

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111221AL\
 Data File : FC056777.D
 Signal(s) : FID1A.CH
 Acq On : 13 Nov 2021 5:05
 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 11/15/2021
 Supervised By :mohammad ahmed 11/15/2021

Integration File: autoint1.e
 Quant Time: Nov 13 05:52:21 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102121.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 21 01:00:25 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)	11.612	2110781	17.047 ug/ml
Spiked Amount 50.000		Recovery =	34.09%
12) S 1-chlorooctadecane (S...	13.044	1622729	16.864 ug/ml
Spiked Amount 50.000		Recovery =	33.73%
Target Compounds			
1) T n-Nonane (C9)	3.369	2123958	19.624 ug/mlm
2) T n-Decane (C10)	4.437	2149716	19.957 ug/ml
3) T A~Naphthalene (C11.7)	6.029	2365388	19.401 ug/ml
4) T n-Dodecane (C12)	6.456	2159011	19.585 ug/ml
5) T A~2-methylnaphthalene...	7.086	2325481	18.990 ug/ml
6) T n-Tetradecane (C14)	8.251	2143435	19.092 ug/ml
7) T n-Hexadecane (C16)	9.850	2111607	18.573 ug/ml
8) T n-Octadecane (C18)	11.292	2095308	17.930 ug/ml
10) T n-Eicosane (C20)	12.599	1990620	17.321 ug/ml
11) T n-Heneicosane (C21)	13.210	1955529	17.016 ug/ml
13) T n-Docosane (C22)	13.795	1923454	17.084 ug/ml
14) T n-Tetracosane (C24)	14.894	1872697	16.993 ug/ml
15) T n-Hexacosane (C26)	15.912	1798812	17.043 ug/ml
16) T n-Octacosane (C28)	16.860	1800271	17.356 ug/ml
17) T n-Tricontane (C30)	17.744	1814078	17.509 ug/ml
18) T n-Dotriacontane (C32)	18.572	1833572	19.138 ug/mlm
19) T n-Tetratriacontane (C34)	19.352	1828389	20.846 ug/mlm
20) T n-Hexatriacontane (C36)	20.087	1829901	22.356 ug/mlm
21) T n-Octatriacontane (C38)	20.822	1772647	22.165 ug/mlm
22) T n-Tetracontane (C40)	21.736	1724940	20.936 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

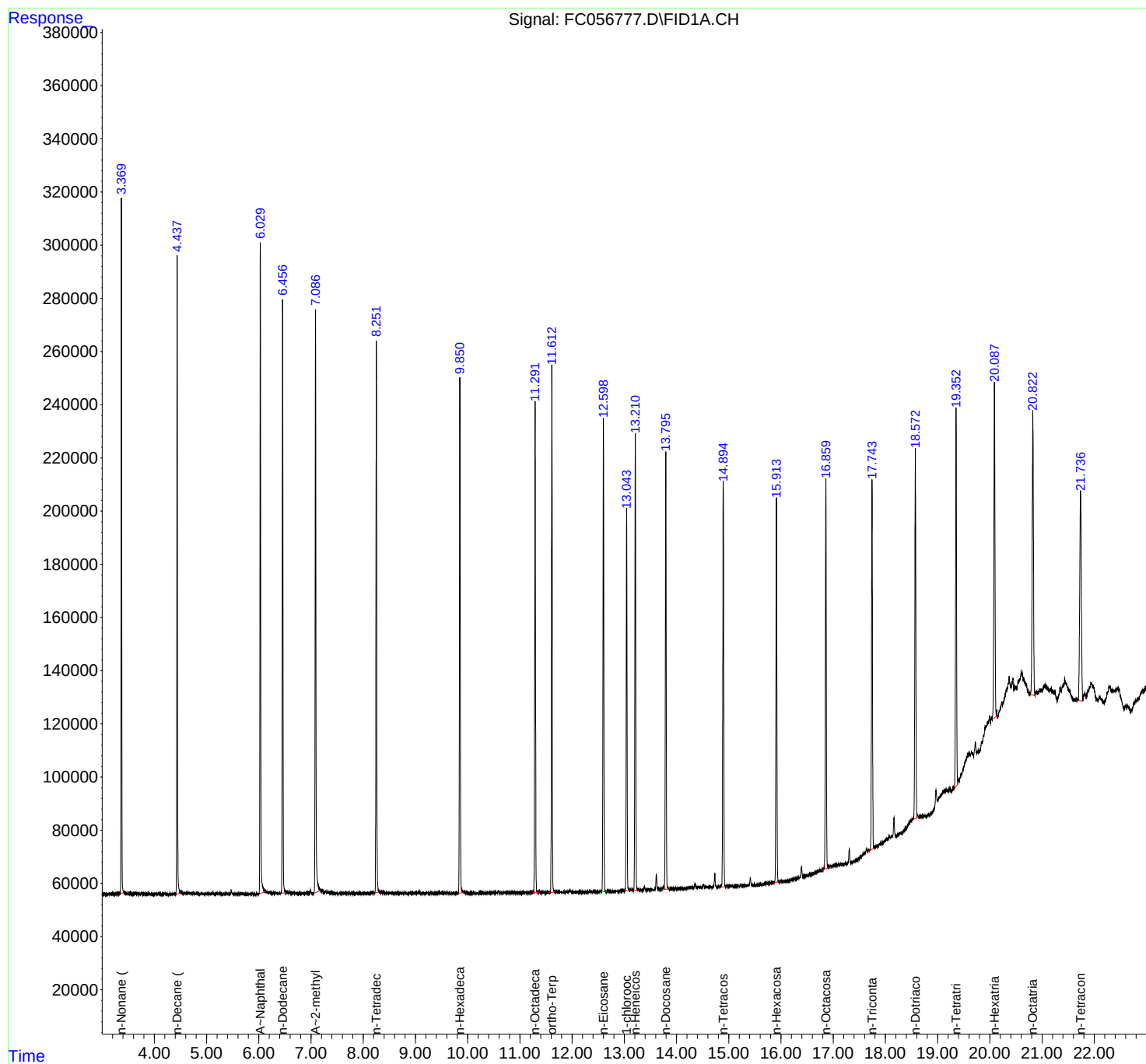
Instrument :
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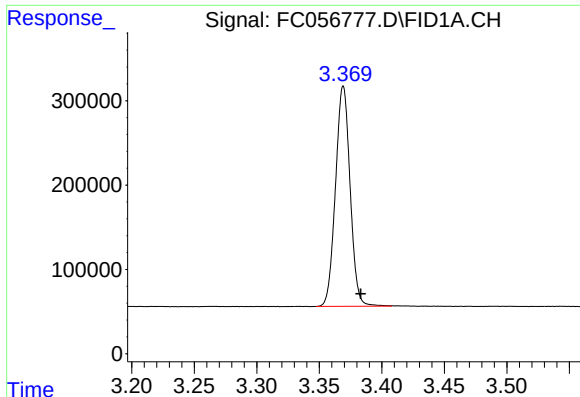
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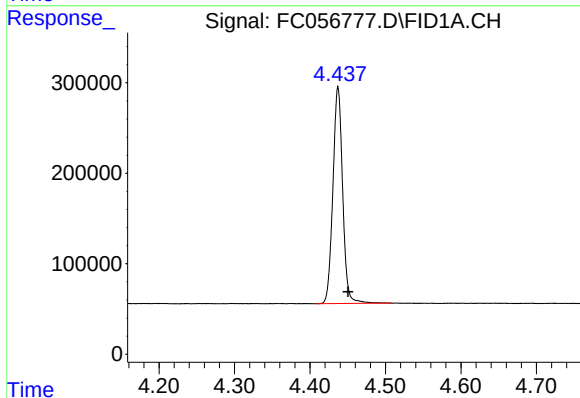
#1 n-Nonane (C9)

R.T.: 3.369 min
Delta R.T.: -0.014 min
Response: 2123958
Conc: 19.62 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

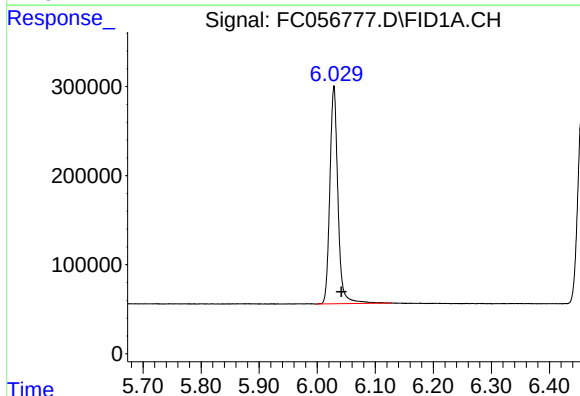
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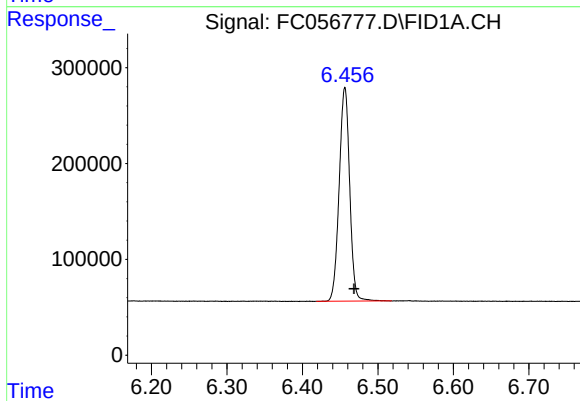
#2 n-Decane (C10)

R.T.: 4.437 min
Delta R.T.: -0.013 min
Response: 2149716
Conc: 19.96 ug/ml



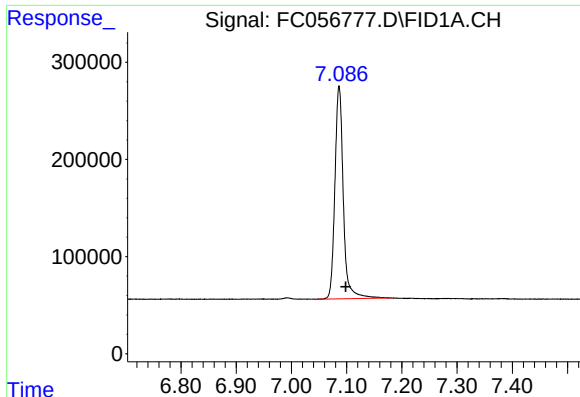
#3 A~Naphthalene (C11.7)

R.T.: 6.029 min
Delta R.T.: -0.013 min
Response: 2365388
Conc: 19.40 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.456 min
Delta R.T.: -0.013 min
Response: 2159011
Conc: 19.58 ug/ml



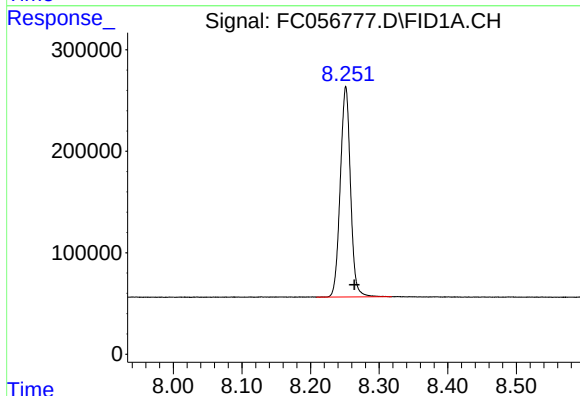
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.086 min
Delta R.T.: -0.012 min
Response: 2325481
Conc: 18.99 ug/ml

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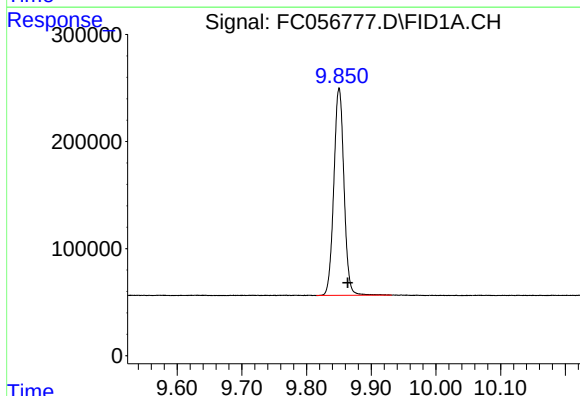
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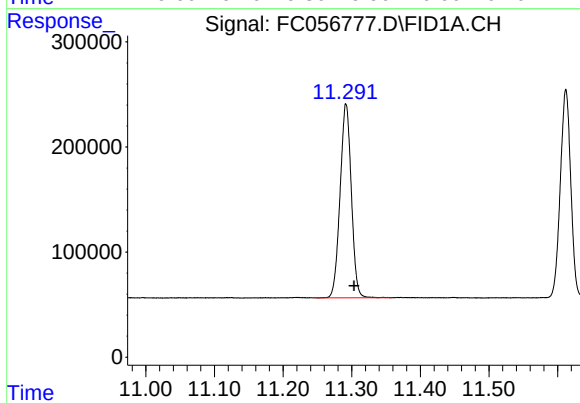
#6 n-Tetradecane (C14)

R.T.: 8.251 min
Delta R.T.: -0.013 min
Response: 2143435
Conc: 19.09 ug/ml



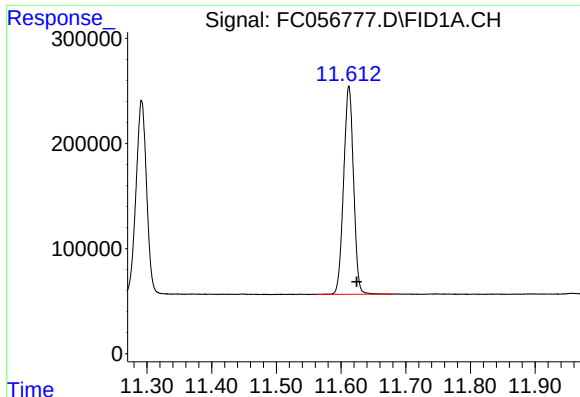
#7 n-Hexadecane (C16)

R.T.: 9.850 min
Delta R.T.: -0.013 min
Response: 2111607
Conc: 18.57 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.292 min
Delta R.T.: -0.012 min
Response: 2095308
Conc: 17.93 ug/ml



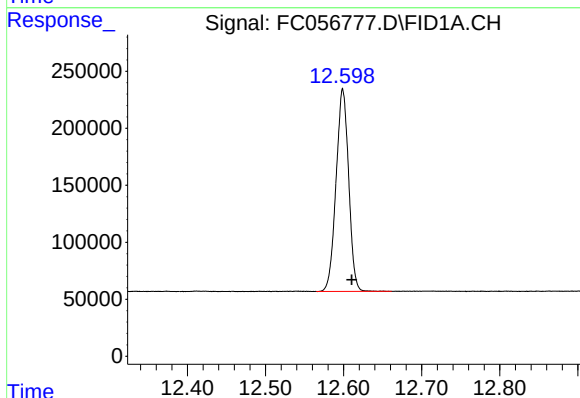
#9 ortho-Terphenyl (SURR)

R.T.: 11.612 min
Delta R.T.: -0.012 min
Response: 2110781
Conc: 17.05 ug/ml

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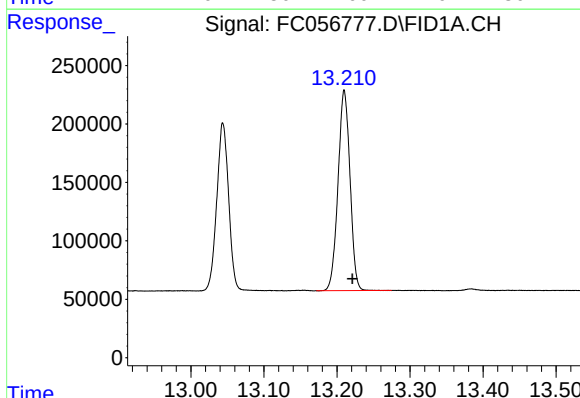
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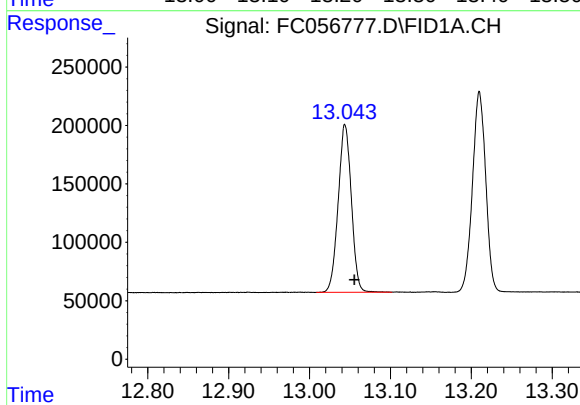
#10 n-Eicosane (C20)

R.T.: 12.599 min
Delta R.T.: -0.011 min
Response: 1990620
Conc: 17.32 ug/ml



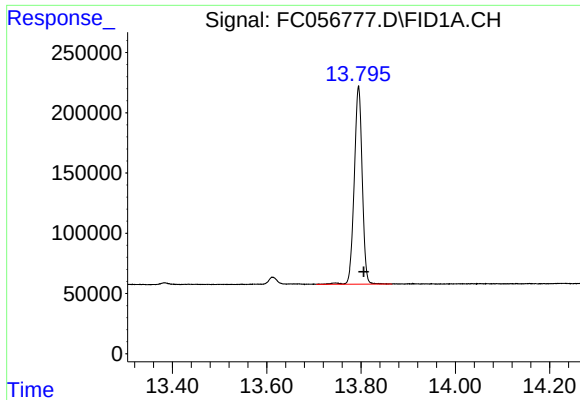
#11 n-Heneicosane (C21)

R.T.: 13.210 min
Delta R.T.: -0.011 min
Response: 1955529
Conc: 17.02 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.044 min
Delta R.T.: -0.012 min
Response: 1622729
Conc: 16.86 ug/ml



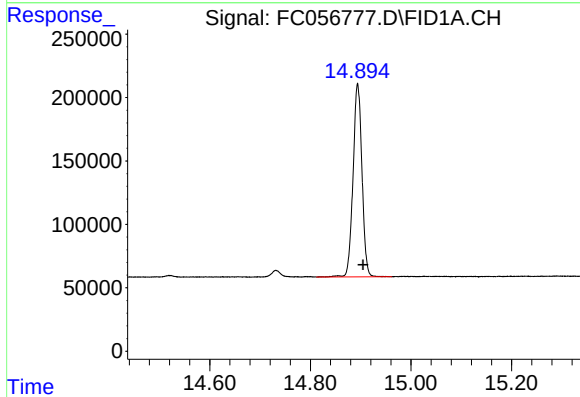
#13 n-Docosane (C22)

R.T.: 13.795 min
Delta R.T.: -0.011 min
Response: 1923454
Conc: 17.08 ug/ml

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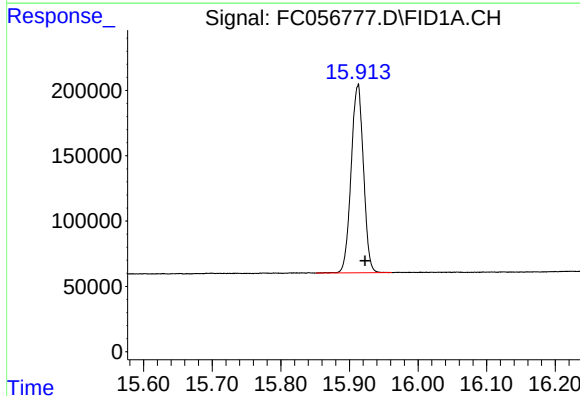
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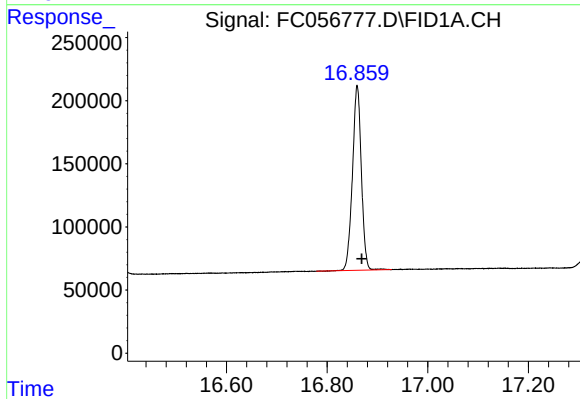
#14 n-Tetracosane (C24)

R.T.: 14.894 min
Delta R.T.: -0.011 min
Response: 1872697
Conc: 16.99 ug/ml



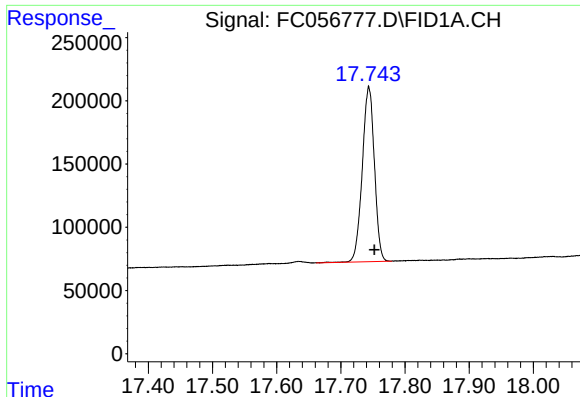
#15 n-Hexacosane (C26)

R.T.: 15.912 min
Delta R.T.: -0.011 min
Response: 1798812
Conc: 17.04 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.860 min
Delta R.T.: -0.009 min
Response: 1800271
Conc: 17.36 ug/ml



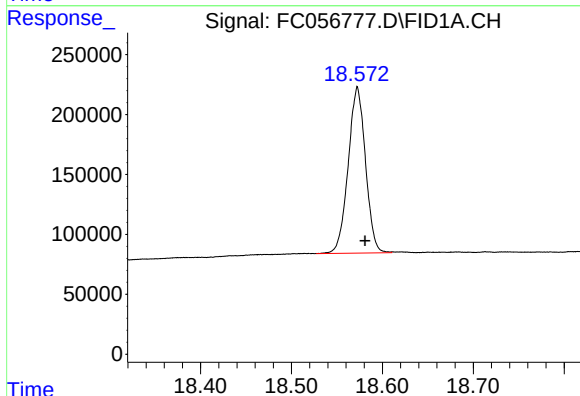
#17 n-Tricontane (C30)

R.T.: 17.744 min
Delta R.T.: -0.009 min
Response: 1814078
Conc: 17.51 ug/ml

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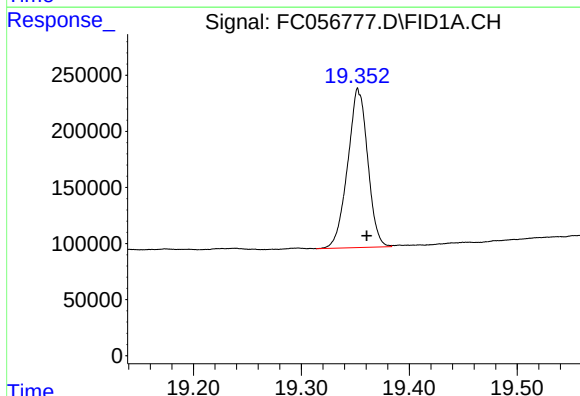
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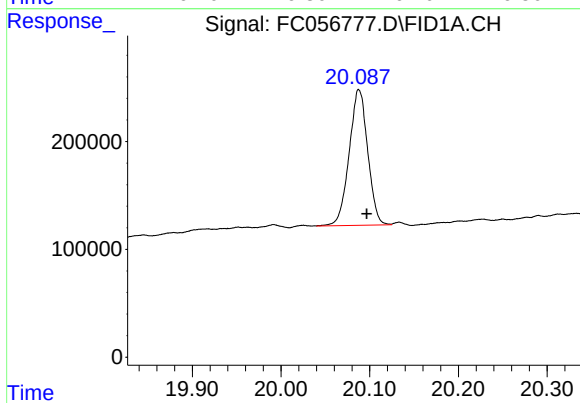
#18 n-Dotriacontane (C32)

R.T.: 18.572 min
Delta R.T.: -0.009 min
Response: 1833572
Conc: 19.14 ug/ml m



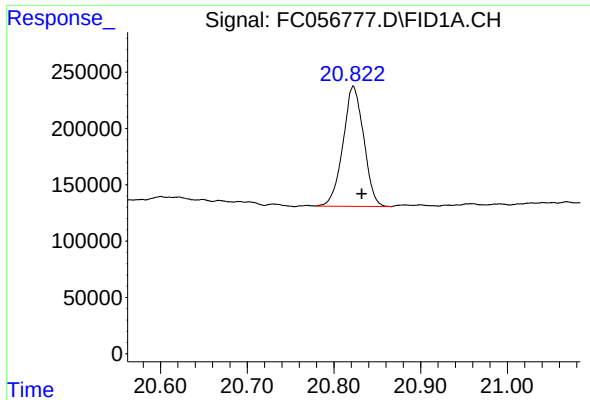
#19 n-Tetratriacontane (C34)

R.T.: 19.352 min
Delta R.T.: -0.009 min
Response: 1828389
Conc: 20.85 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.087 min
Delta R.T.: -0.010 min
Response: 1829901
Conc: 22.36 ug/ml m



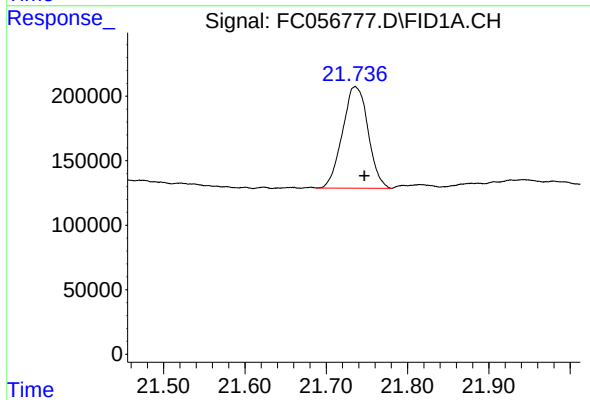
#21 n-Octatriacontane (C38)

R.T.: 20.822 min
Delta R.T.: -0.010 min
Response: 1772647
Conc: 22.16 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.736 min
Delta R.T.: -0.011 min
Response: 1724940
Conc: 20.94 ug/ml m