

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC121621AL\
 Data File : FC057541.D
 Signal(s) : FID1A.CH
 Acq On : 16 Dec 2021 21:48
 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 :Yogesh Patel 12/17/2021
 Supervised By :Ankita Jodhani 12/17/2021

Integration File: sample.E
 Quant Time: Dec 17 01:32:11 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121421.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 14 20:43:13 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)	10.818	2722289	19.563 ug/ml
Spiked Amount 50.000		Recovery =	39.13%
12) S 1-chlorooctadecane (S...	12.255	2082706	18.807 ug/ml
Spiked Amount 50.000		Recovery =	37.61%
Target Compounds			
1) T n-Nonane (C9)	2.685	2527773	20.460 ug/ml
2) T n-Decane (C10)	3.689	2566328	20.604 ug/ml
3) T A~Naphthalene (C11.7)	5.246	2864641	20.649 ug/mlm
4) T n-Dodecane (C12)	5.676	2571909	20.826 ug/ml
5) T A~2-methylnaphthalene...	6.293	2883268	20.618 ug/mlm
6) T n-Tetradecane (C14)	7.466	2556302	20.644 ug/ml
7) T n-Hexadecane (C16)	9.065	2551837	20.352 ug/ml
8) T n-Octadecane (C18)	10.506	2567840	19.838 ug/ml
10) T n-Eicosane (C20)	11.813	2494458	19.201 ug/ml
11) T n-Heneicosane (C21)	12.423	2475695	18.863 ug/mlm
13) T n-Docosane (C22)	13.010	2431735	18.501 ug/ml
14) T n-Tetracosane (C24)	14.113	2382973	17.917 ug/ml
15) T n-Hexacosane (C26)	15.132	2283011	17.411 ug/ml
16) T n-Octacosane (C28)	16.082	2226565	16.932 ug/ml
17) T n-Tricontane (C30)	16.966	2203278	16.121 ug/mlm
18) T n-Dotriacontane (C32)	17.800	2220031	16.558 ug/mlm
19) T n-Tetratriacontane (C34)	18.583	2188325	16.782 ug/mlm
20) T n-Hexatriacontane (C36)	19.326	2167722	18.256 ug/mlm
21) T n-Octatriacontane (C38)	20.051	2077545	18.916 ug/mlm
22) T n-Tetracontane (C40)	20.933	2077346	20.806 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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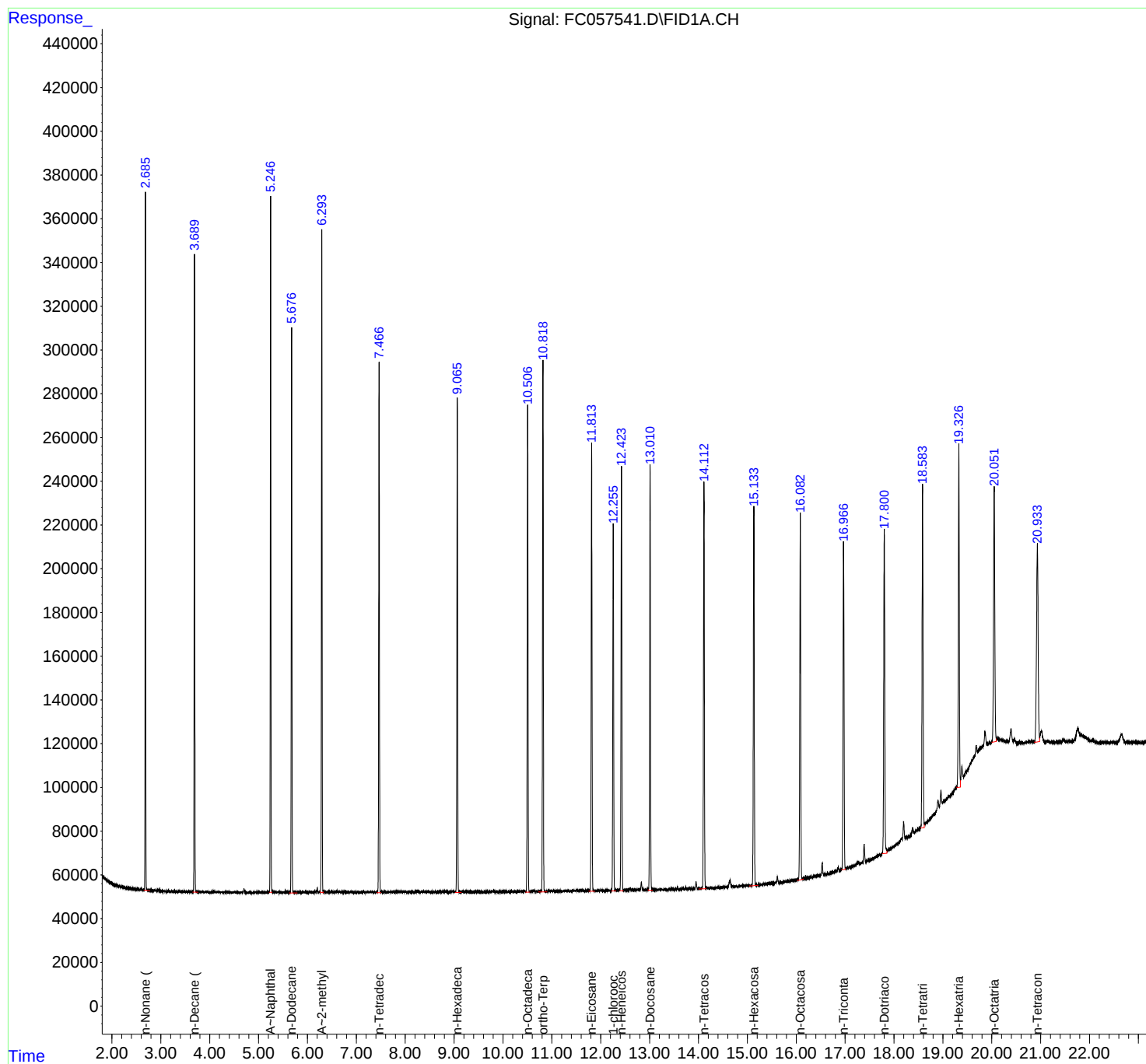
Instrument :
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20 PPM ALIPHATIC HC STD

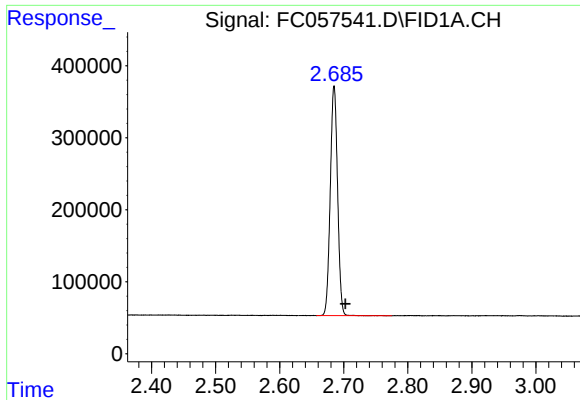
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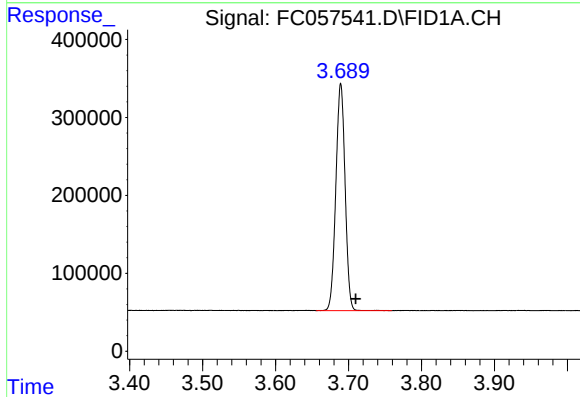
#1 n-Nonane (C9)

R.T.: 2.685 min
Delta R.T.: -0.018 min
Response: 2527773
Conc: 20.46 ug/ml

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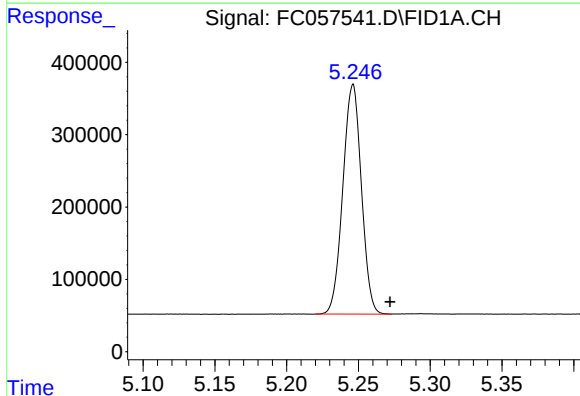
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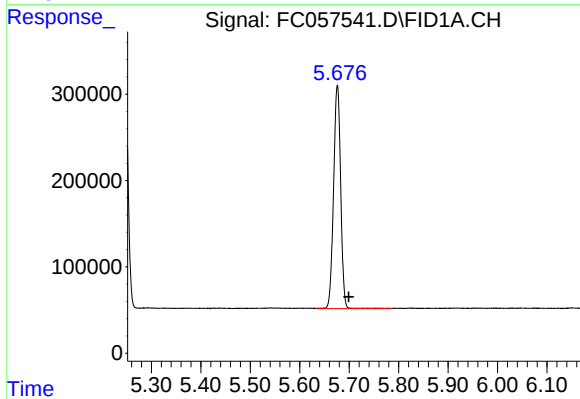
#2 n-Decane (C10)

R.T.: 3.689 min
Delta R.T.: -0.021 min
Response: 2566328
Conc: 20.60 ug/ml



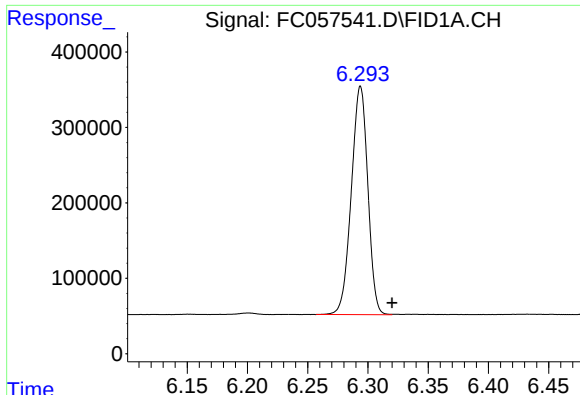
#3 A~Naphthalene (C11.7)

R.T.: 5.246 min
Delta R.T.: -0.026 min
Response: 2864641
Conc: 20.65 ug/ml m



#4 n-Dodecane (C12)

R.T.: 5.676 min
Delta R.T.: -0.023 min
Response: 2571909
Conc: 20.83 ug/ml



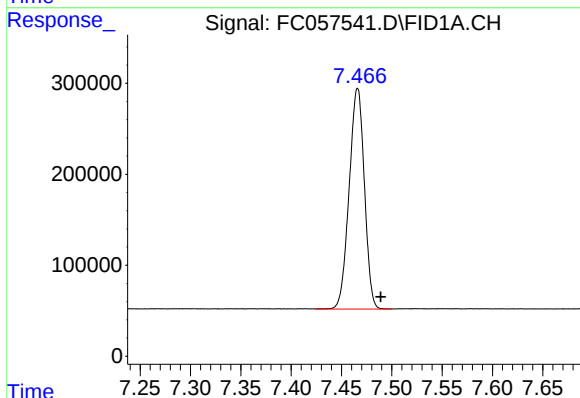
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.293 min
Delta R.T.: -0.027 min
Response: 2883268
Conc: 20.62 ug/ml

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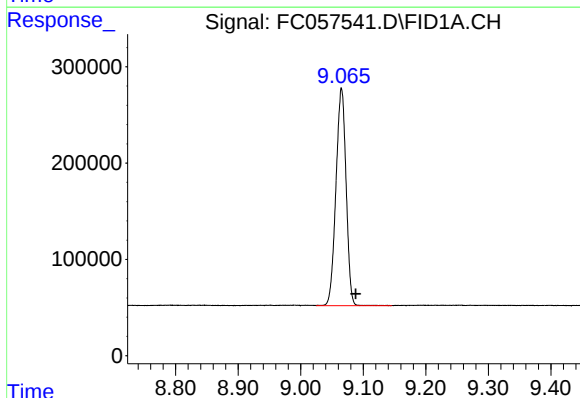
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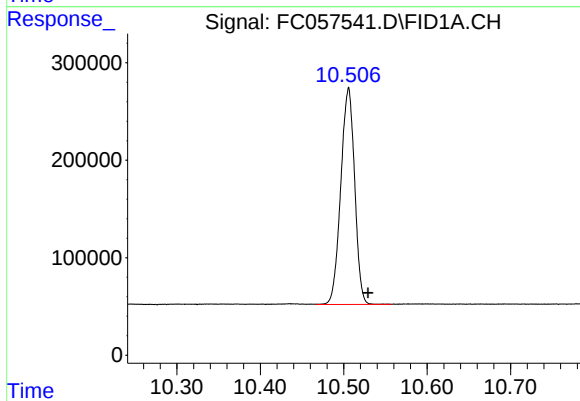
#6 n-Tetradecane (C14)

R.T.: 7.466 min
Delta R.T.: -0.023 min
Response: 2556302
Conc: 20.64 ug/ml



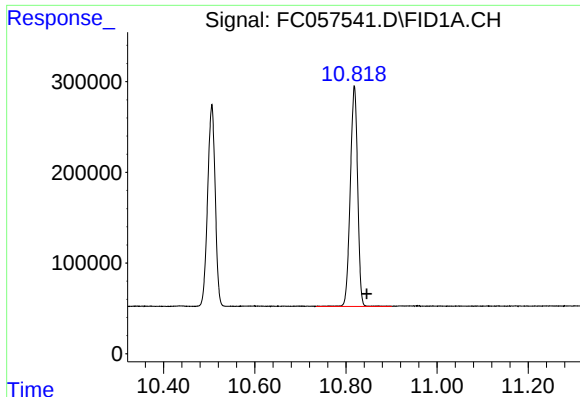
#7 n-Hexadecane (C16)

R.T.: 9.065 min
Delta R.T.: -0.023 min
Response: 2551837
Conc: 20.35 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.506 min
Delta R.T.: -0.024 min
Response: 2567840
Conc: 19.84 ug/ml



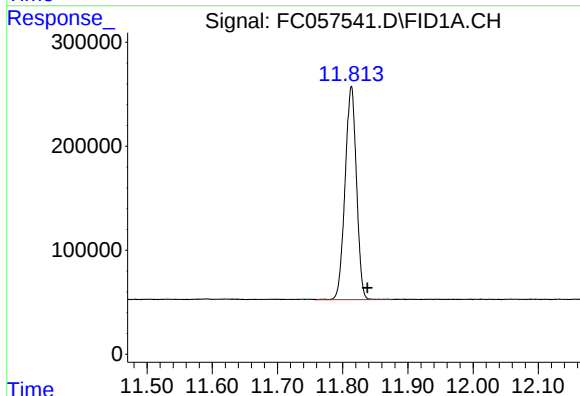
#9 ortho-Terphenyl (SURR)

R.T.: 10.818 min
Delta R.T.: -0.028 min
Response: 2722289
Conc: 19.56 ug/ml

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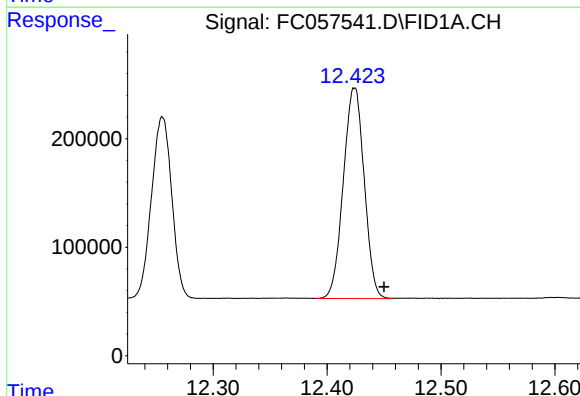
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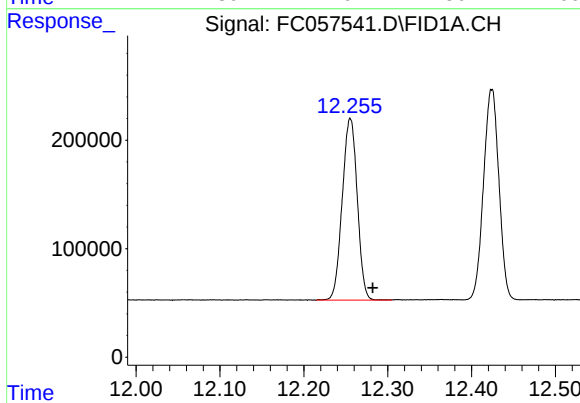
#10 n-Eicosane (C20)

R.T.: 11.813 min
Delta R.T.: -0.025 min
Response: 2494458
Conc: 19.20 ug/ml



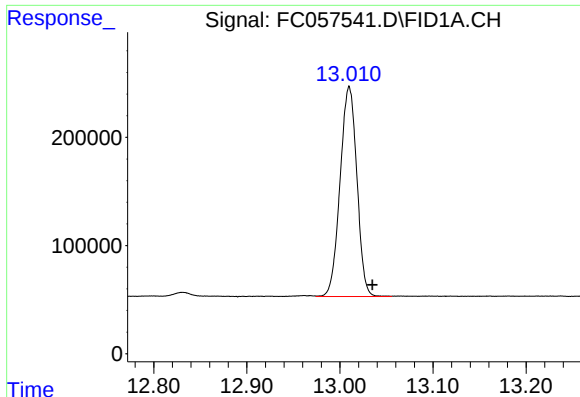
#11 n-Heneicosane (C21)

R.T.: 12.423 min
Delta R.T.: -0.027 min
Response: 2475695
Conc: 18.86 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 12.255 min
Delta R.T.: -0.027 min
Response: 2082706
Conc: 18.81 ug/ml



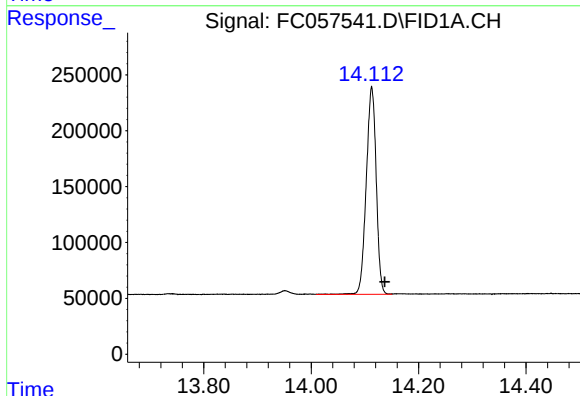
#13 n-Docosane (C22)

R.T.: 13.010 min
Delta R.T.: -0.025 min
Response: 2431735
Conc: 18.50 ug/ml

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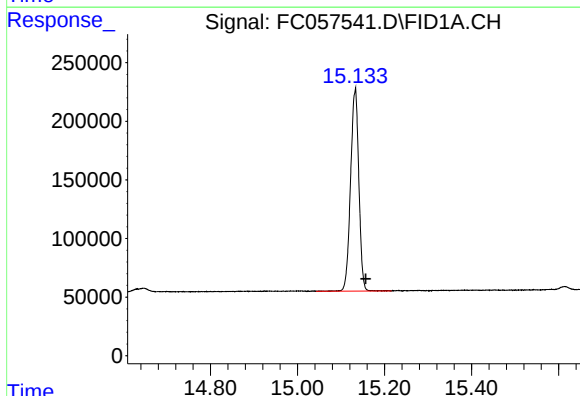
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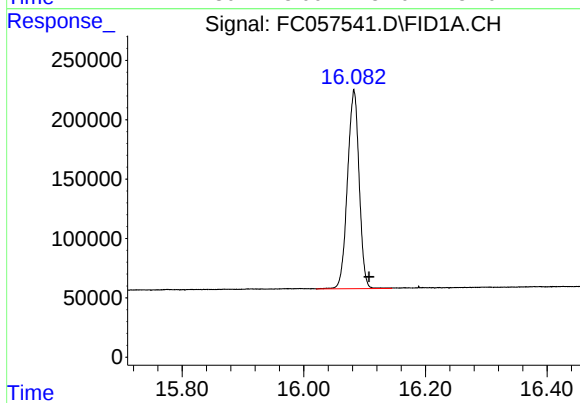
#14 n-Tetracosane (C24)

R.T.: 14.113 min
Delta R.T.: -0.024 min
Response: 2382973
Conc: 17.92 ug/ml



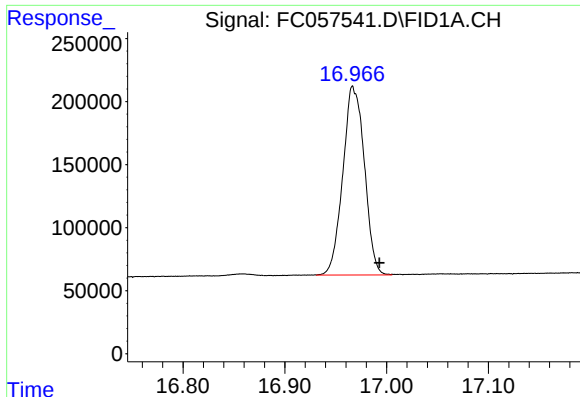
#15 n-Hexacosane (C26)

R.T.: 15.132 min
Delta R.T.: -0.025 min
Response: 2283011
Conc: 17.41 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.082 min
Delta R.T.: -0.025 min
Response: 2226565
Conc: 16.93 ug/ml



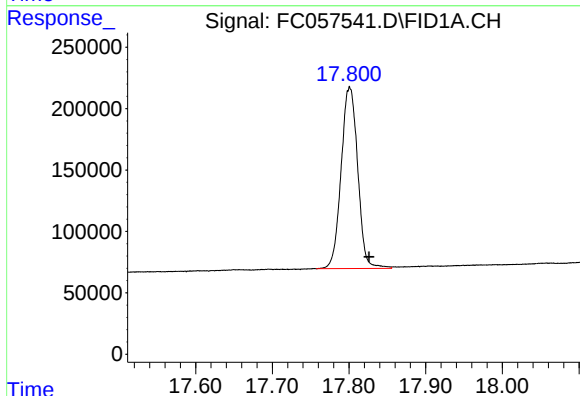
#17 n-Tricontane (C30)

R.T.: 16.966 min
Delta R.T.: -0.027 min
Response: 2203278
Conc: 16.12 ug/ml

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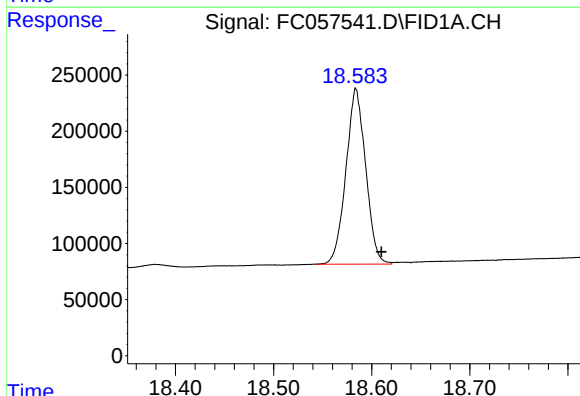
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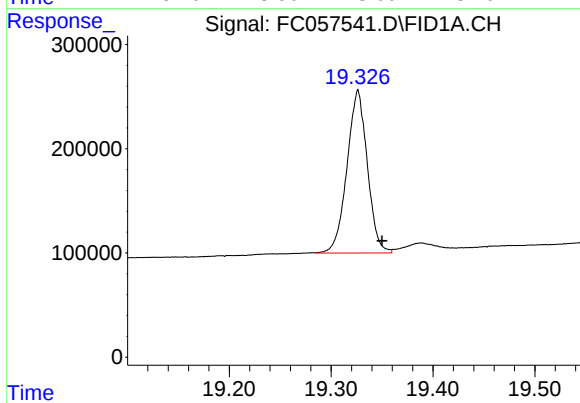
#18 n-Dotriacontane (C32)

R.T.: 17.800 min
Delta R.T.: -0.026 min
Response: 2220031
Conc: 16.56 ug/ml m



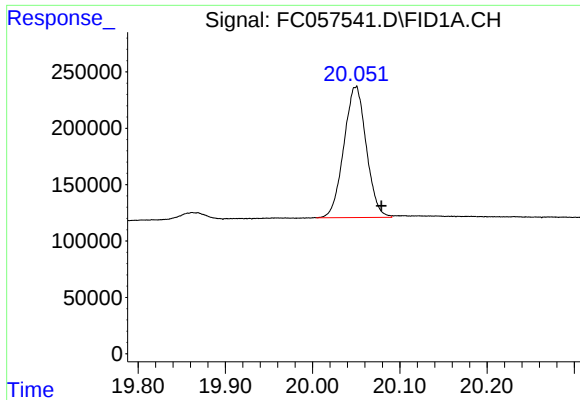
#19 n-Tetratriacontane (C34)

R.T.: 18.583 min
Delta R.T.: -0.027 min
Response: 2188325
Conc: 16.78 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.326 min
Delta R.T.: -0.024 min
Response: 2167722
Conc: 18.26 ug/ml m



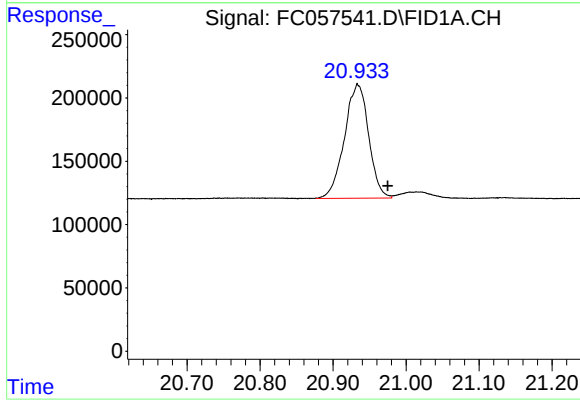
#21 n-Octatriacontane (C38)

R.T.: 20.051 min
Delta R.T.: -0.028 min
Response: 2077545
Conc: 18.92 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.933 min
Delta R.T.: -0.042 min
Response: 2077346
Conc: 20.81 ug/ml m