

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101921AL\
 Data File : FC056264.D
 Signal(s) : FID1A.CH
 Acq On : 19 Oct 2021 19:01
 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 10/20/2021
 Supervised By :mohammad ahmed 10/20/2021

Integration File: autoint1.e
 Quant Time: Oct 20 00:44:56 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)	11.628	1863412	15.704 ug/ml
Spiked Amount 50.000		Recovery =	31.41%
12) S 1-chlorooctadecane (S...	13.060	1432004	15.587 ug/ml
Spiked Amount 50.000		Recovery =	31.17%
Target Compounds			
1) T n-Nonane (C9)	3.386	2007717	18.814 ug/ml
2) T n-Decane (C10)	4.453	1985074	18.570 ug/ml
3) T A~Naphthalene (C11.7)	6.044	2126889	17.677 ug/ml
4) T n-Dodecane (C12)	6.472	1959433	18.053 ug/ml
5) T A~2-methylnaphthalene...	7.101	2062783	16.981 ug/ml
6) T n-Tetradecane (C14)	8.267	1903481	17.205 ug/ml
7) T n-Hexadecane (C16)	9.867	1838231	16.607 ug/ml
8) T n-Octadecane (C18)	11.307	1819872	16.260 ug/ml
10) T n-Eicosane (C20)	12.615	1734663	15.881 ug/ml
11) T n-Heneicosane (C21)	13.226	1718180	15.803 ug/ml
13) T n-Docosane (C22)	13.811	1685166	15.779 ug/ml
14) T n-Tetracosane (C24)	14.910	1660774	15.882 ug/ml
15) T n-Hexacosane (C26)	15.929	1635082	16.274 ug/ml
16) T n-Octacosane (C28)	16.875	1638450	16.939 ug/ml
17) T n-Tricontane (C30)	17.760	1649263	17.775 ug/mlm
18) T n-Dotriacontane (C32)	18.588	1643697	18.488 ug/ml
19) T n-Tetratriacontane (C34)	19.368	1610775	18.624 ug/ml
20) T n-Hexatriacontane (C36)	20.103	1507836	18.455 ug/ml
21) T n-Octatriacontane (C38)	20.839	1410940	17.706 ug/ml
22) T n-Tetracontane (C40)	21.759	1452978	18.126 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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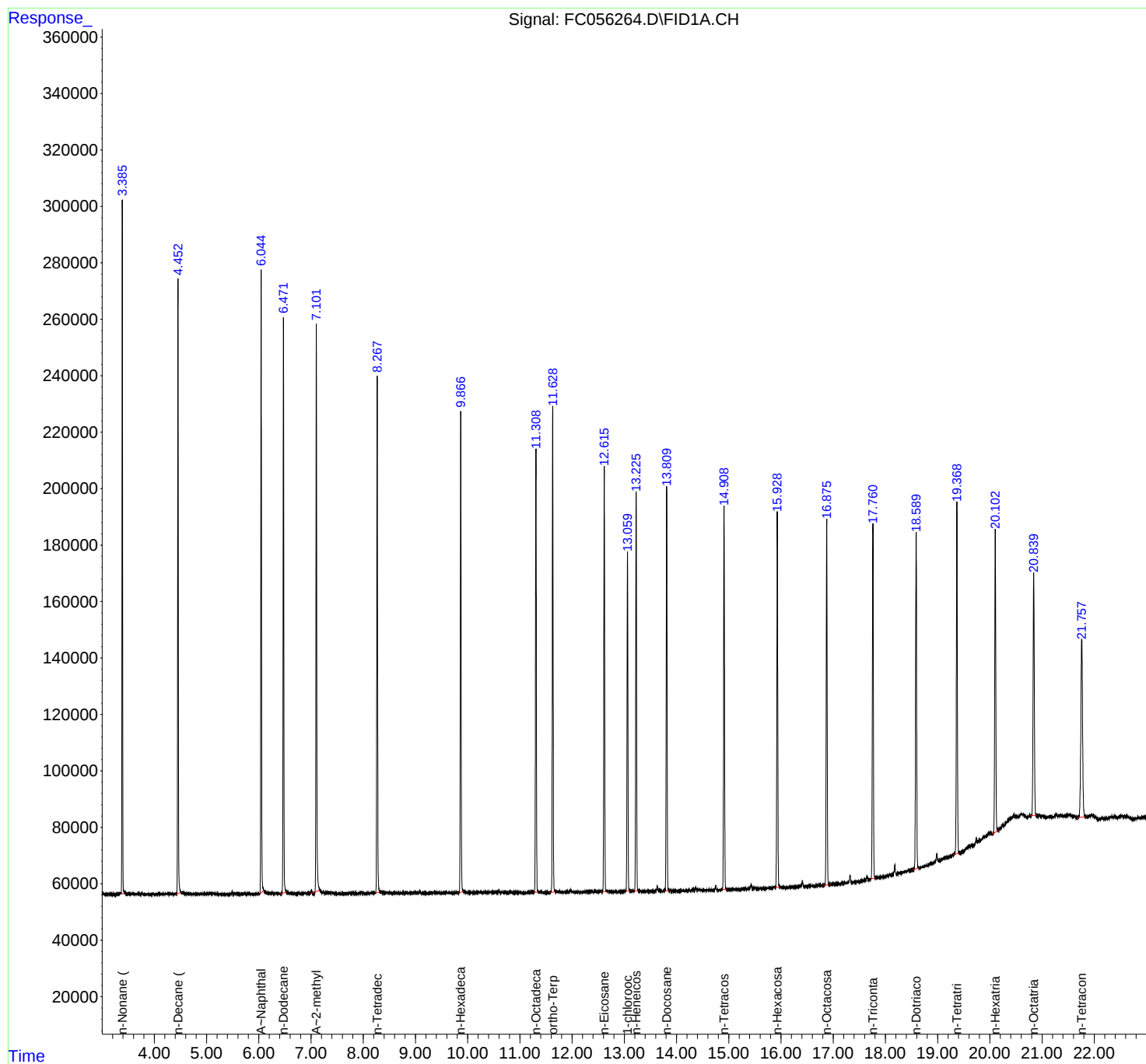
Instrument :
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20 PPM ALIPHATIC HC STD

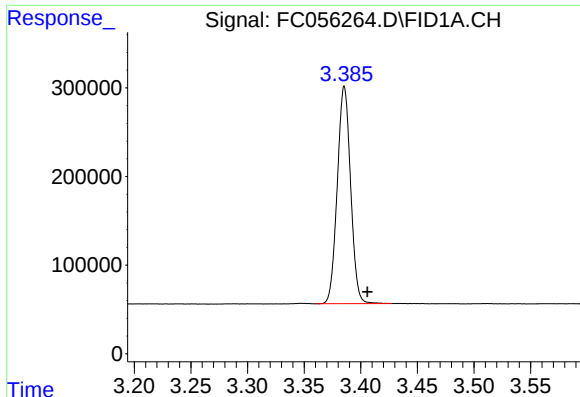
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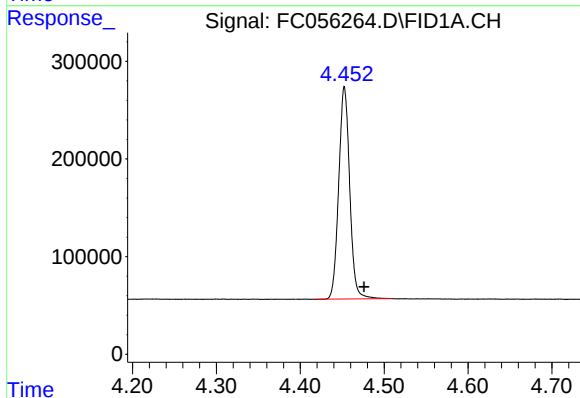
#1 n-Nonane (C9)

R.T.: 3.386 min
Delta R.T.: -0.020 min
Response: 2007717
Conc: 18.81 ug/ml

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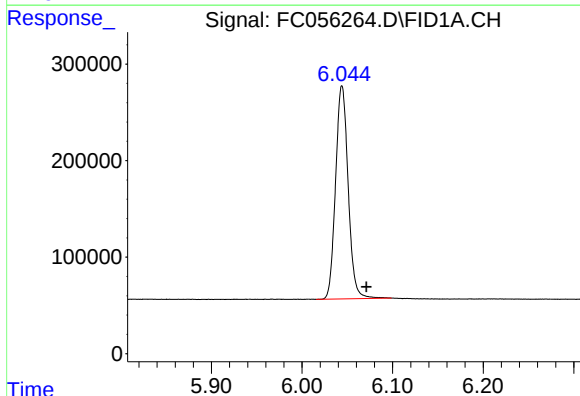
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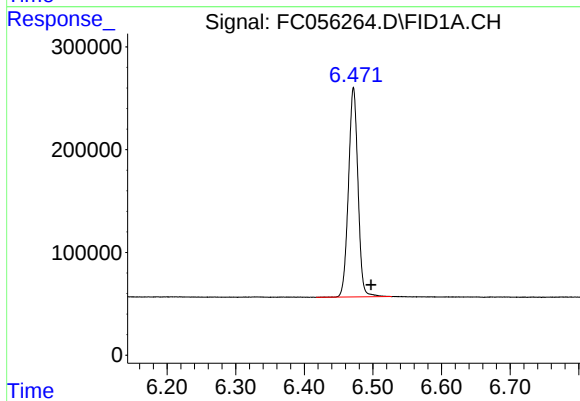
#2 n-Decane (C10)

R.T.: 4.453 min
Delta R.T.: -0.023 min
Response: 1985074
Conc: 18.57 ug/ml



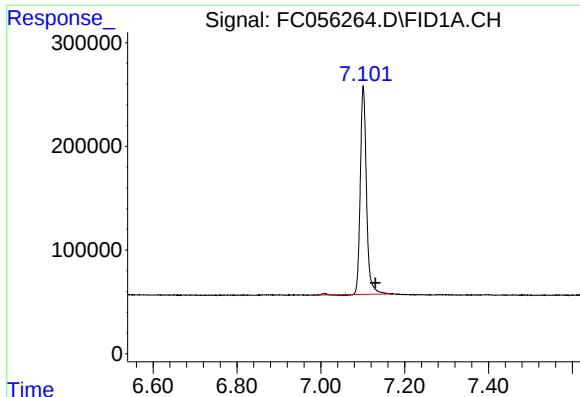
#3 A~Naphthalene (C11.7)

R.T.: 6.044 min
Delta R.T.: -0.027 min
Response: 2126889
Conc: 17.68 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.472 min
Delta R.T.: -0.026 min
Response: 1959433
Conc: 18.05 ug/ml



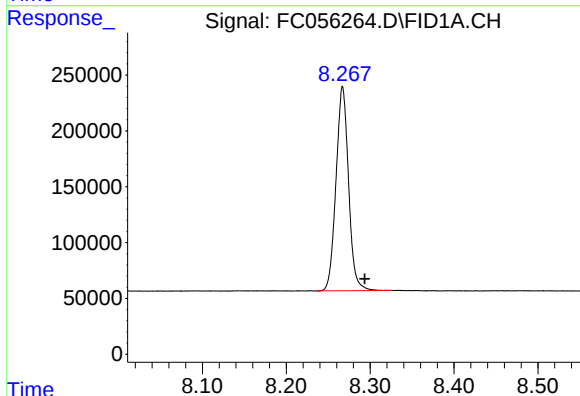
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.101 min
Delta R.T.: -0.029 min
Response: 2062783
Conc: 16.98 ug/ml

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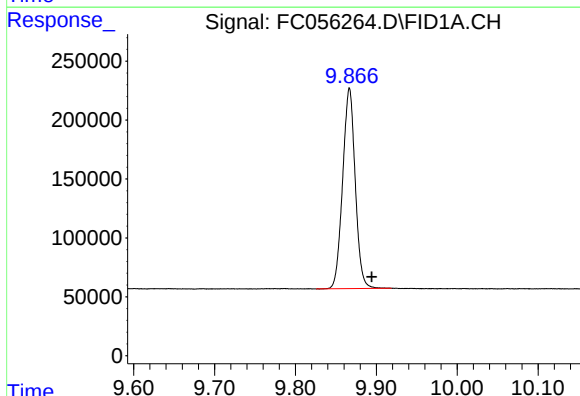
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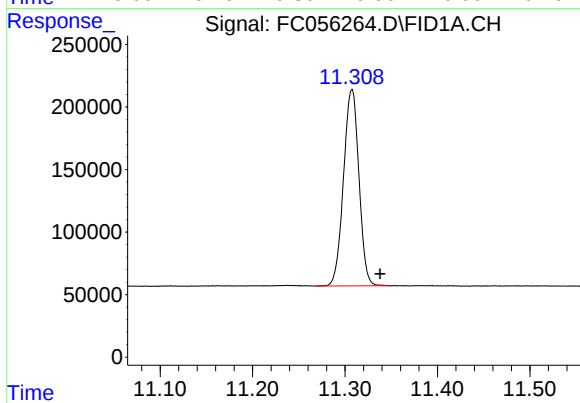
#6 n-Tetradecane (C14)

R.T.: 8.267 min
Delta R.T.: -0.026 min
Response: 1903481
Conc: 17.21 ug/ml



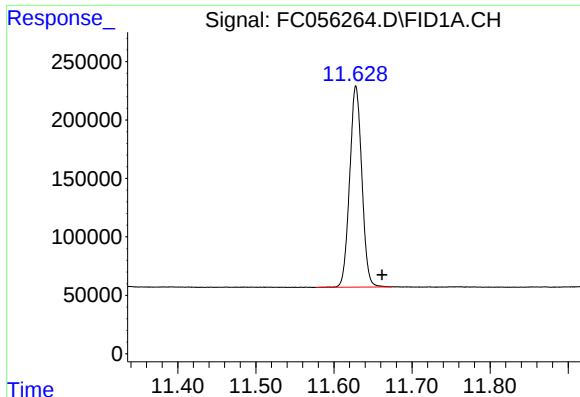
#7 n-Hexadecane (C16)

R.T.: 9.867 min
Delta R.T.: -0.028 min
Response: 1838231
Conc: 16.61 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.307 min
Delta R.T.: -0.030 min
Response: 1819872
Conc: 16.26 ug/ml



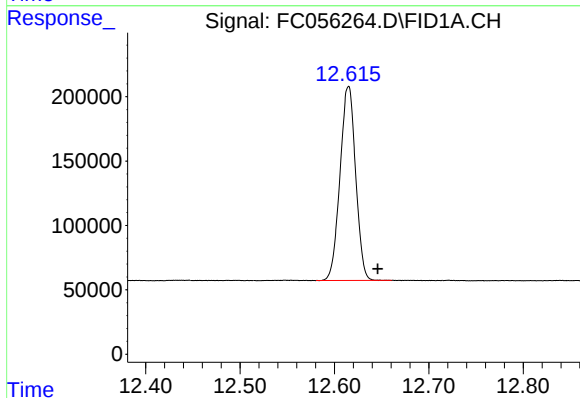
#9 ortho-Terphenyl (SURR)

R.T.: 11.628 min
Delta R.T.: -0.033 min
Response: 1863412
Conc: 15.70 ug/ml

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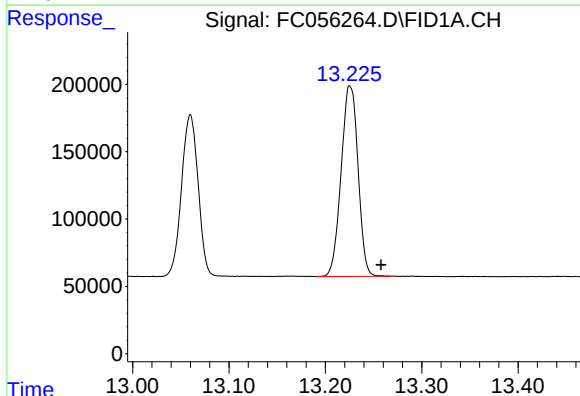
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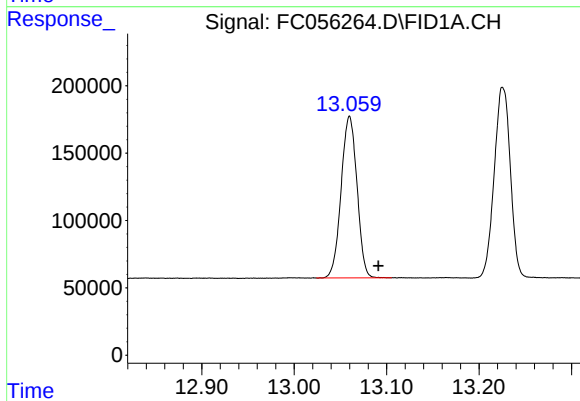
#10 n-Eicosane (C20)

R.T.: 12.615 min
Delta R.T.: -0.031 min
Response: 1734663
Conc: 15.88 ug/ml



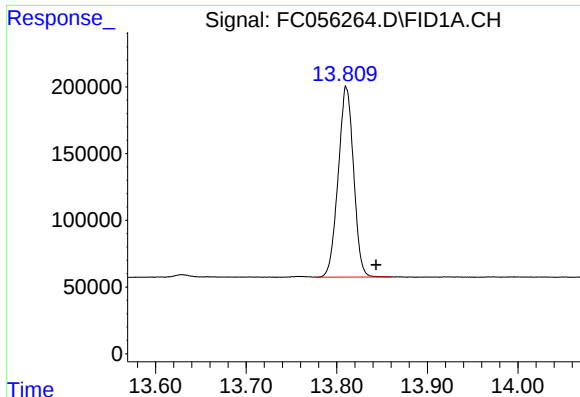
#11 n-Heneicosane (C21)

R.T.: 13.226 min
Delta R.T.: -0.032 min
Response: 1718180
Conc: 15.80 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.060 min
Delta R.T.: -0.031 min
Response: 1432004
Conc: 15.59 ug/ml



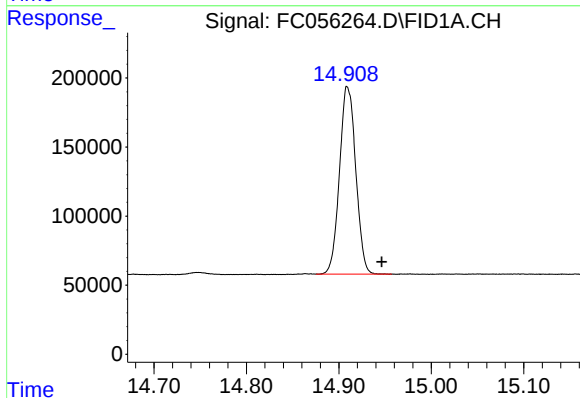
#13 n-Docosane (C22)

R.T.: 13.811 min
Delta R.T.: -0.033 min
Response: 1685166
Conc: 15.78 ug/ml

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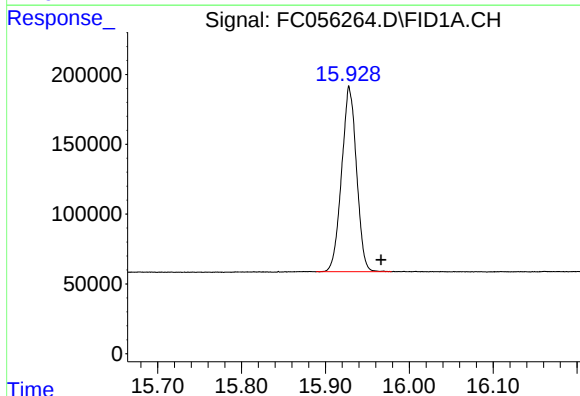
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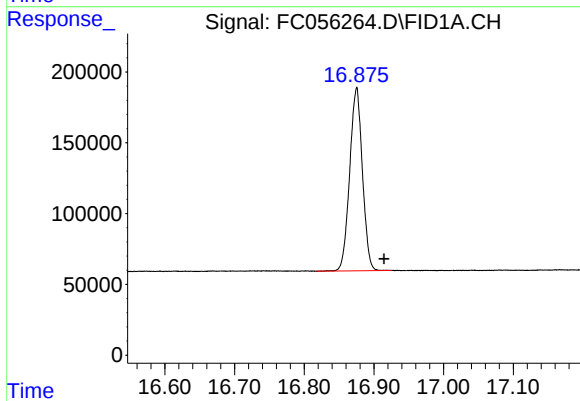
#14 n-Tetracosane (C24)

R.T.: 14.910 min
Delta R.T.: -0.037 min
Response: 1660774
Conc: 15.88 ug/ml



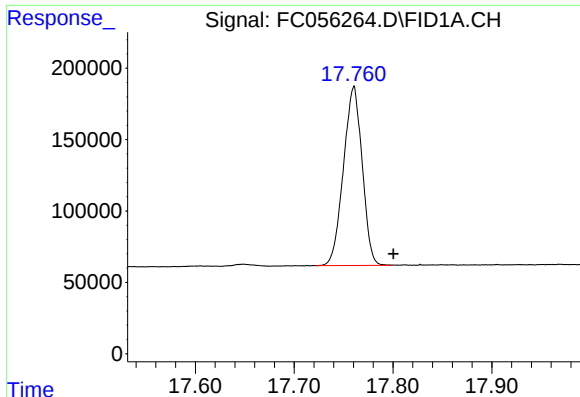
#15 n-Hexacosane (C26)

R.T.: 15.929 min
Delta R.T.: -0.037 min
Response: 1635082
Conc: 16.27 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.875 min
Delta R.T.: -0.040 min
Response: 1638450
Conc: 16.94 ug/ml



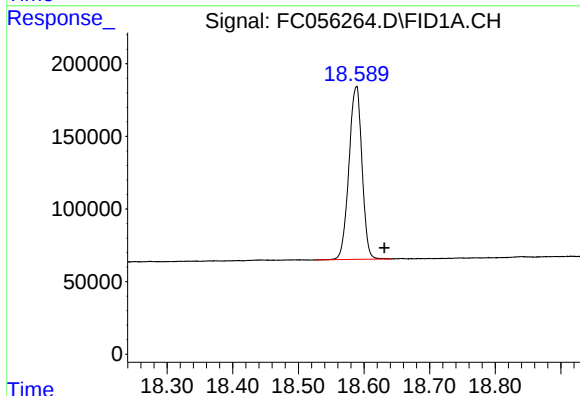
#17 n-Tricontane (C30)

R.T.: 17.760 min
Delta R.T.: -0.040 min
Response: 1649263
Conc: 17.78 ug/ml

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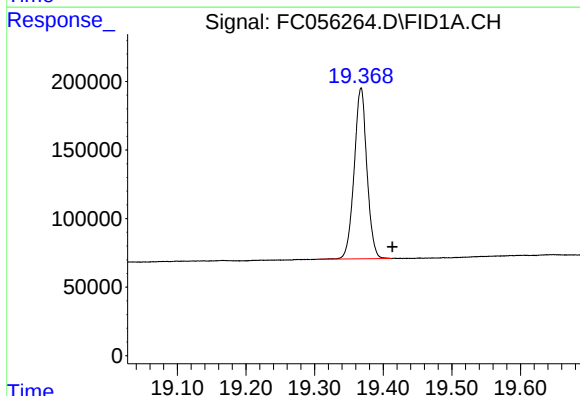
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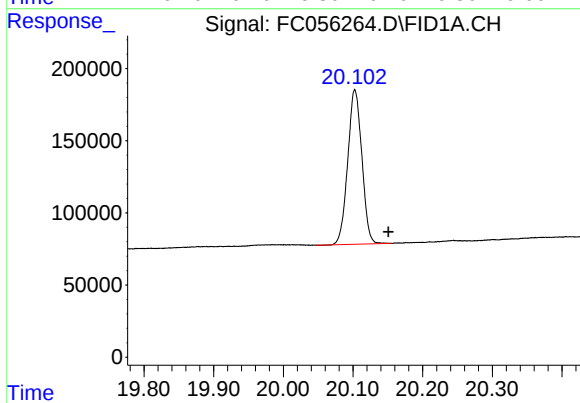
#18 n-Dotriacontane (C32)

R.T.: 18.588 min
Delta R.T.: -0.043 min
Response: 1643697
Conc: 18.49 ug/ml



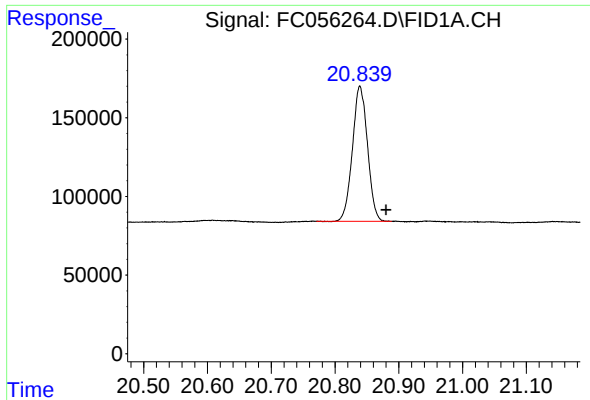
#19 n-Tetratriacontane (C34)

R.T.: 19.368 min
Delta R.T.: -0.046 min
Response: 1610775
Conc: 18.62 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.103 min
Delta R.T.: -0.048 min
Response: 1507836
Conc: 18.46 ug/ml



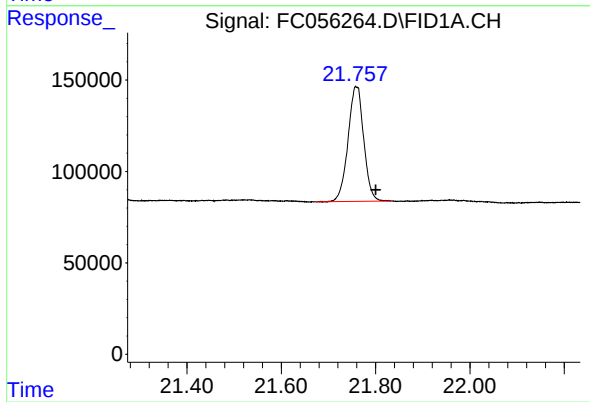
#21 n-Octatriacontane (C38)

R.T.: 20.839 min
Delta R.T.: -0.041 min
Response: 1410940
Conc: 17.71 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.759 min
Delta R.T.: -0.041 min
Response: 1452978
Conc: 18.13 ug/ml