

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC120721AL\
 Data File : FC057285.D
 Signal(s) : FID1A.CH
 Acq On : 08 Dec 2021 5:58
 Operator : AJ\MA
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Ankita Jodhani 12/08/2021
 Supervised By :mohammad ahmed 12/08/2021

Integration File: sample.E
 Quant Time: Dec 08 06:16:58 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111921.M
 Quant Title : GC Extractables
 Qlast Update : Fri Nov 19 00:52:49 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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)	11.581	2373178	20.450 ug/ml
Spiked Amount 50.000		Recovery =	40.90%
12) S 1-chlorooctadecane (S...	13.013	1842663	20.241 ug/ml
Spiked Amount 50.000		Recovery =	40.48%
Target Compounds			
1) T n-Nonane (C9)	3.347	2211893	21.828 ug/ml
2) T n-Decane (C10)	4.413	2274738	22.716 ug/ml
3) T A~Naphthalene (C11.7)	6.001	2501757	22.405 ug/ml
4) T n-Dodecane (C12)	6.430	2301025	22.694 ug/ml
5) T A~2-methylnaphthalene...	7.057	2467831	22.382 ug/ml
6) T n-Tetradecane (C14)	8.223	2296639	22.667 ug/ml
7) T n-Hexadecane (C16)	9.822	2281948	22.238 ug/ml
8) T n-Octadecane (C18)	11.262	2319719	21.652 ug/ml
10) T n-Eicosane (C20)	12.568	2241489	20.957 ug/ml
11) T n-Heneicosane (C21)	13.179	2217532	20.477 ug/ml
13) T n-Docosane (C22)	13.764	2174688	20.299 ug/ml
14) T n-Tetracosane (C24)	14.864	2144657	19.811 ug/ml
15) T n-Hexacosane (C26)	15.882	2044417	19.193 ug/ml
16) T n-Octacosane (C28)	16.828	2020564	18.943 ug/ml
17) T n-Tricontane (C30)	17.712	2000774	18.771 ug/ml
18) T n-Dotriacontane (C32)	18.541	1965494	18.634 ug/ml
19) T n-Tetratriacontane (C34)	19.321	1954202	18.811 ug/ml
20) T n-Hexatriacontane (C36)	20.056	1938487	19.192 ug/mlm
21) T n-Octatriacontane (C38)	20.784	1856933	20.229 ug/ml
22) T n-Tetracontane (C40)	21.686	1884441	20.919 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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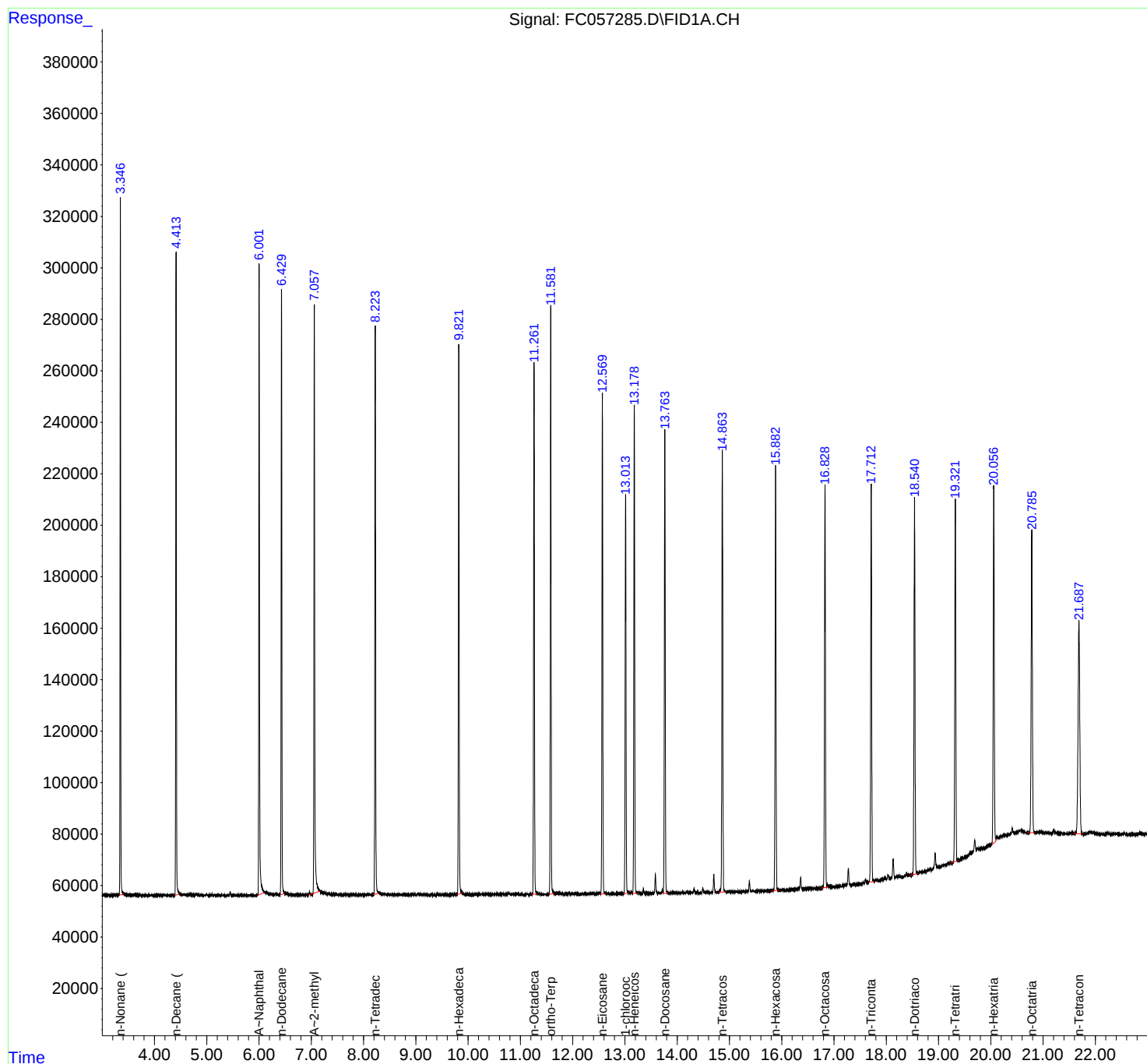
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20 PPM ALIPHATIC HC STD

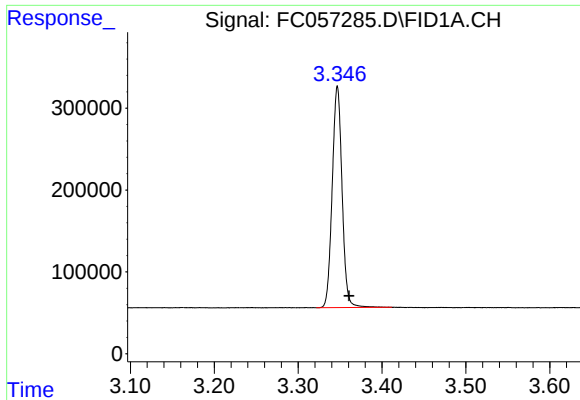
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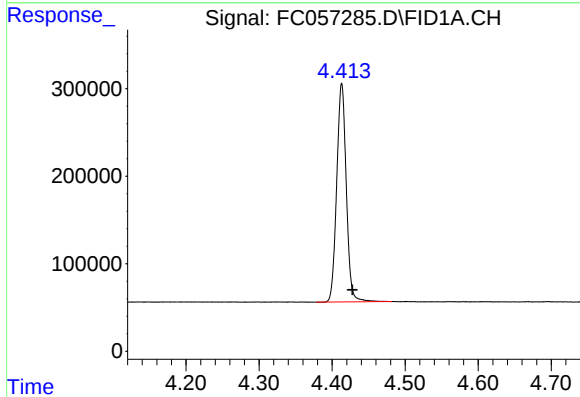
#1 n-Nonane (C9)

R.T.: 3.347 min
Delta R.T.: -0.014 min
Response: 2211893
Conc: 21.83 ug/ml

Instrument :
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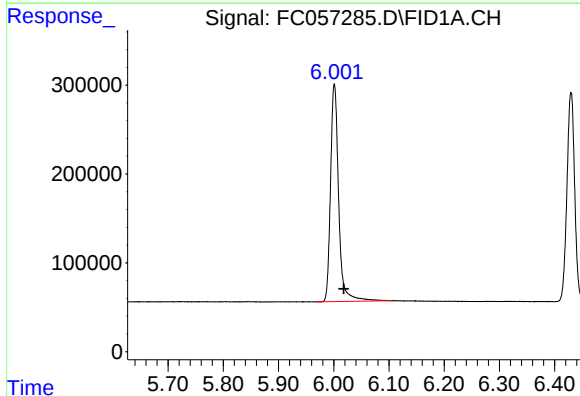
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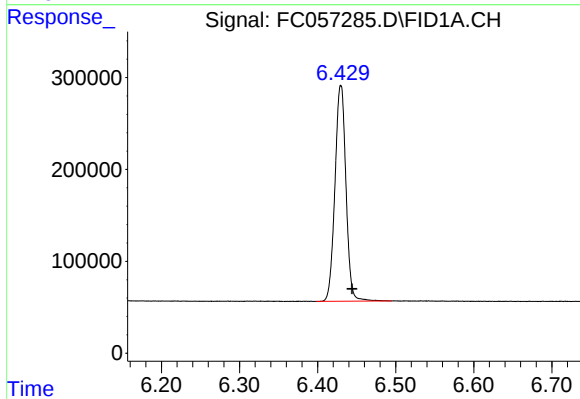
#2 n-Decane (C10)

R.T.: 4.413 min
Delta R.T.: -0.014 min
Response: 2274738
Conc: 22.72 ug/ml



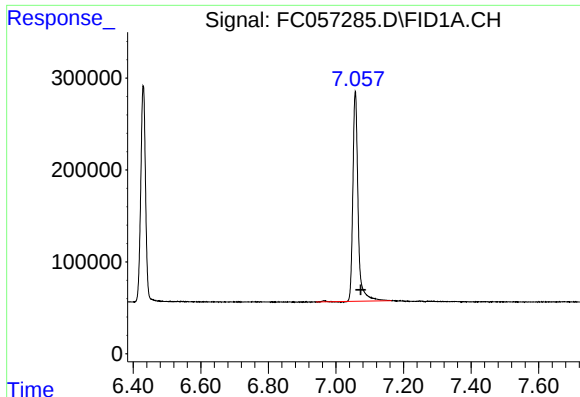
#3 A~Naphthalene (C11.7)

R.T.: 6.001 min
Delta R.T.: -0.017 min
Response: 2501757
Conc: 22.40 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.430 min
Delta R.T.: -0.015 min
Response: 2301025
Conc: 22.69 ug/ml



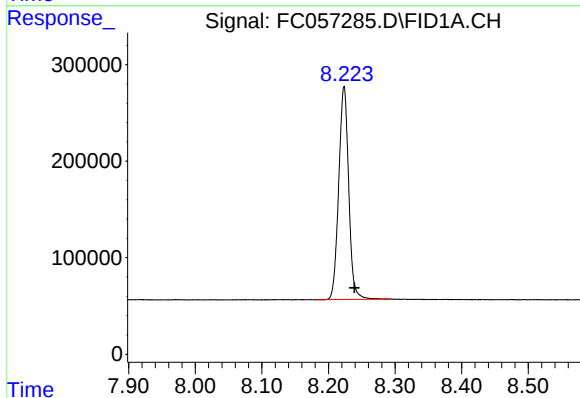
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.057 min
Delta R.T.: -0.016 min
Response: 2467831
Conc: 22.38 ug/ml

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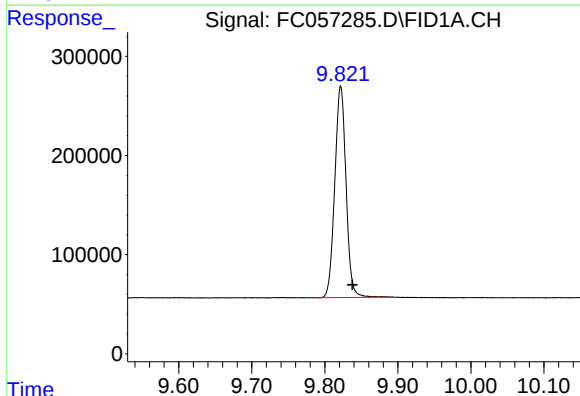
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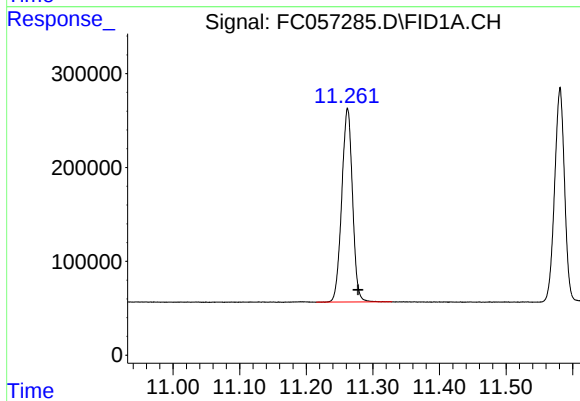
#6 n-Tetradecane (C14)

R.T.: 8.223 min
Delta R.T.: -0.015 min
Response: 2296639
Conc: 22.67 ug/ml



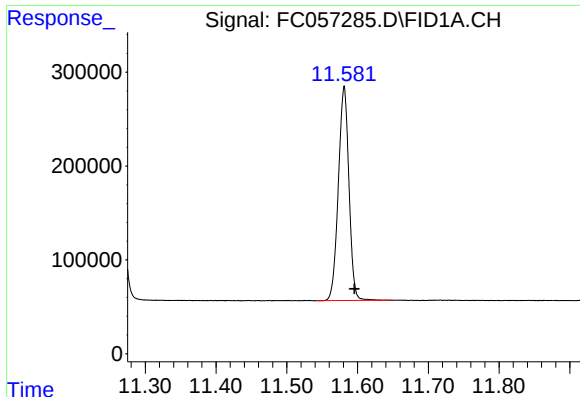
#7 n-Hexadecane (C16)

R.T.: 9.822 min
Delta R.T.: -0.016 min
Response: 2281948
Conc: 22.24 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.262 min
Delta R.T.: -0.016 min
Response: 2319719
Conc: 21.65 ug/ml



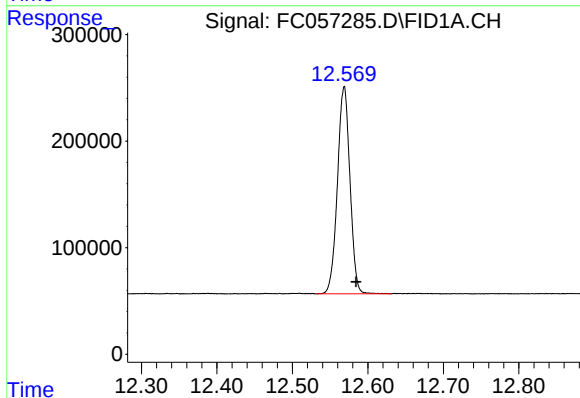
#9 ortho-Terphenyl (SURR)

R.T.: 11.581 min
Delta R.T.: -0.015 min
Response: 2373178
Conc: 20.45 ug/ml

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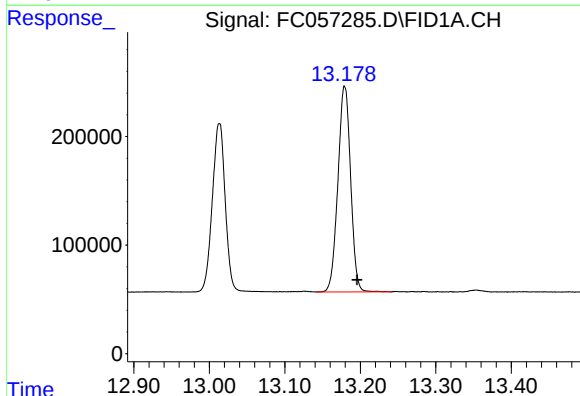
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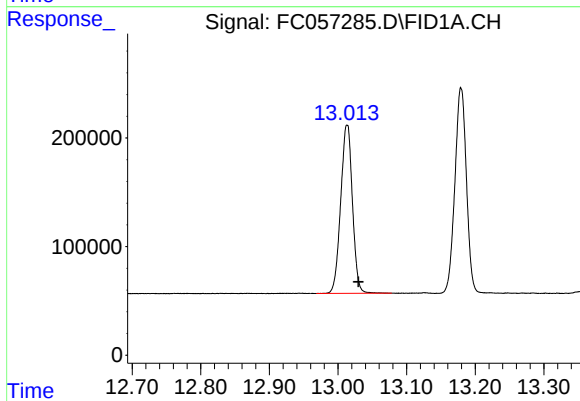
#10 n-Eicosane (C20)

R.T.: 12.568 min
Delta R.T.: -0.016 min
Response: 2241489
Conc: 20.96 ug/ml



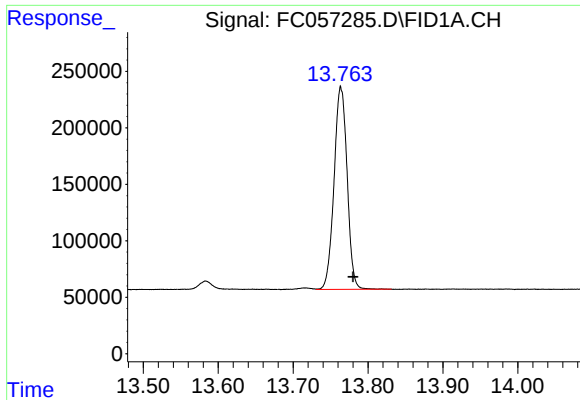
#11 n-Heneicosane (C21)

R.T.: 13.179 min
Delta R.T.: -0.016 min
Response: 2217532
Conc: 20.48 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.013 min
Delta R.T.: -0.017 min
Response: 1842663
Conc: 20.24 ug/ml



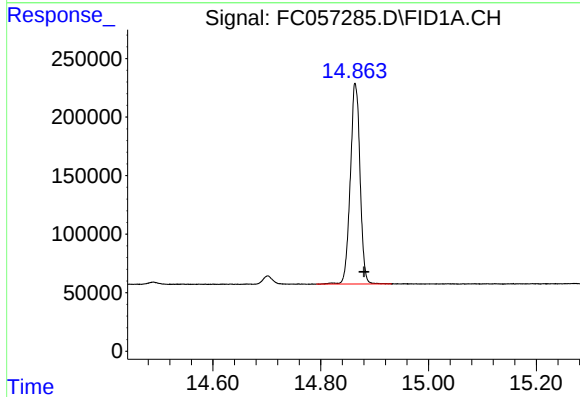
#13 n-Docosane (C22)

R.T.: 13.764 min
Delta R.T.: -0.016 min
Response: 2174688
Conc: 20.30 ug/ml

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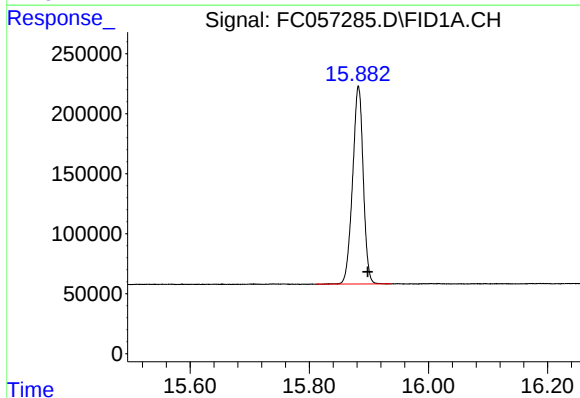
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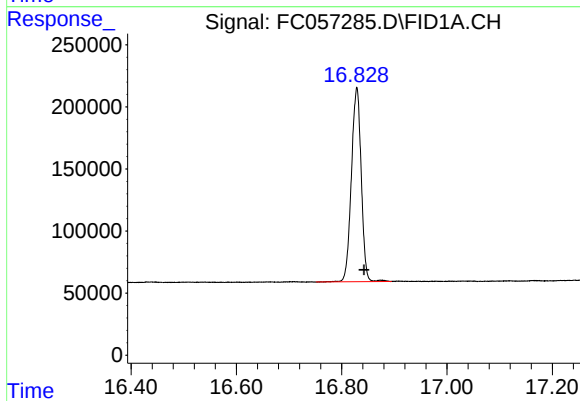
#14 n-Tetracosane (C24)

R.T.: 14.864 min
Delta R.T.: -0.016 min
Response: 2144657
Conc: 19.81 ug/ml



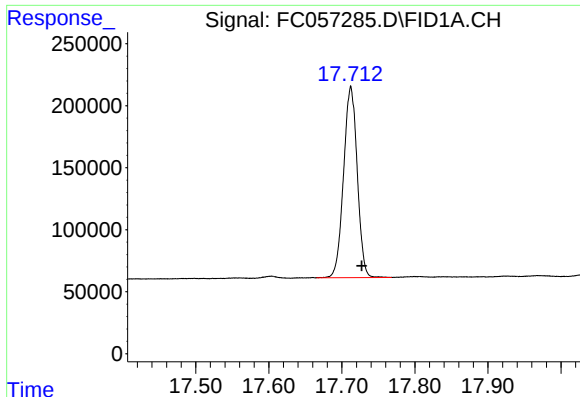
#15 n-Hexacosane (C26)

R.T.: 15.882 min
Delta R.T.: -0.015 min
Response: 2044417
Conc: 19.19 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.828 min
Delta R.T.: -0.014 min
Response: 2020564
Conc: 18.94 ug/ml



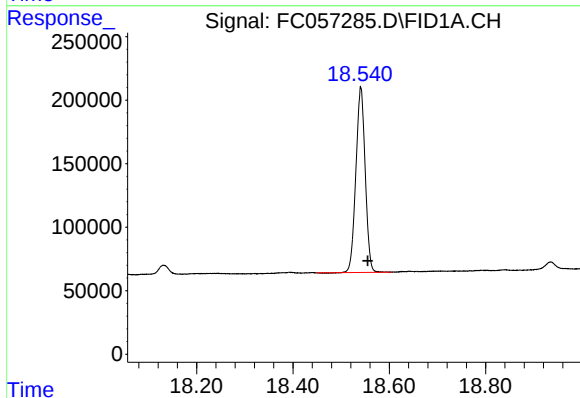
#17 n-Tricontane (C30)

R.T.: 17.712 min
Delta R.T.: -0.015 min
Response: 2000774
Conc: 18.77 ug/ml

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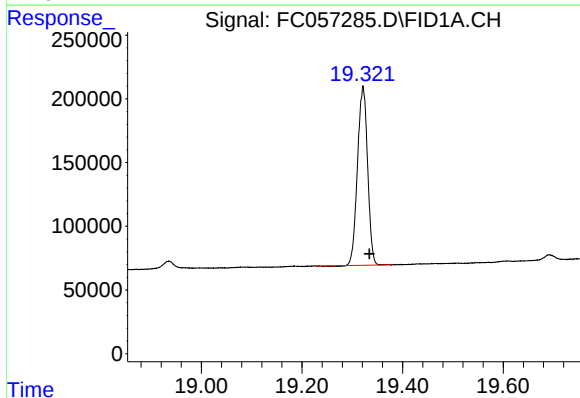
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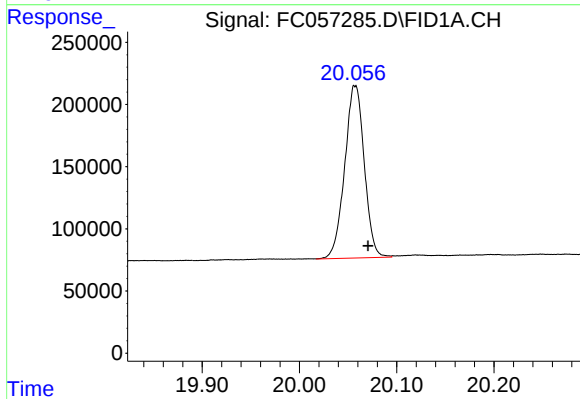
#18 n-Dotriacontane (C32)

R.T.: 18.541 min
Delta R.T.: -0.015 min
Response: 1965494
Conc: 18.63 ug/ml



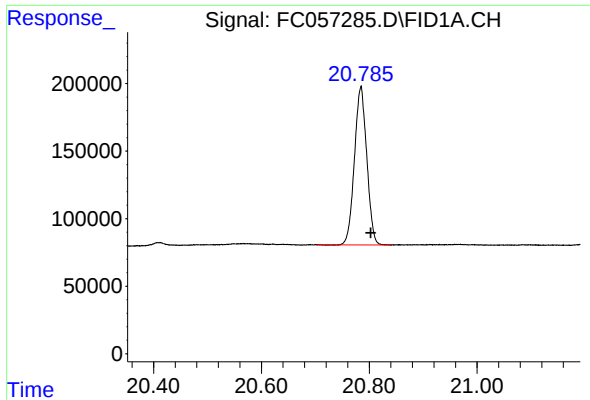
#19 n-Tetratriacontane (C34)

R.T.: 19.321 min
Delta R.T.: -0.013 min
Response: 1954202
Conc: 18.81 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.056 min
Delta R.T.: -0.015 min
Response: 1938487
Conc: 19.19 ug/ml m



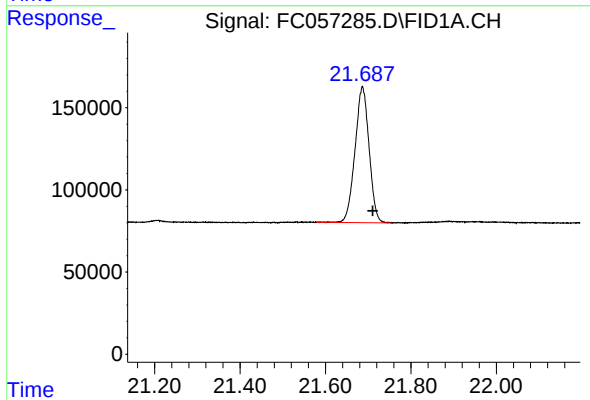
#21 n-Octatriacontane (C38)

R.T.: 20.784 min
Delta R.T.: -0.019 min
Response: 1856933
Conc: 20.23 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.686 min
Delta R.T.: -0.024 min
Response: 1884441
Conc: 20.92 ug/ml