

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F121924AL\
 Data File : FC068044.D
 Signal(s) : FID1A.ch
 Acq On : 19 Dec 2024 12:20
 Operator : YP/AJ
 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 12/20/2024
 Supervised By :Ankita Jodhani 12/20/2024

Integration File: autoint1.e
 Quant Time: Dec 20 00:39:03 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 10 07:59:10 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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)	11.429	2957462	17.104 ug/ml
Spiked Amount 50.000		Recovery =	34.21%
12) S 1-chlorooctadecane (S...	12.870	2195754	17.209 ug/ml
Spiked Amount 50.000		Recovery =	34.42%
Target Compounds			
1) T n-Nonane (C9)	3.220	2589364	16.666 ug/ml
2) T n-Decane (C10)	4.281	2664066	16.805 ug/ml
3) T A~Naphthalene (C11.7)	5.852	2930649	16.787 ug/ml
4) T n-Dodecane (C12)	6.293	2688411	16.697 ug/ml
5) T A~2-methylnaphthalene...	6.906	2831284	16.898 ug/ml
6) T n-Tetradecane (C14)	8.085	2665573	16.765 ug/ml
7) T n-Hexadecane (C16)	9.682	2740858	16.966 ug/ml
8) T n-Octadecane (C18)	11.122	2734155	17.031 ug/ml
10) T n-Eicosane (C20)	12.429	2589572	17.215 ug/ml
11) T n-Heneicosane (C21)	13.040	2521034	17.254 ug/ml
13) T n-Docosane (C22)	13.625	2489121	17.389 ug/ml
14) T n-Tetracosane (C24)	14.726	2453791	17.660 ug/ml
15) T n-Hexacosane (C26)	15.745	2406809	17.997 ug/ml
16) T n-Octacosane (C28)	16.694	2485125	19.159 ug/mlm
17) T n-Tricontane (C30)	17.580	2691959	20.780 ug/ml
18) T n-Dotriacontane (C32)	18.413	2690276	21.716 ug/ml
19) T n-Tetratriacontane (C34)	19.195	2338289	21.423 ug/ml
20) T n-Hexatriacontane (C36)	19.929	1955179	20.666 ug/mlm
21) T n-Octatriacontane (C38)	20.645	1762119	19.479 ug/ml
22) T n-Tetracontane (C40)	21.509	1697800	19.263 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

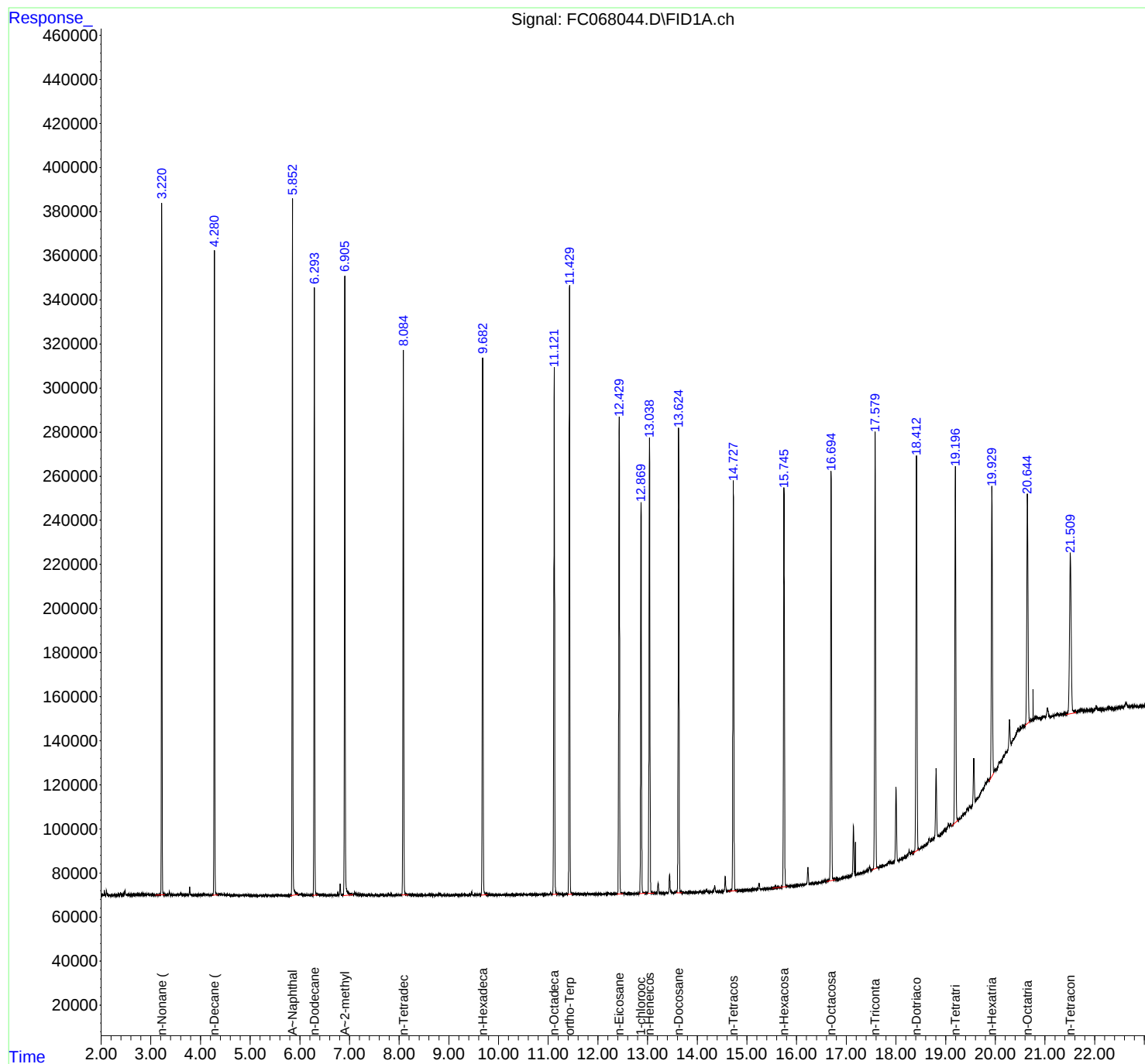
Instrument :
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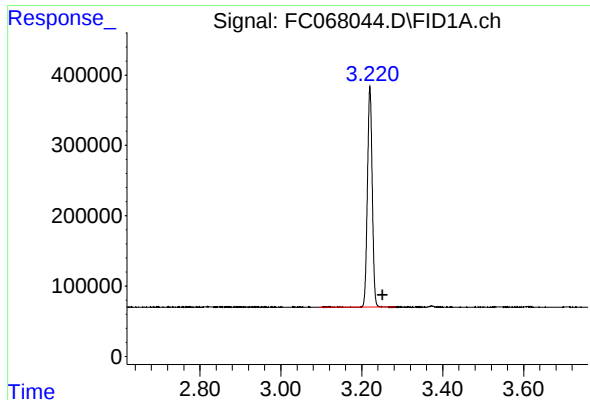
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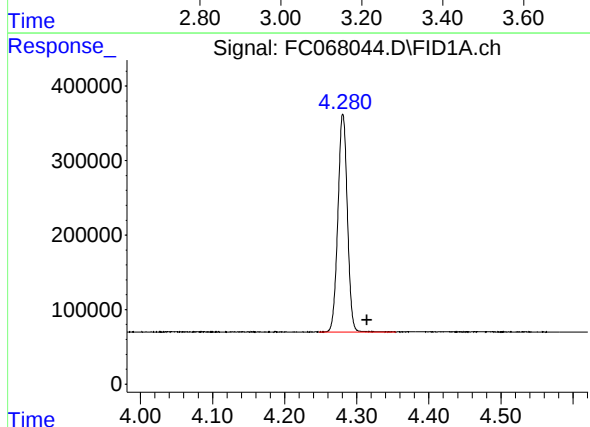
#1 n-Nonane (C9)

R.T.: 3.220 min
Delta R.T.: -0.032 min
Response: 2589364
Conc: 16.67 ug/ml

Instrument :
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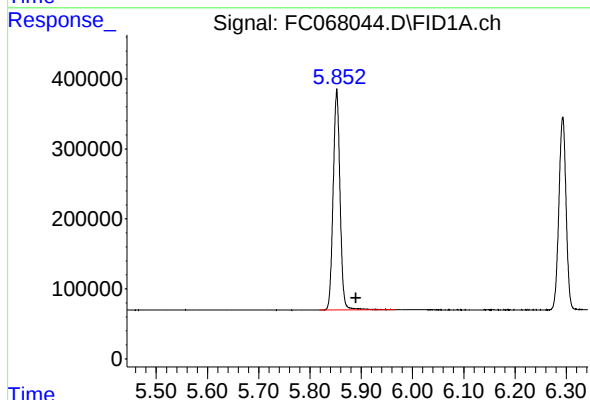
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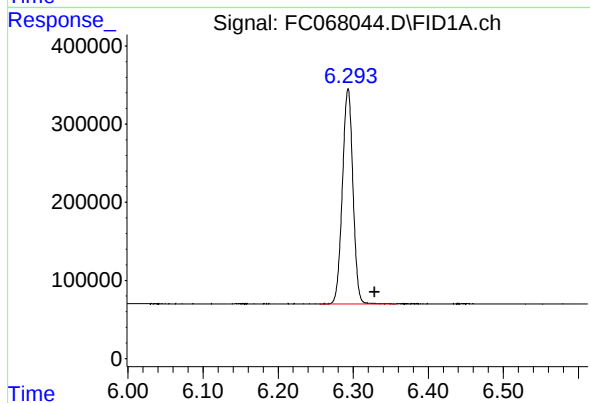
#2 n-Decane (C10)

R.T.: 4.281 min
Delta R.T.: -0.033 min
Response: 2664066
Conc: 16.81 ug/ml



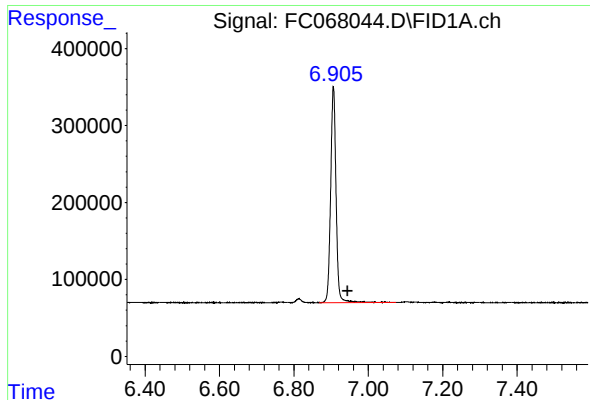
#3 A~Naphthalene (C11.7)

R.T.: 5.852 min
Delta R.T.: -0.037 min
Response: 2930649
Conc: 16.79 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.293 min
Delta R.T.: -0.035 min
Response: 2688411
Conc: 16.70 ug/ml



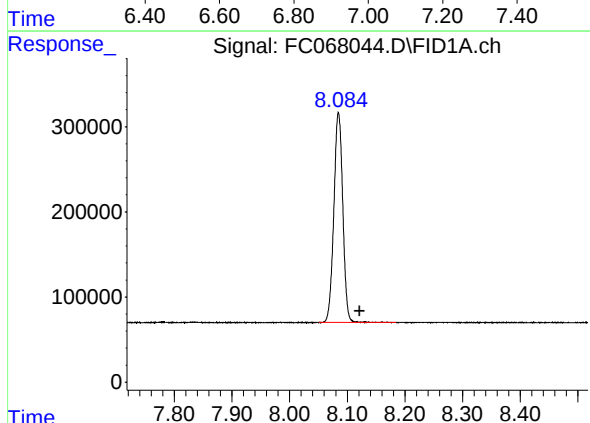
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.906 min
Delta R.T.: -0.038 min
Response: 2831284
Conc: 16.90 ug/ml

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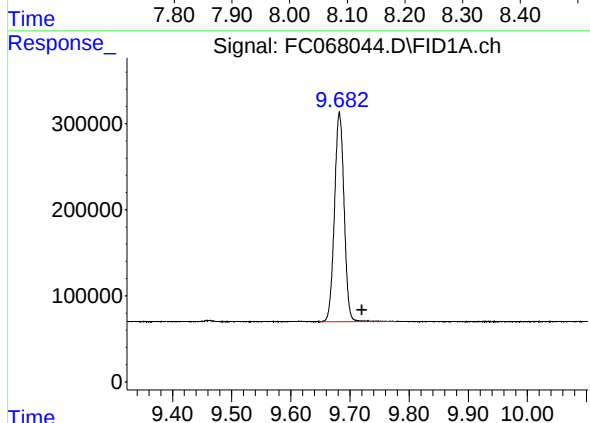
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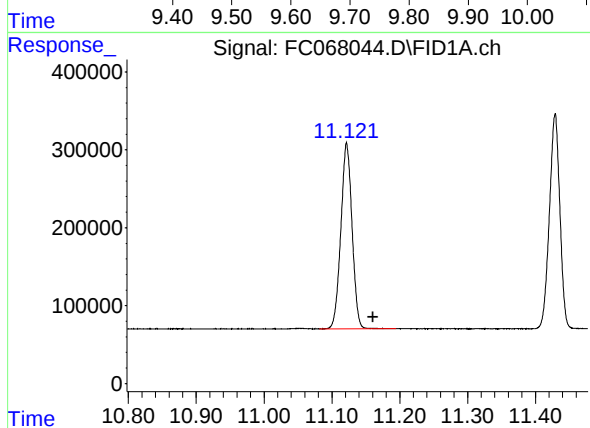
#6 n-Tetradecane (C14)

R.T.: 8.085 min
Delta R.T.: -0.037 min
Response: 2665573
Conc: 16.76 ug/ml



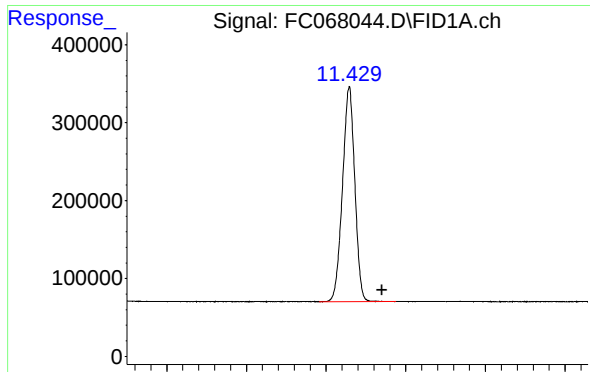
#7 n-Hexadecane (C16)

R.T.: 9.682 min
Delta R.T.: -0.038 min
Response: 2740858
Conc: 16.97 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.122 min
Delta R.T.: -0.038 min
Response: 2734155
Conc: 17.03 ug/ml



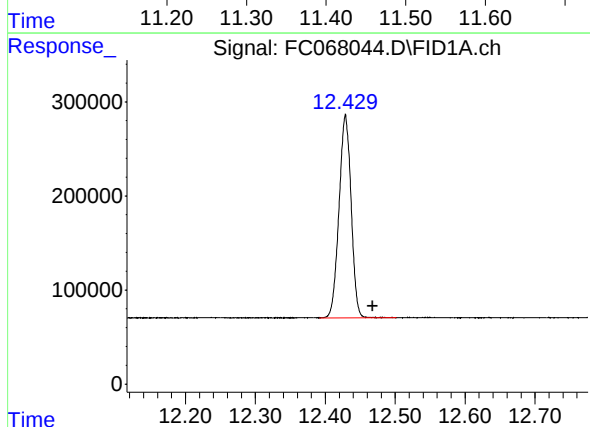
#9 ortho-Terphenyl (SURR)

R.T.: 11.429 min
Delta R.T.: -0.041 min
Response: 2957462
Conc: 17.10 ug/ml

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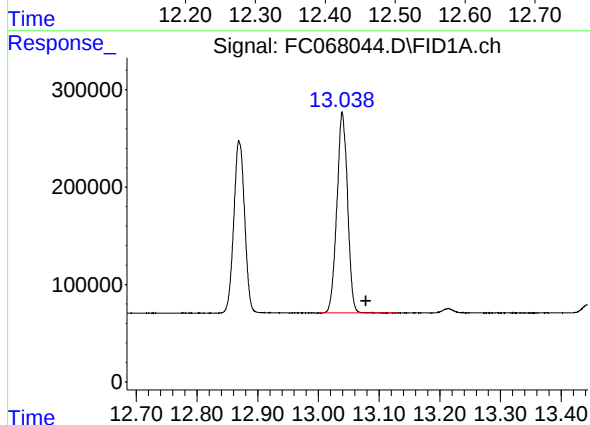
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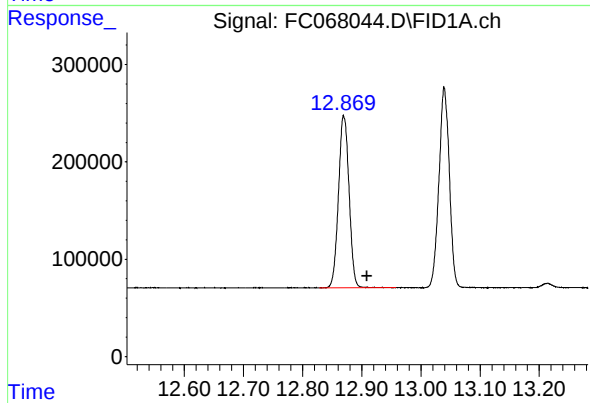
#10 n-Eicosane (C20)

R.T.: 12.429 min
Delta R.T.: -0.039 min
Response: 2589572
Conc: 17.21 ug/ml



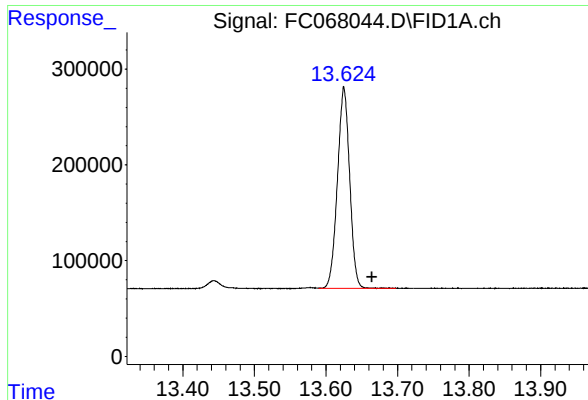
#11 n-Heneicosane (C21)

R.T.: 13.040 min
Delta R.T.: -0.039 min
Response: 2521034
Conc: 17.25 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.870 min
Delta R.T.: -0.039 min
Response: 2195754
Conc: 17.21 ug/ml



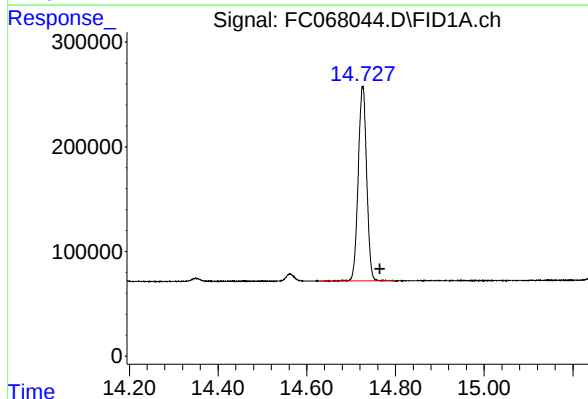
#13 n-Docosane (C22)

R.T.: 13.625 min
Delta R.T.: -0.039 min
Response: 2489121
Conc: 17.39 ug/ml

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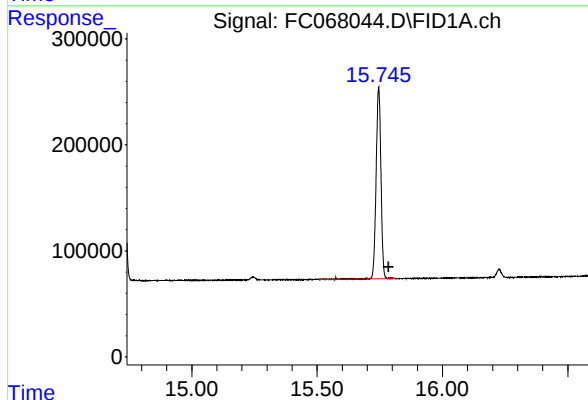
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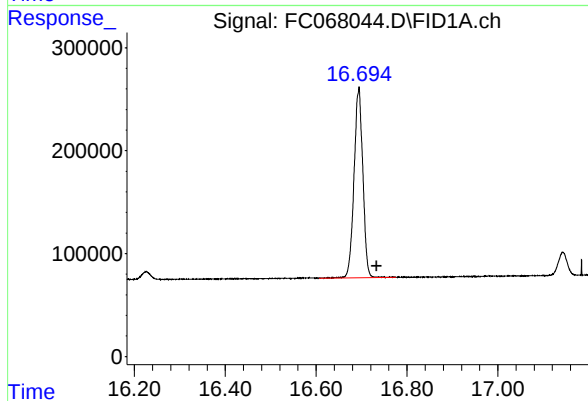
#14 n-Tetracosane (C24)

R.T.: 14.726 min
Delta R.T.: -0.039 min
Response: 2453791
Conc: 17.66 ug/ml



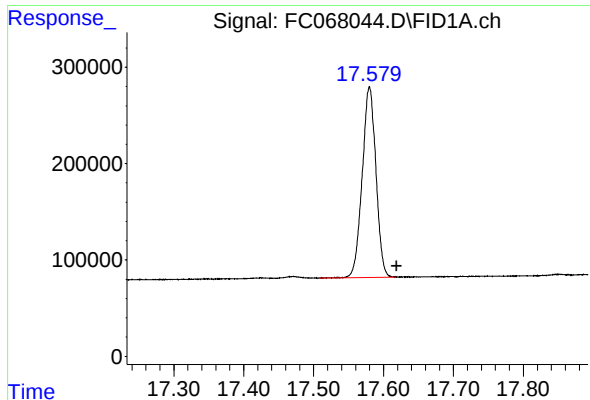
#15 n-Hexacosane (C26)

R.T.: 15.745 min
Delta R.T.: -0.039 min
Response: 2406809
Conc: 18.00 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.694 min
Delta R.T.: -0.039 min
Response: 2485125
Conc: 19.16 ug/ml m



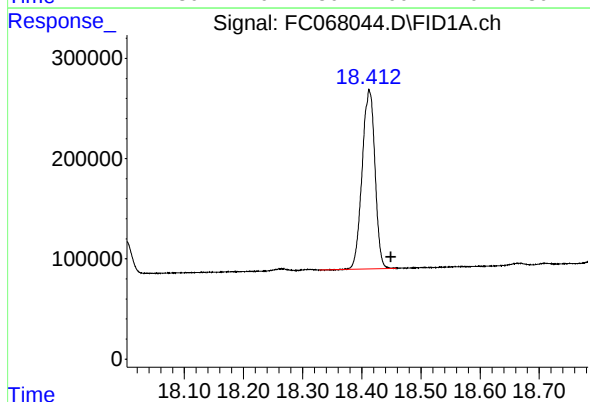
#17 n-Tricontane (C30)

R.T.: 17.580 min
Delta R.T.: -0.039 min
Response: 2691959
Conc: 20.78 ug/ml

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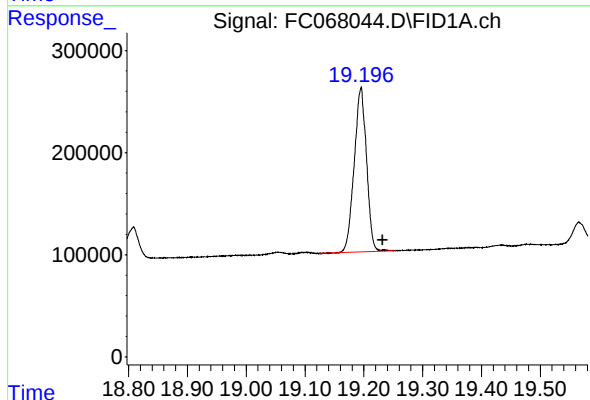
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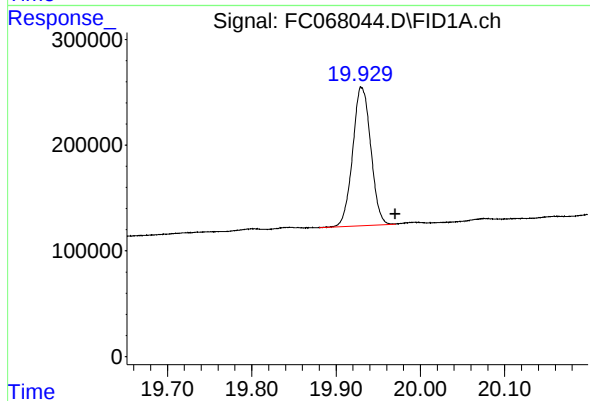
#18 n-Dotriacontane (C32)

R.T.: 18.413 min
Delta R.T.: -0.037 min
Response: 2690276
Conc: 21.72 ug/ml



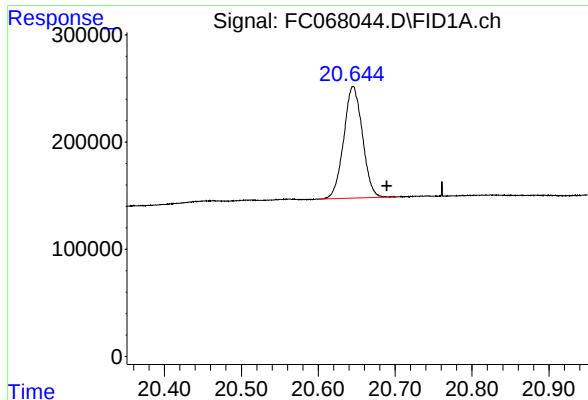
#19 n-Tetratriacontane (C34)

R.T.: 19.195 min
Delta R.T.: -0.038 min
Response: 2338289
Conc: 21.42 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.929 min
Delta R.T.: -0.041 min
Response: 1955179
Conc: 20.67 ug/ml m



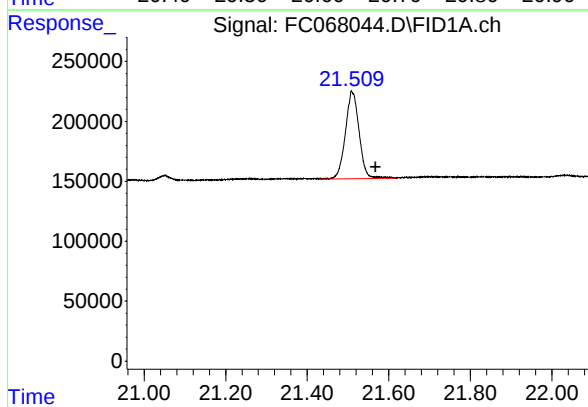
#21 n-Octatriacontane (C38)

R.T.: 20.645 min
Delta R.T.: -0.044 min
Response: 1762119
Conc: 19.48 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.509 min
Delta R.T.: -0.059 min
Response: 1697800
Conc: 19.26 ug/ml m