

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101121AL\
 Data File : FC056089.D
 Signal(s) : FID1A.CH
 Acq On : 11 Oct 2021 10:49
 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

mohammad
 10/13/2021 1:20:37 PM

Integration File: autoint1.e
 Quant Time: Oct 12 03:42:49 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 092921.M
 Quant Title : GC Extractables
 QLast Update : Thu Sep 30 01:25:44 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)	11.644	1851099	15.600 ug/ml
Spiked Amount 50.000		Recovery =	31.20%
12) S 1-chlorooctadecane (S...	13.077	1436757	15.639 ug/ml
Spiked Amount 50.000		Recovery =	31.28%
Target Compounds			
1) T n-Nonane (C9)	3.390	1959171	18.359 ug/ml
2) T n-Decane (C10)	4.460	1937259	18.123 ug/ml
3) T A~Naphthalene (C11.7)	6.056	2087108	17.346 ug/ml
4) T n-Dodecane (C12)	6.481	1908589	17.584 ug/ml
5) T A~2-methylnaphthalene...	7.114	2043256	16.821 ug/ml
6) T n-Tetradecane (C14)	8.278	1873864	16.937 ug/ml
7) T n-Hexadecane (C16)	9.879	1819953	16.442 ug/ml
8) T n-Octadecane (C18)	11.322	1802599	16.106 ug/ml
10) T n-Eicosane (C20)	12.631	1733893	15.874 ug/ml
11) T n-Heneicosane (C21)	13.243	1719455	15.815 ug/ml
13) T n-Docosane (C22)	13.828	1681528	15.745 ug/ml
14) T n-Tetracosane (C24)	14.929	1651851	15.797 ug/ml
15) T n-Hexacosane (C26)	15.947	1611677	16.041 ug/ml
16) T n-Octacosane (C28)	16.896	1600047	16.542 ug/ml
17) T n-Tricontane (C30)	17.781	1613202	17.386 ug/ml
18) T n-Dotriacontane (C32)	18.612	1593280	17.921 ug/ml
19) T n-Tetratriacontane (C34)	19.394	1571531	18.170 ug/ml
20) T n-Hexatriacontane (C36)	20.128	1478821	18.100 ug/mlm
21) T n-Octatriacontane (C38)	20.872	1367877	17.165 ug/ml
22) T n-Tetracontane (C40)	21.799	1342704	16.750 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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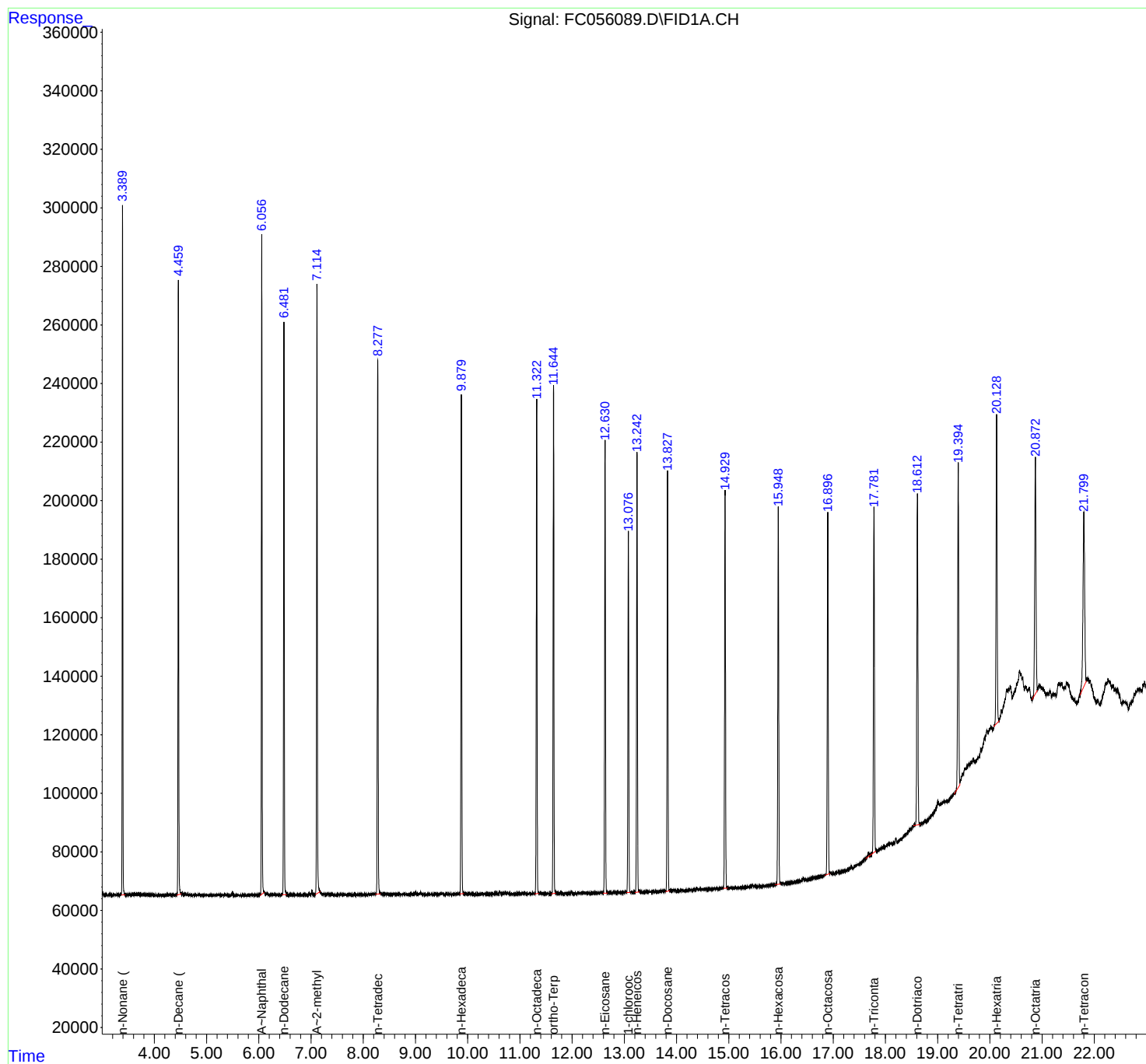
Instrument :
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20 PPM ALIPHATIC HC STD

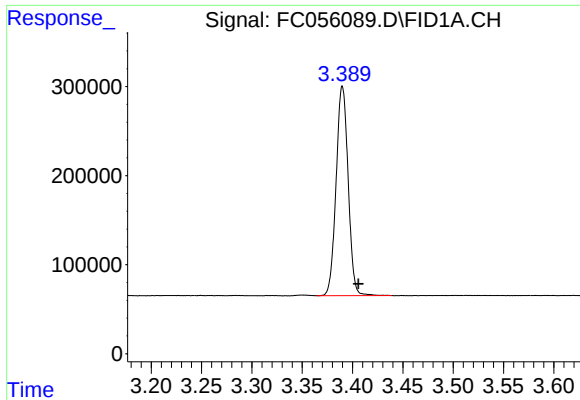
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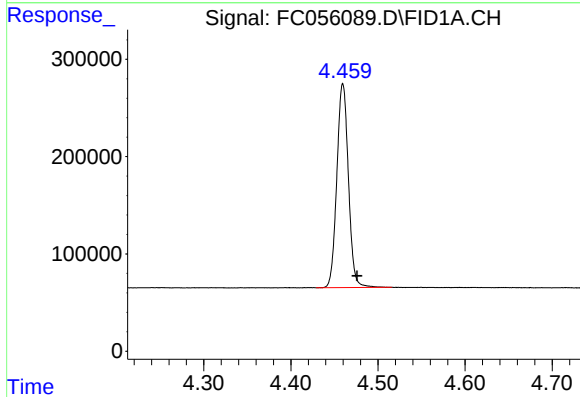
#1 n-Nonane (C9)

R.T.: 3.390 min
Delta R.T.: -0.016 min
Response: 1959171
Conc: 18.36 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

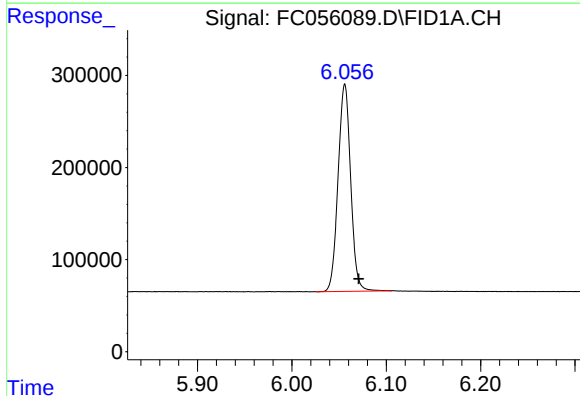
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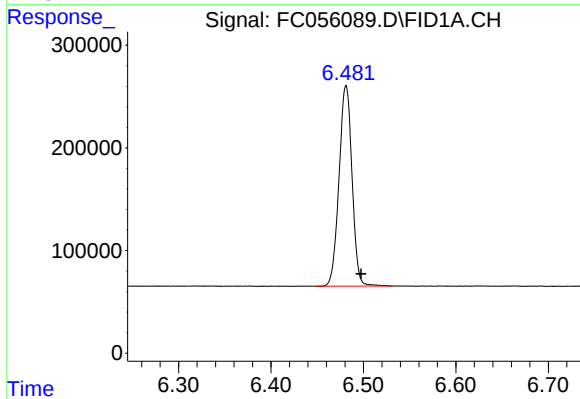
#2 n-Decane (C10)

R.T.: 4.460 min
Delta R.T.: -0.016 min
Response: 1937259
Conc: 18.12 ug/ml



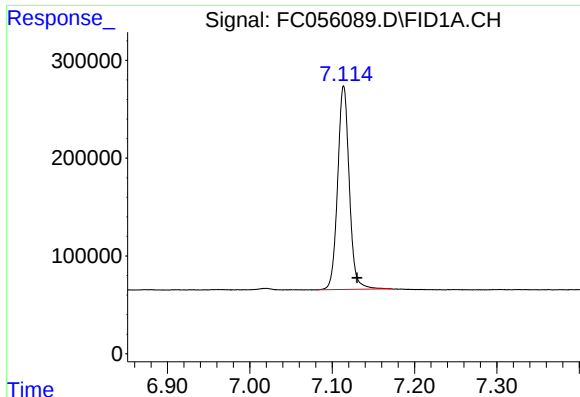
#3 A~Naphthalene (C11.7)

R.T.: 6.056 min
Delta R.T.: -0.015 min
Response: 2087108
Conc: 17.35 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.481 min
Delta R.T.: -0.016 min
Response: 1908589
Conc: 17.58 ug/ml



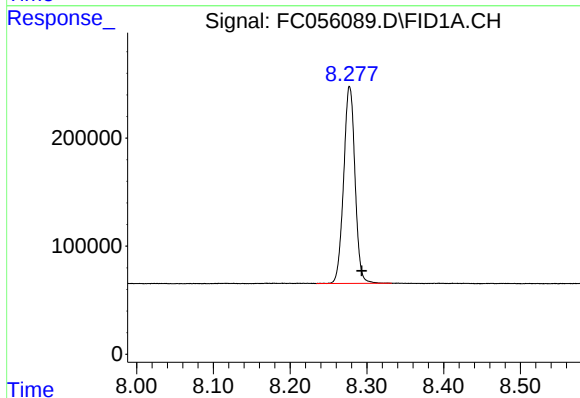
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.114 min
Delta R.T.: -0.016 min
Response: 2043256
Conc: 16.82 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

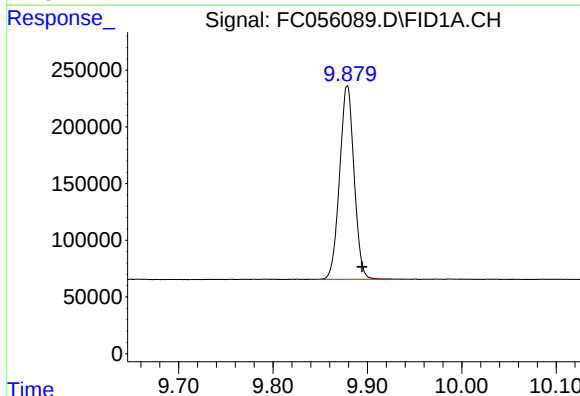
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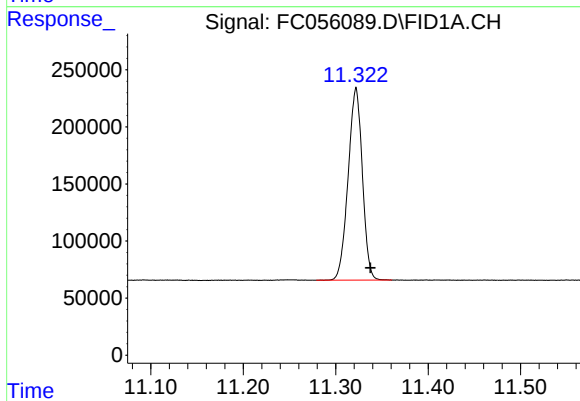
#6 n-Tetradecane (C14)

R.T.: 8.278 min
Delta R.T.: -0.016 min
Response: 1873864
Conc: 16.94 ug/ml



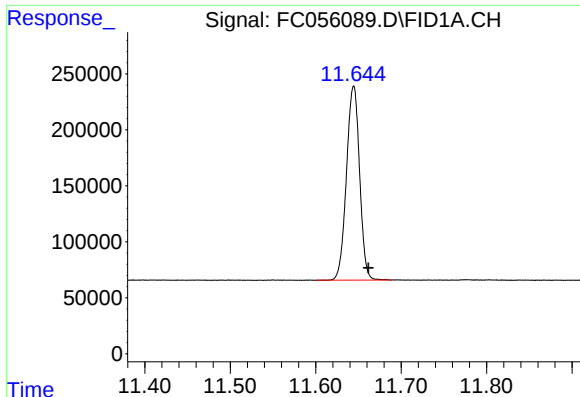
#7 n-Hexadecane (C16)

R.T.: 9.879 min
Delta R.T.: -0.016 min
Response: 1819953
Conc: 16.44 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.322 min
Delta R.T.: -0.016 min
Response: 1802599
Conc: 16.11 ug/ml



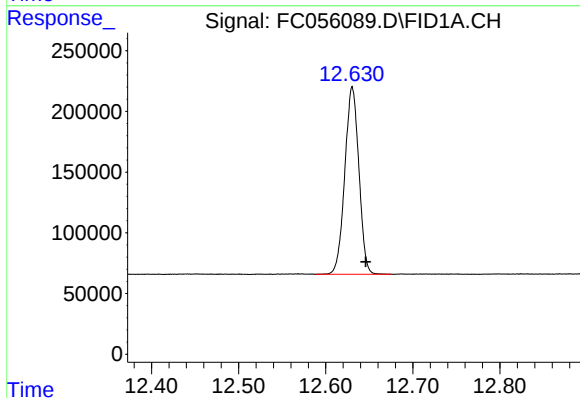
#9 ortho-Terphenyl (SURR)

R.T.: 11.644 min
Delta R.T.: -0.017 min
Response: 1851099
Conc: 15.60 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

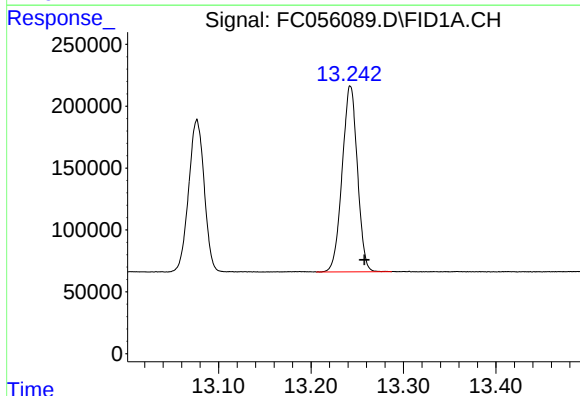
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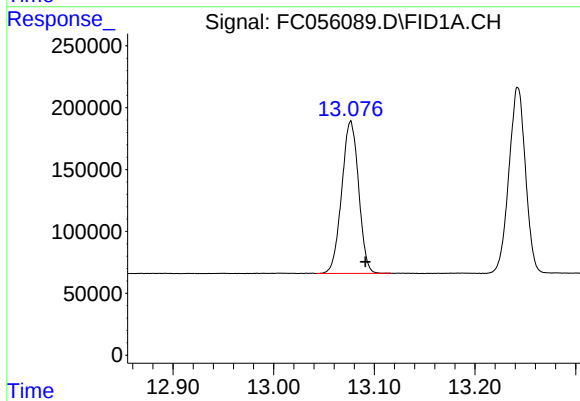
#10 n-Eicosane (C20)

R.T.: 12.631 min
Delta R.T.: -0.015 min
Response: 1733893
Conc: 15.87 ug/ml



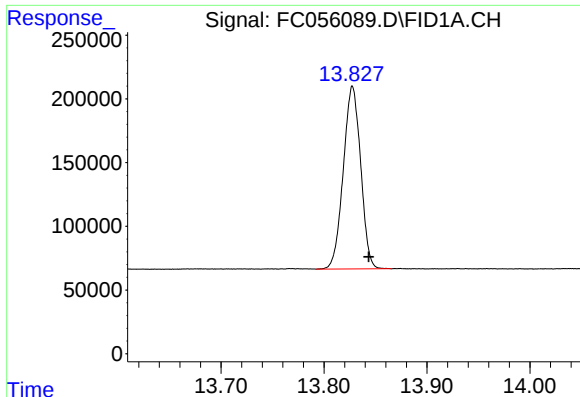
#11 n-Heneicosane (C21)

R.T.: 13.243 min
Delta R.T.: -0.015 min
Response: 1719455
Conc: 15.81 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.077 min
Delta R.T.: -0.014 min
Response: 1436757
Conc: 15.64 ug/ml



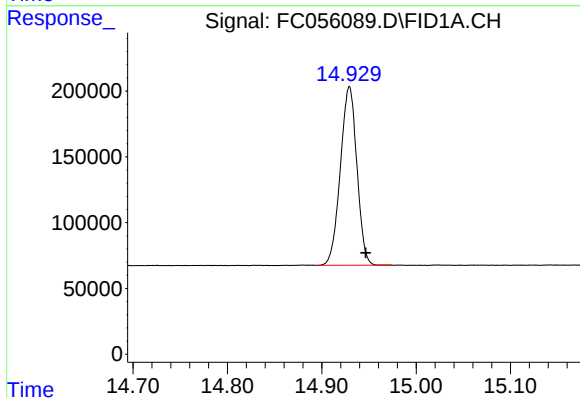
#13 n-Docosane (C22)

R.T.: 13.828 min
Delta R.T.: -0.016 min
Response: 1681528
Conc: 15.74 ug/ml

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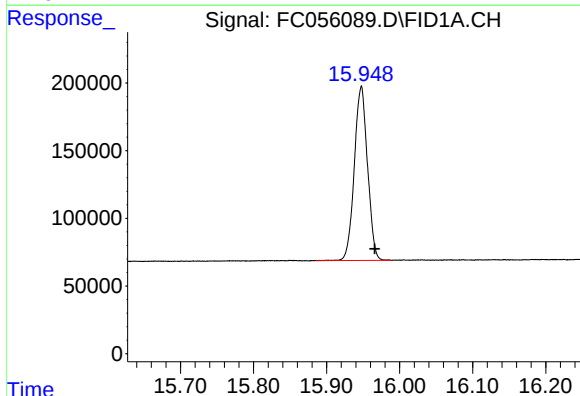
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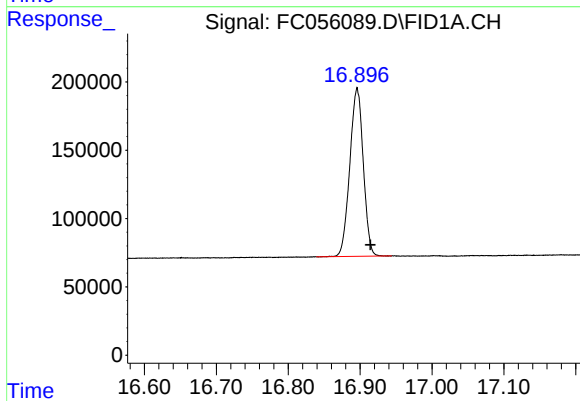
#14 n-Tetracosane (C24)

R.T.: 14.929 min
Delta R.T.: -0.017 min
Response: 1651851
Conc: 15.80 ug/ml



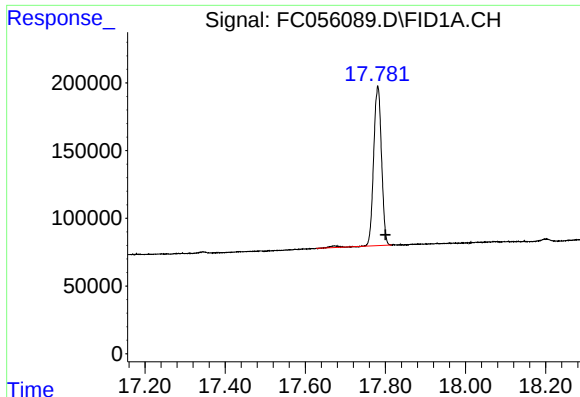
#15 n-Hexacosane (C26)

R.T.: 15.947 min
Delta R.T.: -0.019 min
Response: 1611677
Conc: 16.04 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.896 min
Delta R.T.: -0.019 min
Response: 1600047
Conc: 16.54 ug/ml



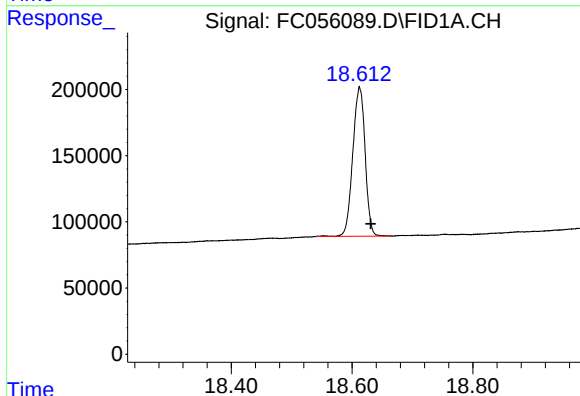
#17 n-Tricontane (C30)

R.T.: 17.781 min
Delta R.T.: -0.019 min
Response: 1613202
Conc: 17.39 ug/ml

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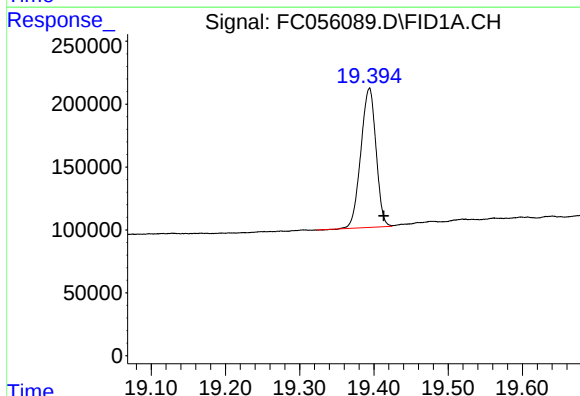
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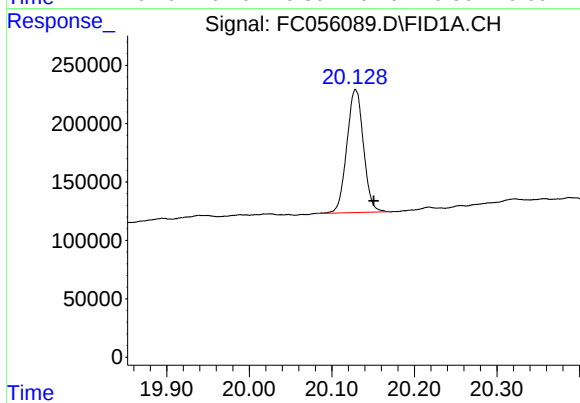
#18 n-Dotriacontane (C32)

R.T.: 18.612 min
Delta R.T.: -0.018 min
Response: 1593280
Conc: 17.92 ug/ml



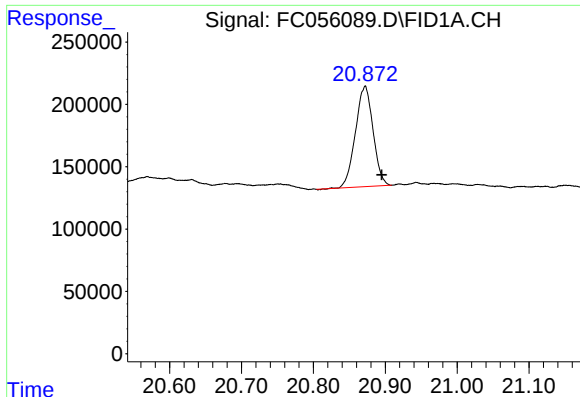
#19 n-Tetratriacontane (C34)

R.T.: 19.394 min
Delta R.T.: -0.020 min
Response: 1571531
Conc: 18.17 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.128 min
Delta R.T.: -0.023 min
Response: 1478821
Conc: 18.10 ug/ml m



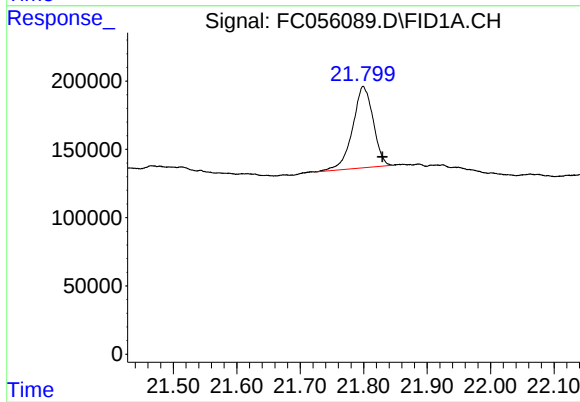
#21 n-Octatriacontane (C38)

R.T.: 20.872 min
Delta R.T.: -0.024 min
Response: 1367877
Conc: 17.17 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.799 min
Delta R.T.: -0.030 min
Response: 1342704
Conc: 16.75 ug/ml m