

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC011822AL\
 Data File : FC057962.D
 Signal(s) : FID1A.CH
 Acq On : 18 Jan 2022 10:47
 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 01/19/2022
 Supervised By :Ankita Jodhani 01/19/2022

Integration File: autoint1.e
 Quant Time: Jan 19 00:39:49 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 010522.M
 Quant Title : GC Extractables
 QLast Update : Wed Jan 05 12:13:43 2022
 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)	10.709	4191467	21.676 ug/ml
Spiked Amount 50.000		Recovery =	43.35%
12) S 1-chlorooctadecane (S...	12.147	3169756	21.506 ug/ml
Spiked Amount 50.000		Recovery =	43.01%
Target Compounds			
1) T n-Nonane (C9)	2.634	3788834	23.693 ug/ml
2) T n-Decane (C10)	3.624	3851413	23.962 ug/ml
3) T A~Naphthalene (C11.7)	5.164	4352700	23.971 ug/ml
4) T n-Dodecane (C12)	5.597	3888183	24.109 ug/ml
5) T A~2-methylnaphthalene...	6.205	4366032	23.875 ug/ml
6) T n-Tetradecane (C14)	7.378	3970499	24.050 ug/ml
7) T n-Hexadecane (C16)	8.970	3944877	23.616 ug/ml
8) T n-Octadecane (C18)	10.405	3937448	22.880 ug/ml
10) T n-Eicosane (C20)	11.708	3754464	21.931 ug/ml
11) T n-Heneicosane (C21)	12.317	3727333	21.555 ug/ml
13) T n-Docosane (C22)	12.901	3609068	20.861 ug/ml
14) T n-Tetracosane (C24)	14.000	3469363	20.041 ug/ml
15) T n-Hexacosane (C26)	15.016	3294830	19.578 ug/ml
16) T n-Octacosane (C28)	15.963	3213424	19.637 ug/ml
17) T n-Tricontane (C30)	16.847	3136662	20.091 ug/ml
18) T n-Dotriacontane (C32)	17.678	2901626	20.811 ug/mlm
19) T n-Tetratriacontane (C34)	18.458	2623776	21.110 ug/ml
20) T n-Hexatriacontane (C36)	19.196	2237832	20.128 ug/ml
21) T n-Octatriacontane (C38)	19.901	1903489	18.248 ug/ml
22) T n-Tetracontane (C40)	20.729	1748836	18.264 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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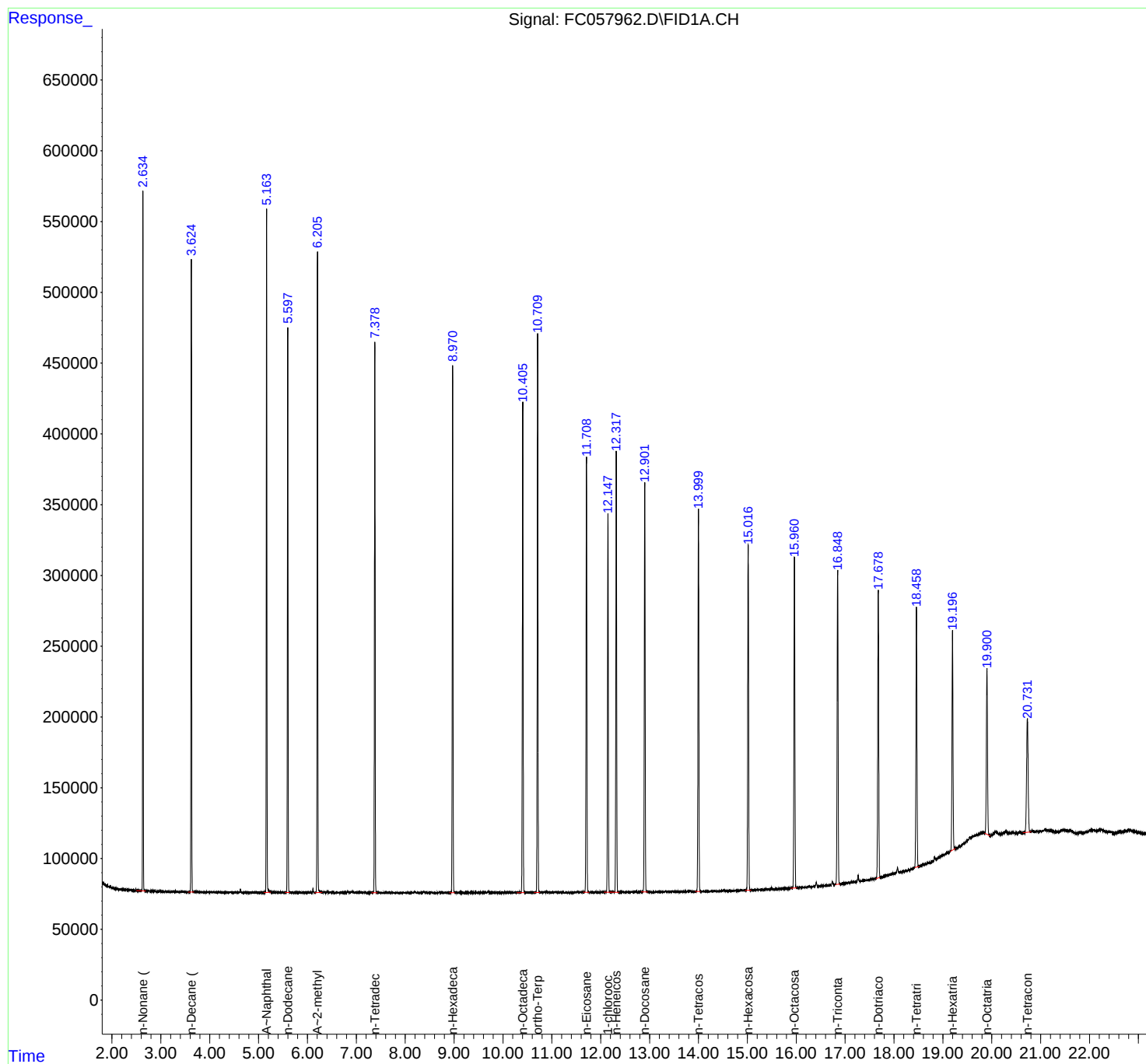
Instrument :
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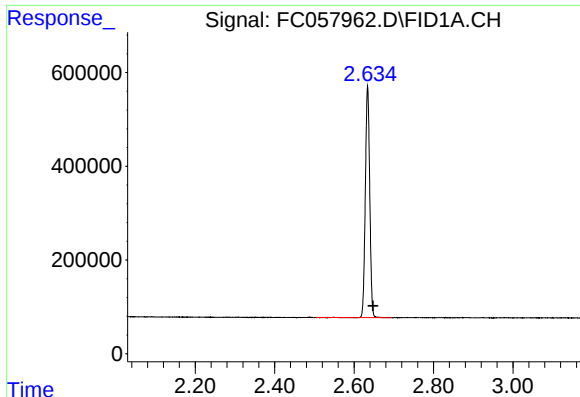
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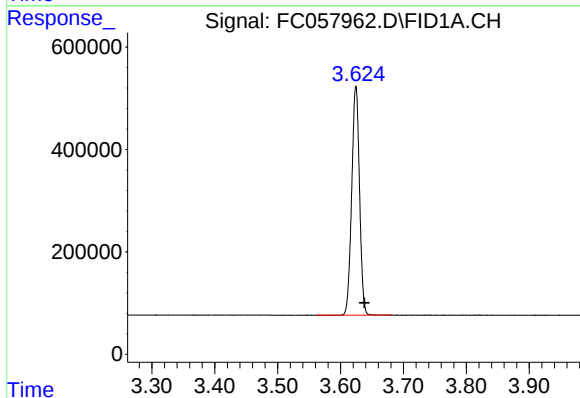
#1 n-Nonane (C9)

R.T.: 2.634 min
Delta R.T.: -0.014 min
Response: 3788834
Conc: 23.69 ug/ml

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20 PPM ALIPHATIC HC STD

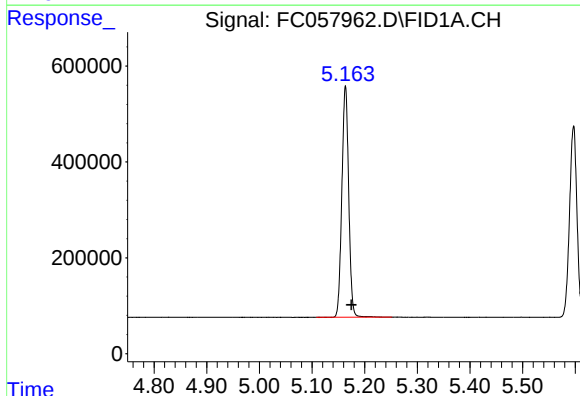
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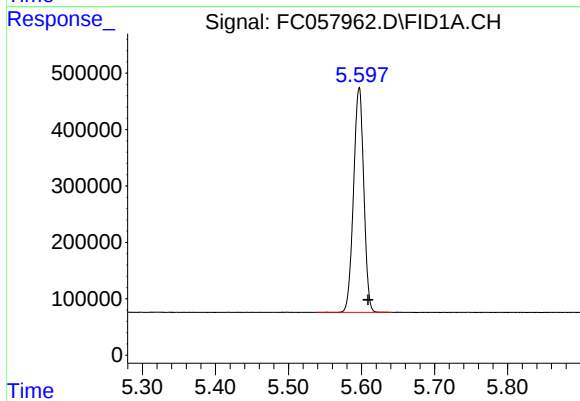
#2 n-Decane (C10)

R.T.: 3.624 min
Delta R.T.: -0.014 min
Response: 3851413
Conc: 23.96 ug/ml



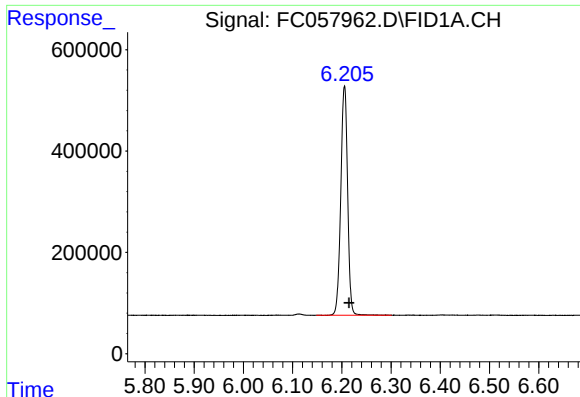
#3 A~Naphthalene (C11.7)

R.T.: 5.164 min
Delta R.T.: -0.011 min
Response: 4352700
Conc: 23.97 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.597 min
Delta R.T.: -0.012 min
Response: 3888183
Conc: 24.11 ug/ml



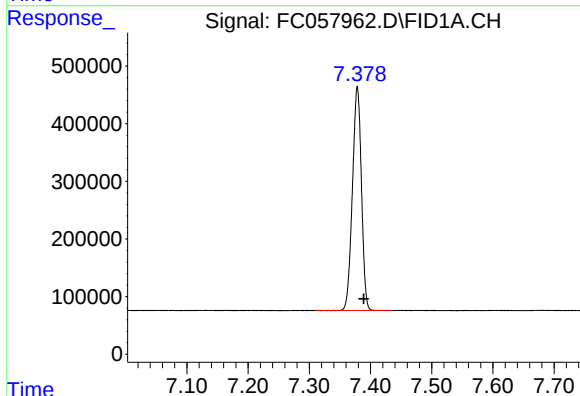
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.205 min
Delta R.T.: -0.009 min
Response: 4366032
Conc: 23.88 ug/ml

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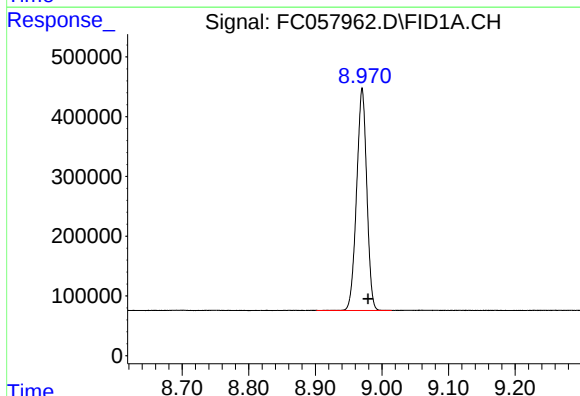
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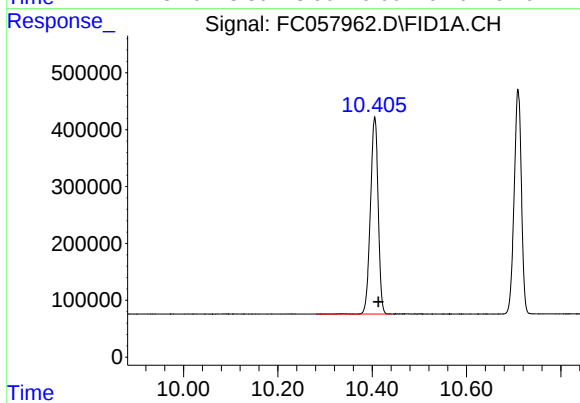
#6 n-Tetradecane (C14)

R.T.: 7.378 min
Delta R.T.: -0.010 min
Response: 3970499
Conc: 24.05 ug/ml



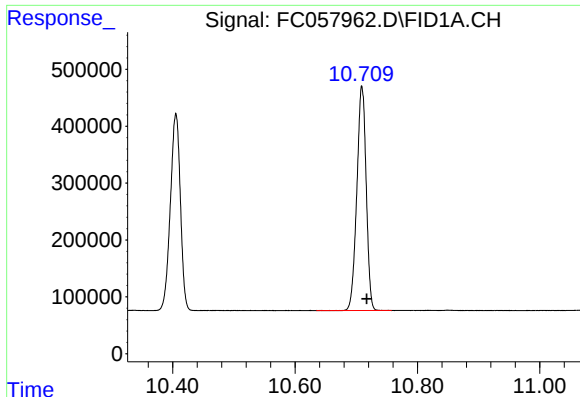
#7 n-Hexadecane (C16)

R.T.: 8.970 min
Delta R.T.: -0.009 min
Response: 3944877
Conc: 23.62 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.405 min
Delta R.T.: -0.008 min
Response: 3937448
Conc: 22.88 ug/ml



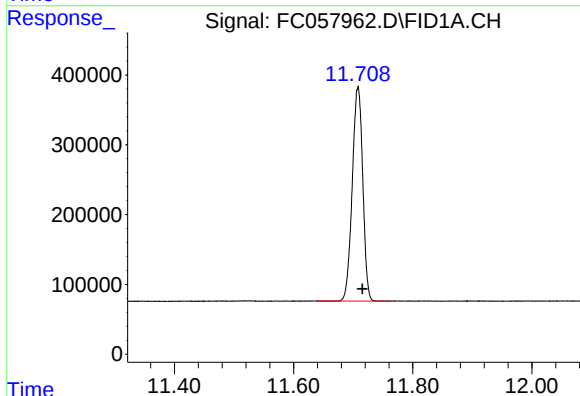
#9 ortho-Terphenyl (SURR)

R.T.: 10.709 min
Delta R.T.: -0.008 min
Response: 4191467
Conc: 21.68 ug/ml

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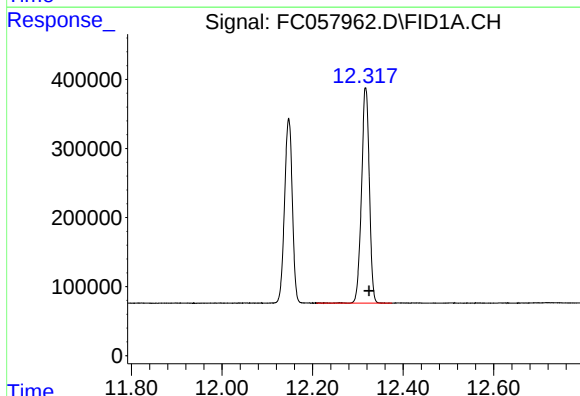
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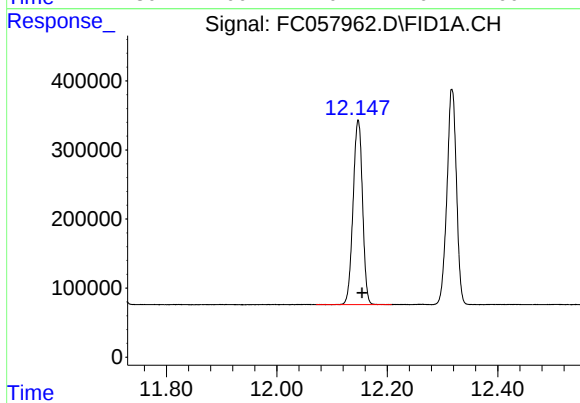
#10 n-Eicosane (C20)

R.T.: 11.708 min
Delta R.T.: -0.008 min
Response: 3754464
Conc: 21.93 ug/ml



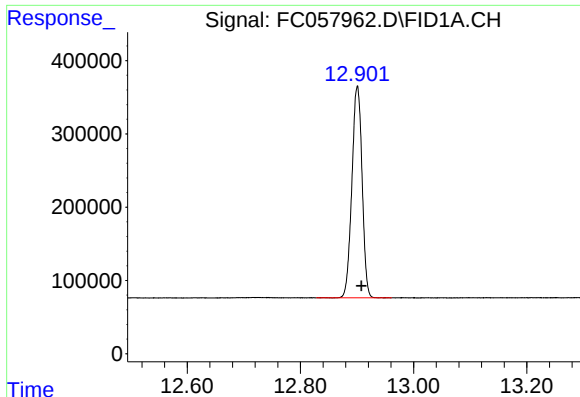
#11 n-Heneicosane (C21)

R.T.: 12.317 min
Delta R.T.: -0.007 min
Response: 3727333
Conc: 21.55 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.147 min
Delta R.T.: -0.007 min
Response: 3169756
Conc: 21.51 ug/ml



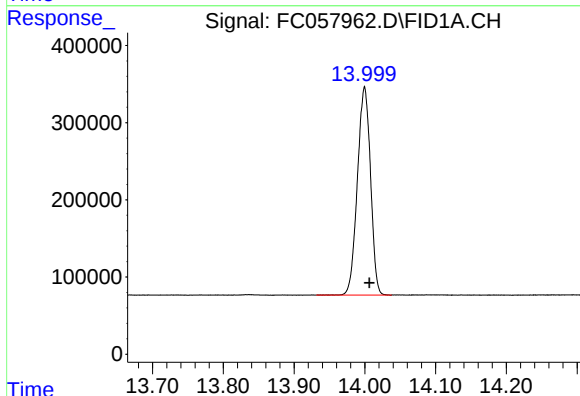
#13 n-Docosane (C22)

R.T.: 12.901 min
Delta R.T.: -0.007 min
Response: 3609068
Conc: 20.86 ug/ml

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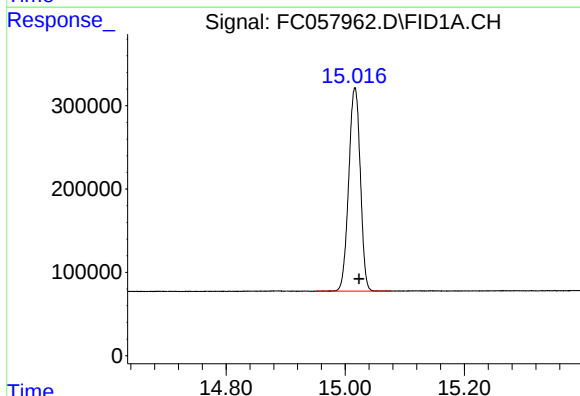
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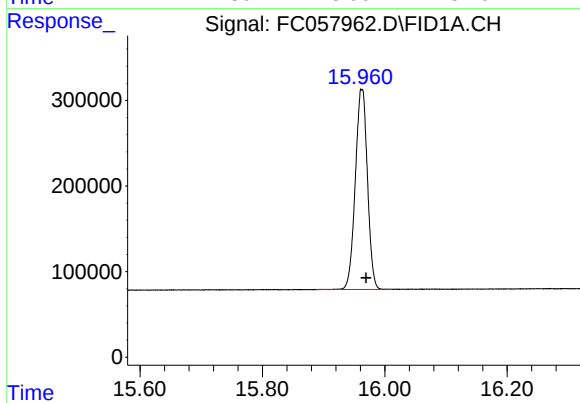
#14 n-Tetracosane (C24)

R.T.: 14.000 min
Delta R.T.: -0.007 min
Response: 3469363
Conc: 20.04 ug/ml



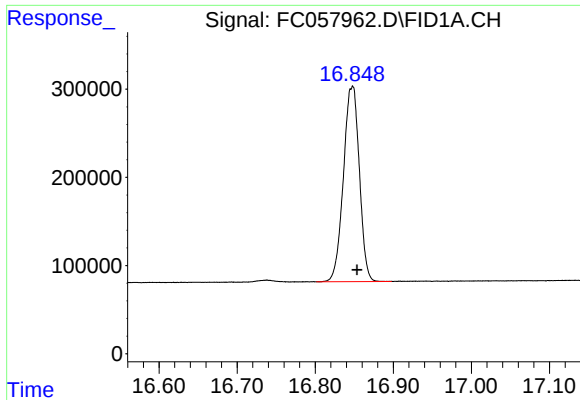
#15 n-Hexacosane (C26)

R.T.: 15.016 min
Delta R.T.: -0.007 min
Response: 3294830
Conc: 19.58 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.963 min
Delta R.T.: -0.007 min
Response: 3213424
Conc: 19.64 ug/ml



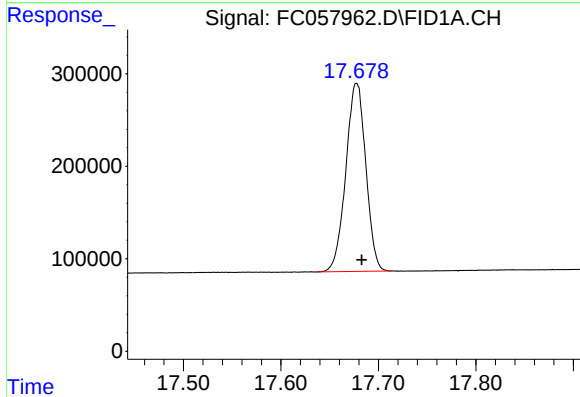
#17 n-Tricontane (C30)

R.T.: 16.847 min
Delta R.T.: -0.006 min
Response: 3136662
Conc: 20.09 ug/ml

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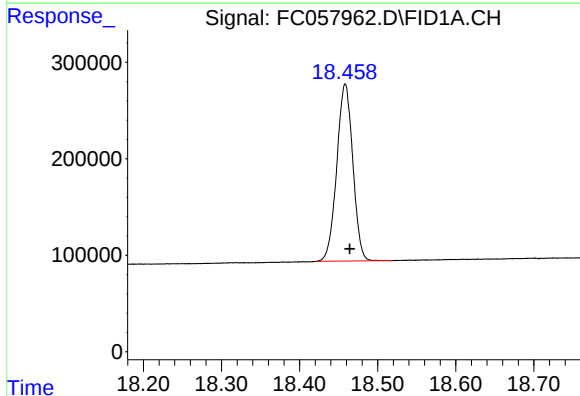
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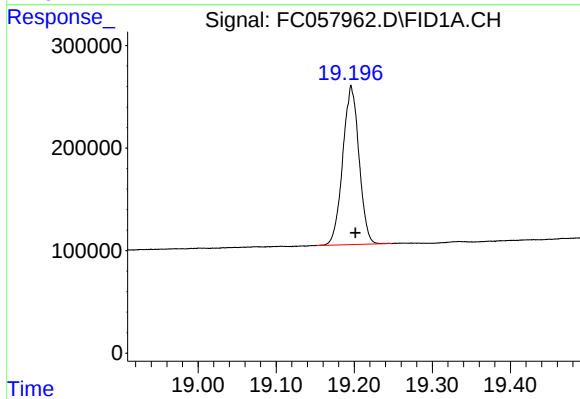
#18 n-Dotriacontane (C32)

R.T.: 17.678 min
Delta R.T.: -0.005 min
Response: 2901626
Conc: 20.81 ug/ml m



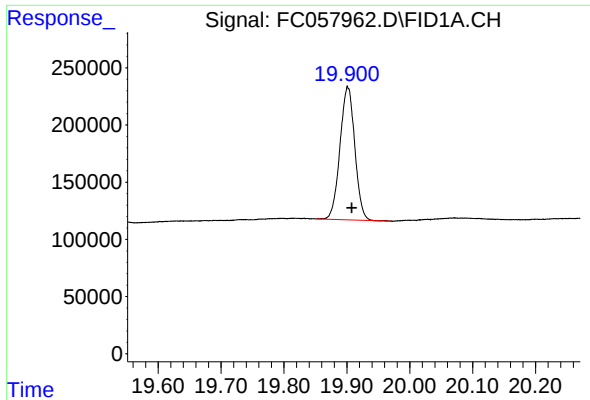
#19 n-Tetratriacontane (C34)

R.T.: 18.458 min
Delta R.T.: -0.006 min
Response: 2623776
Conc: 21.11 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.196 min
Delta R.T.: -0.005 min
Response: 2237832
Conc: 20.13 ug/ml



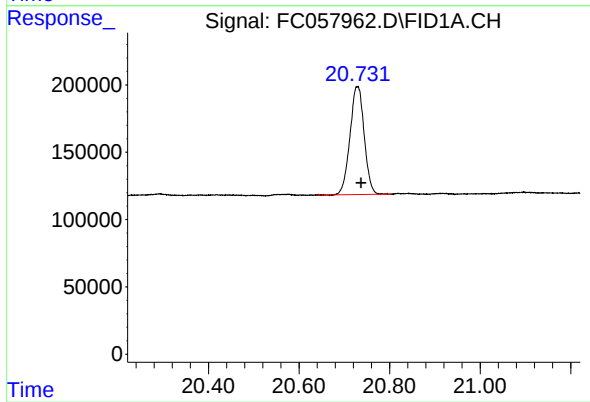
#21 n-Octatriacontane (C38)

R.T.: 19.901 min
Delta R.T.: -0.006 min
Response: 1903489
Conc: 18.25 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.729 min
Delta R.T.: -0.008 min
Response: 1748836
Conc: 18.26 ug/ml