ml
16) T n-Octacosane (C28)	17.155	2224952	20.607 ug/ml
17) T n-Tricontane (C30)	18.042	2264402	20.706 ug/ml
18) T n-Dotriacontane (C32)	18.874	2257440	19.985 ug/ml
19) T n-Tetratriacontane (C34)	19.657	2164360	20.376 ug/ml
20) T n-Hexatriacontane (C36)	20.397	2165163	20.542 ug/ml
21) T n-Octatriacontane (C38)	21.127	2162659	21.413 ug/ml
22) T n-Tetracontane (C40)	22.023	2295814	23.099 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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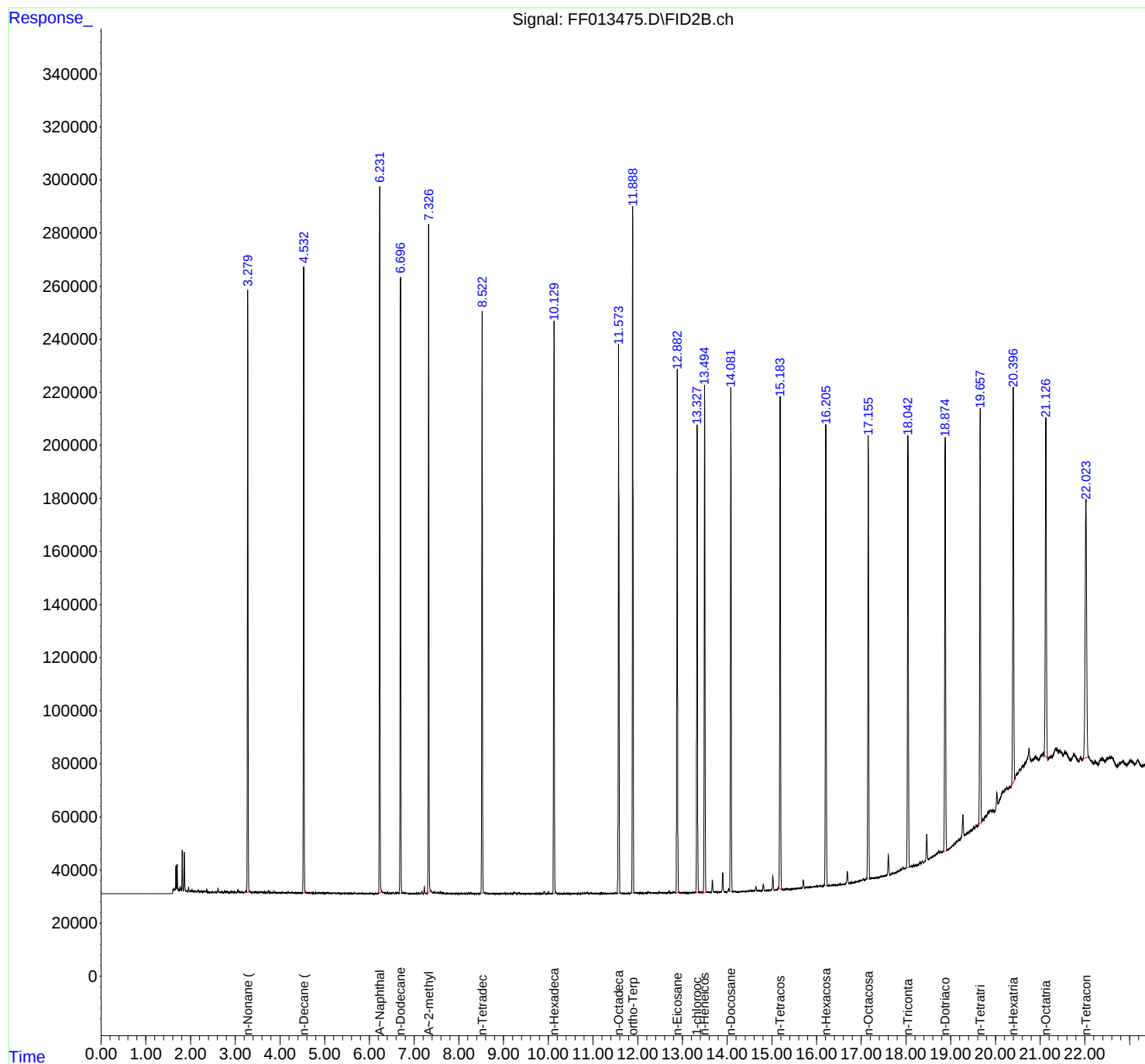
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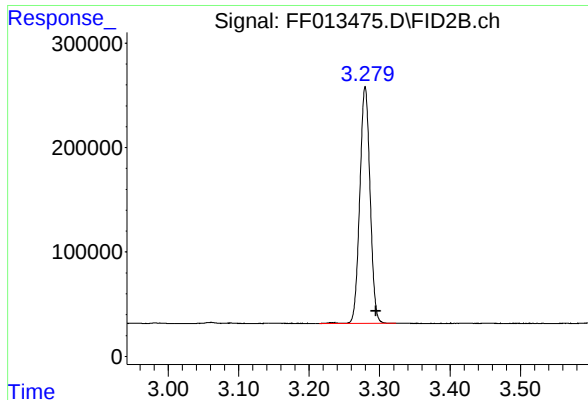
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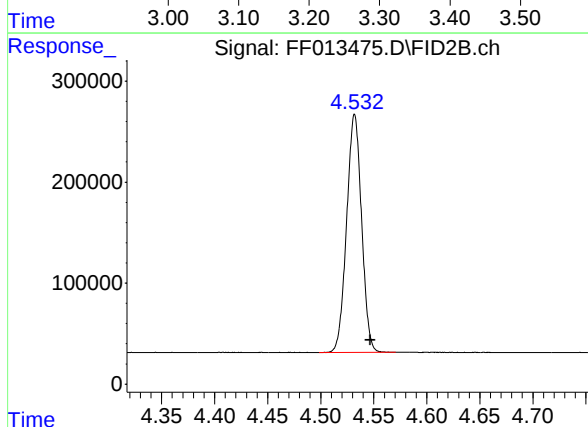
#1 n-Nonane (C9)

R.T.: 3.280 min
Delta R.T.: -0.015 min
Response: 2299099
Conc: 21.52 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

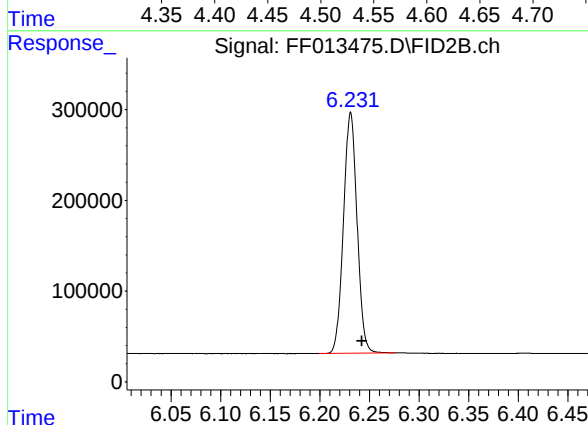
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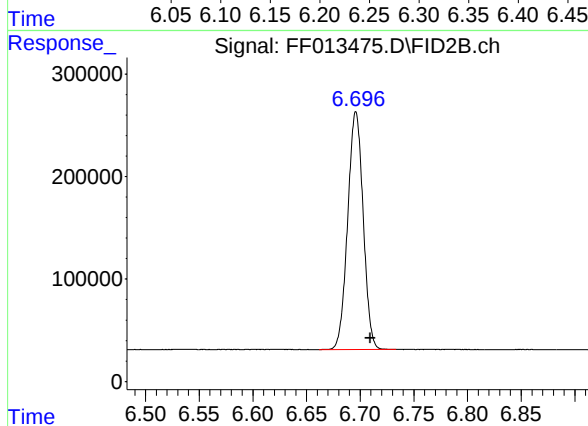
#2 n-Decane (C10)

R.T.: 4.532 min
Delta R.T.: -0.015 min
Response: 2312947
Conc: 21.58 ug/ml



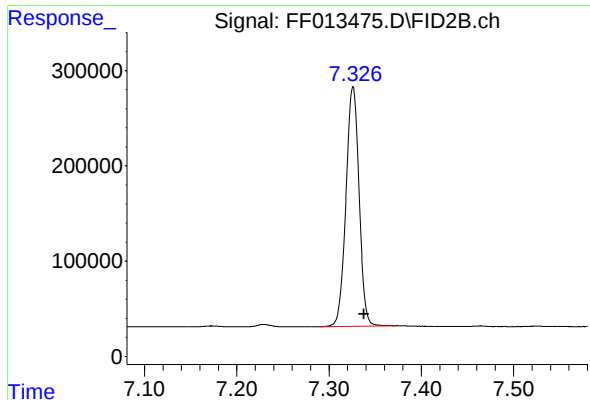
#3 A~Naphthalene (C11.7)

R.T.: 6.231 min
Delta R.T.: -0.011 min
Response: 2535762
Conc: 21.42 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.696 min
Delta R.T.: -0.013 min
Response: 2327154
Conc: 21.51 ug/ml



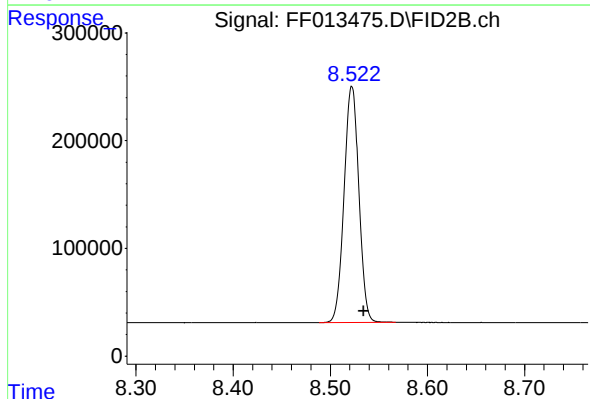
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.326 min
Delta R.T.: -0.012 min
Response: 2485974
Conc: 20.97 ug/ml

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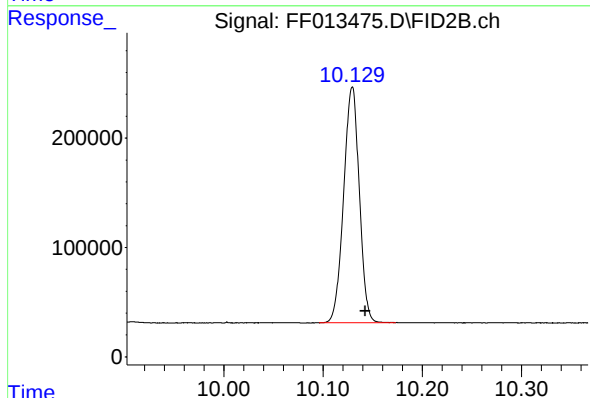
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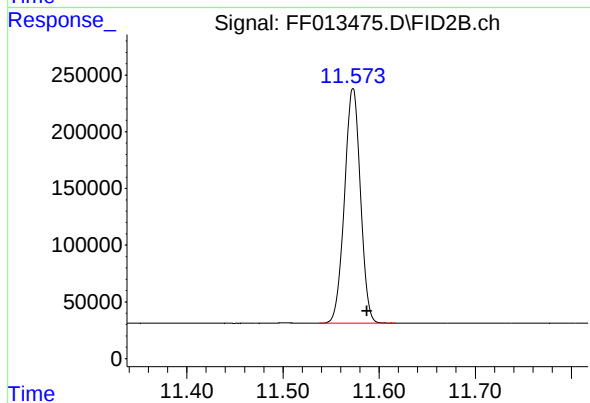
#6 n-Tetradecane (C14)

R.T.: 8.522 min
Delta R.T.: -0.012 min
Response: 2313661
Conc: 21.43 ug/ml



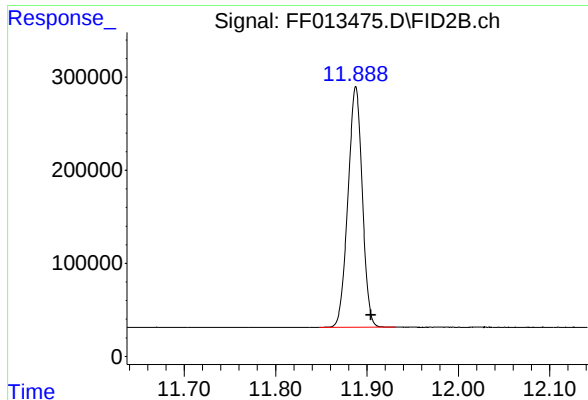
#7 n-Hexadecane (C16)

R.T.: 10.129 min
Delta R.T.: -0.013 min
Response: 2366716
Conc: 21.83 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.573 min
Delta R.T.: -0.015 min
Response: 2389063
Conc: 21.82 ug/ml



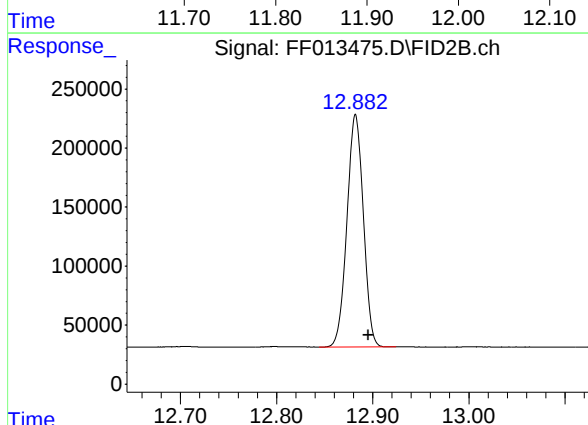
#9 ortho-Terphenyl (SURR)

R.T.: 11.888 min
Delta R.T.: -0.016 min
Response: 2814458
Conc: 20.48 ug/ml

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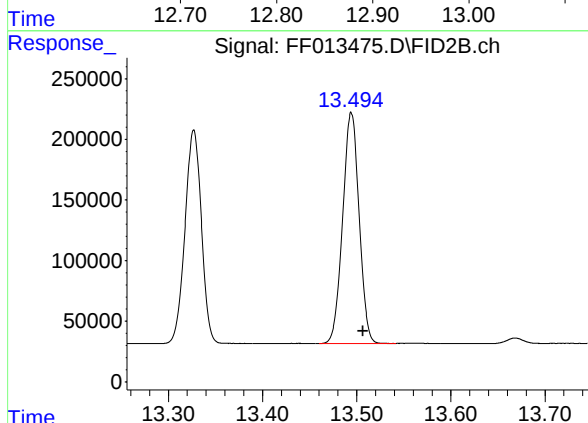
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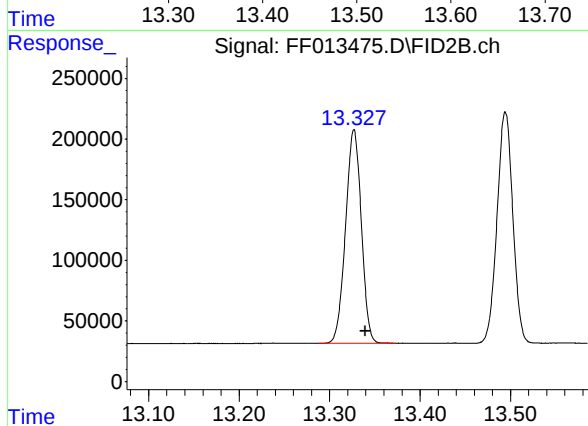
#10 n-Eicosane (C20)

R.T.: 12.882 min
Delta R.T.: -0.013 min
Response: 2339872
Conc: 21.32 ug/ml



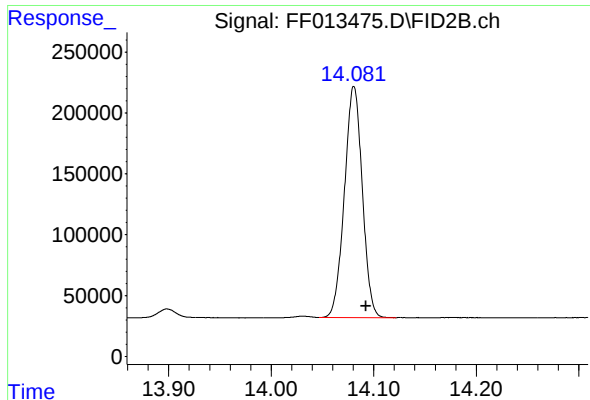
#11 n-Heneicosane (C21)

R.T.: 13.494 min
Delta R.T.: -0.012 min
Response: 2315624
Conc: 21.08 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.327 min
Delta R.T.: -0.012 min
Response: 2132960
Conc: 20.35 ug/ml



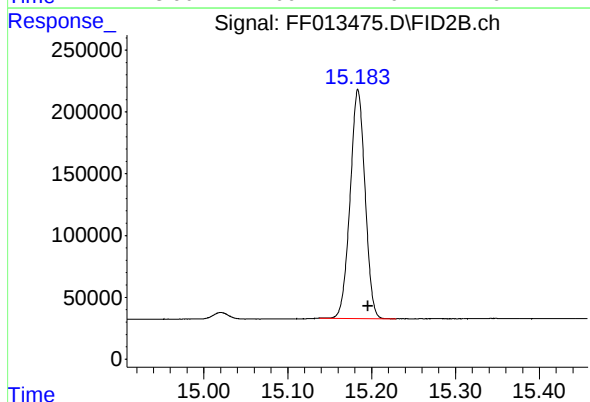
#13 n-Docosane (C22)

R.T.: 14.081 min
Delta R.T.: -0.012 min
Response: 2302062
Conc: 20.97 ug/ml

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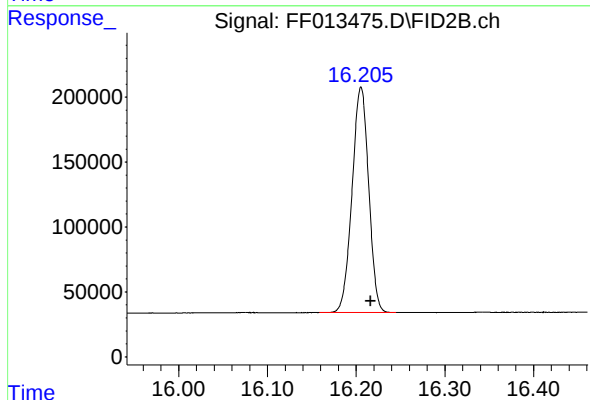
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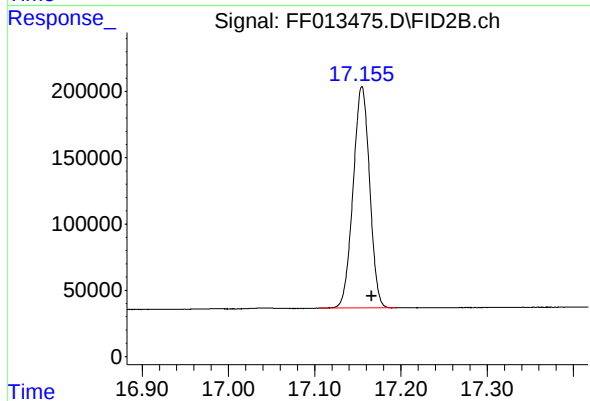
#14 n-Tetracosane (C24)

R.T.: 15.184 min
Delta R.T.: -0.012 min
Response: 2288095
Conc: 20.83 ug/ml



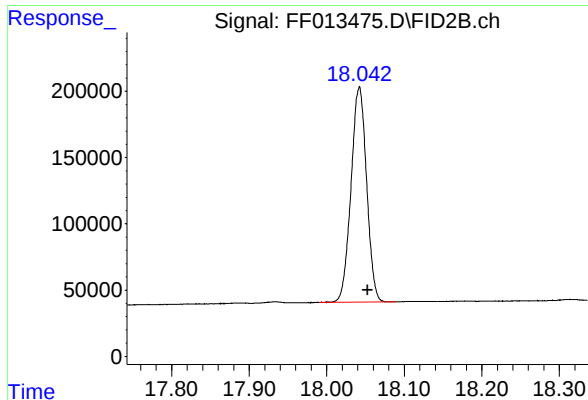
#15 n-Hexacosane (C26)

R.T.: 16.206 min
Delta R.T.: -0.011 min
Response: 2257974
Conc: 20.66 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.155 min
Delta R.T.: -0.011 min
Response: 2224952
Conc: 20.61 ug/ml



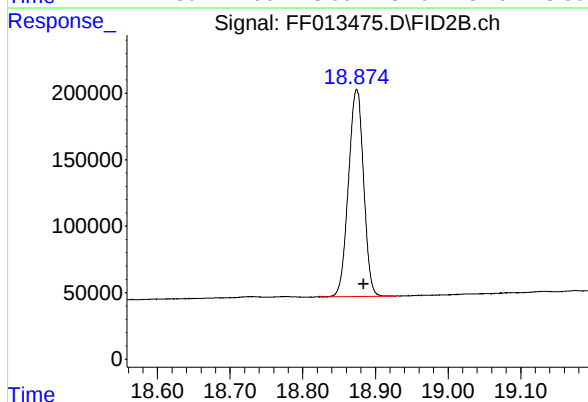
#17 n-Tricontane (C30)

R.T.: 18.042 min
Delta R.T.: -0.011 min
Response: 2264402
Conc: 20.71 ug/ml

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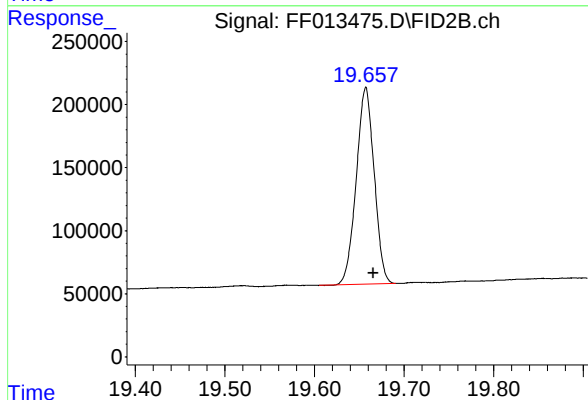
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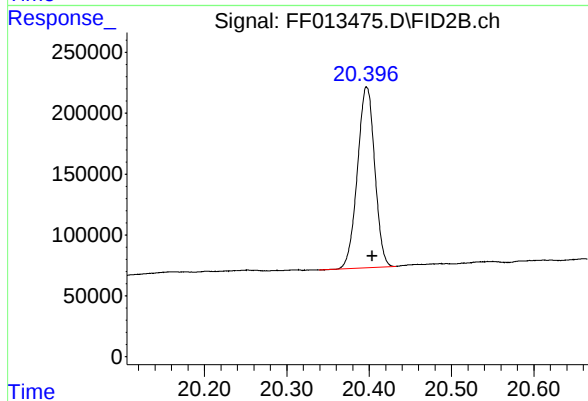
#18 n-Dotriacontane (C32)

R.T.: 18.874 min
Delta R.T.: -0.009 min
Response: 2257440
Conc: 19.98 ug/ml



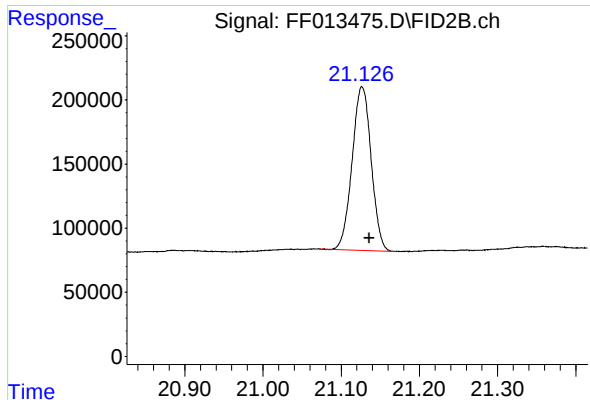
#19 n-Tetratriacontane (C34)

R.T.: 19.657 min
Delta R.T.: -0.008 min
Response: 2164360
Conc: 20.38 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.397 min
Delta R.T.: -0.007 min
Response: 2165163
Conc: 20.54 ug/ml



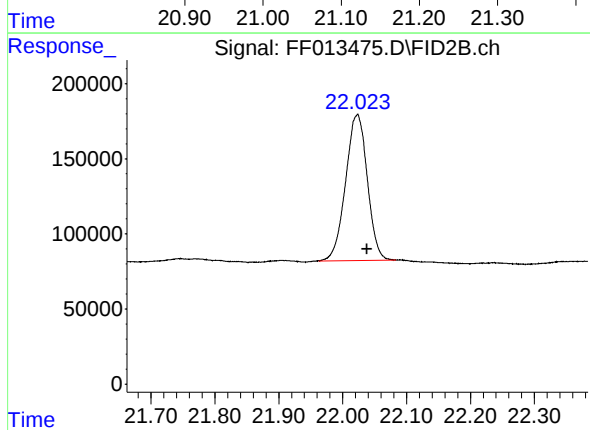
#21 n-Octatriacontane (C38)

R.T.: 21.127 min
Delta R.T.: -0.009 min
Response: 2162659
Conc: 21.41 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.023 min
Delta R.T.: -0.015 min
Response: 2295814
Conc: 23.10 ug/ml m