

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG060525AL\
 Data File : FG015944.D
 Signal(s) : FID1A.ch
 Acq On : 05 Jun 2025 19:52
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/06/2025
 Supervised By :mohammad ahmed 06/09/2025

Integration File: autoint1.e
 Quant Time: Jun 06 02:14:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 051225.M
 Quant Title : GC Extractables
 QLast Update : Mon May 12 12:44:43 2025
 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)	11.876	2650674	17.803 ug/ml
Spiked Amount 50.000		Recovery =	35.61%
12) S 1-chlorooctadecane (S...	13.321	2061063	17.891 ug/ml
Spiked Amount 50.000		Recovery =	35.78%
Target Compounds			
1) T n-Nonane (C9)	3.221	1892313	16.866 ug/ml
2) T n-Decane (C10)	4.482	1932473	17.080 ug/ml
3) T A~Naphthalene (C11.7)	6.198	2020337	17.281 ug/ml
4) T n-Dodecane (C12)	6.664	2013731	17.476 ug/ml
5) T A~2-methylnaphthalene...	7.300	1939194	16.978 ug/ml
6) T n-Tetradecane (C14)	8.500	2042665	17.734 ug/ml
7) T n-Hexadecane (C16)	10.113	2120628	17.931 ug/ml
8) T n-Octadecane (C18)	11.561	2192662	18.038 ug/ml
10) T n-Eicosane (C20)	12.874	2224046	18.147 ug/ml
11) T n-Heneicosane (C21)	13.489	2210178	18.044 ug/ml
13) T n-Docosane (C22)	14.076	2250984	18.475 ug/ml
14) T n-Tetracosane (C24)	15.183	2322572	19.175 ug/mlm
15) T n-Hexacosane (C26)	16.207	2330154	19.465 ug/ml
16) T n-Octacosane (C28)	17.159	2311721	19.606 ug/ml
17) T n-Tricontane (C30)	18.048	2326533	19.579 ug/ml
18) T n-Dotriacontane (C32)	18.883	2283807	19.335 ug/ml
19) T n-Tetratriacontane (C34)	19.667	2117289	18.961 ug/mlm
20) T n-Hexatriacontane (C36)	20.410	2018395	18.665 ug/mlm
21) T n-Octatriacontane (C38)	21.146	1916045	18.445 ug/mlm
22) T n-Tetracontane (C40)	22.057	1913751	18.766 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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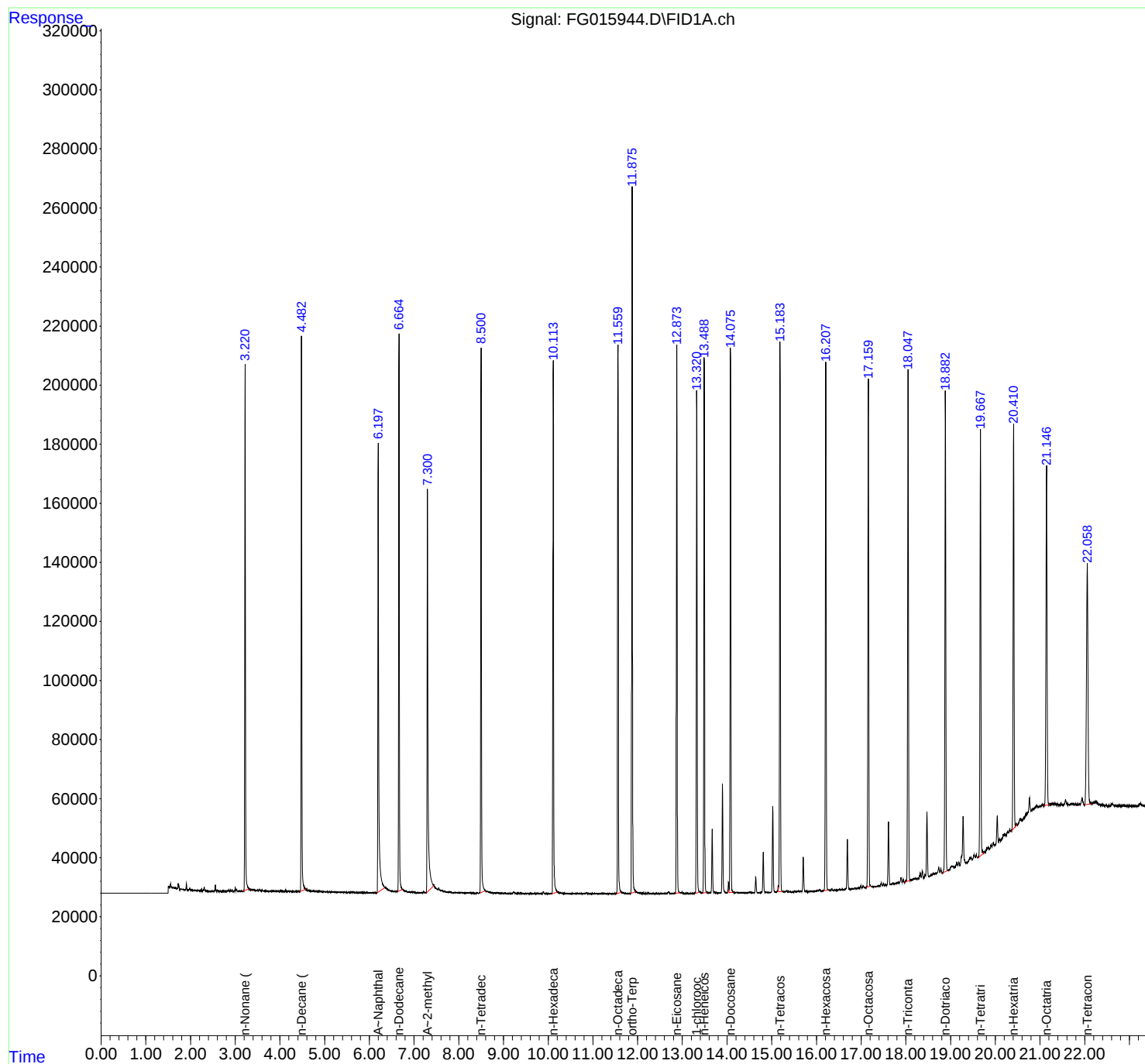
Instrument :
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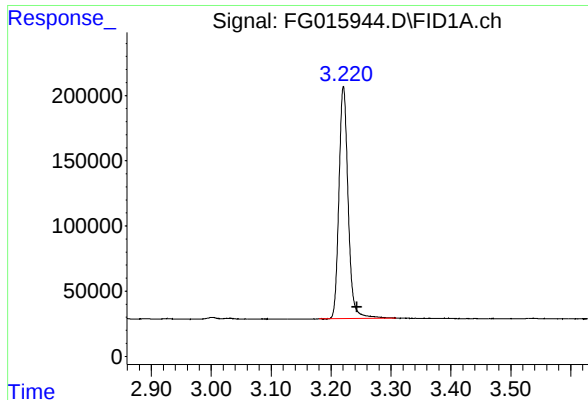
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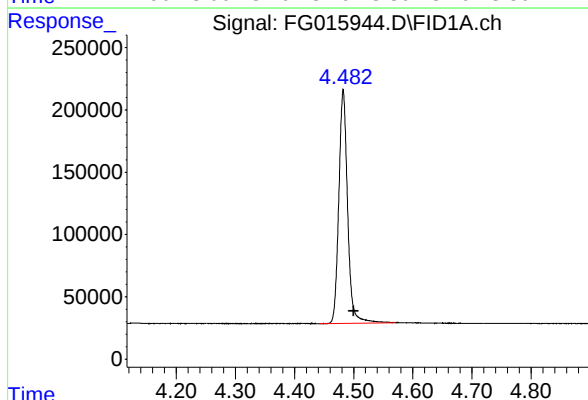
#1 n-Nonane (C9)

R.T.: 3.221 min
Delta R.T.: -0.022 min
Response: 1892313
Conc: 16.87 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

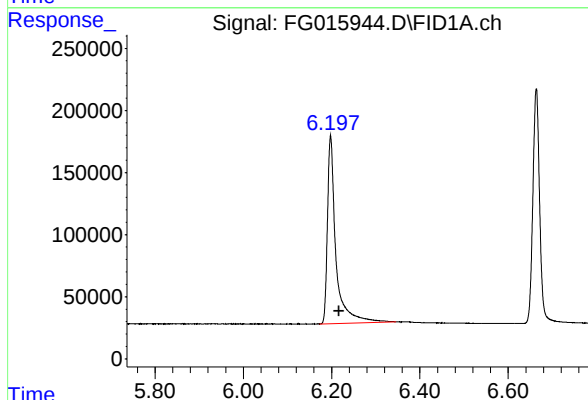
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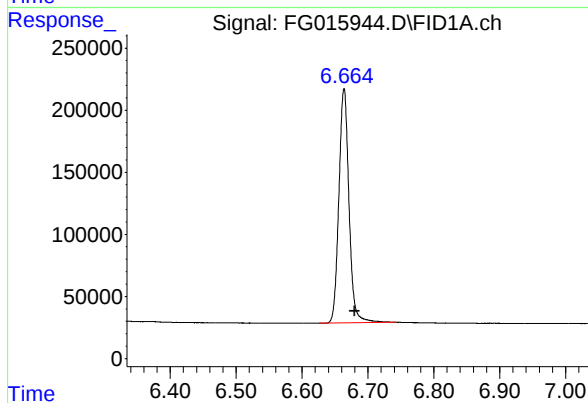
#2 n-Decane (C10)

R.T.: 4.482 min
Delta R.T.: -0.018 min
Response: 1932473
Conc: 17.08 ug/ml



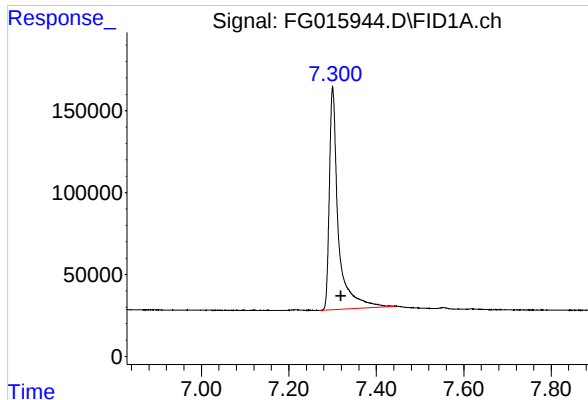
#3 A~Naphthalene (C11.7)

R.T.: 6.198 min
Delta R.T.: -0.019 min
Response: 2020337
Conc: 17.28 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.664 min
Delta R.T.: -0.016 min
Response: 2013731
Conc: 17.48 ug/ml



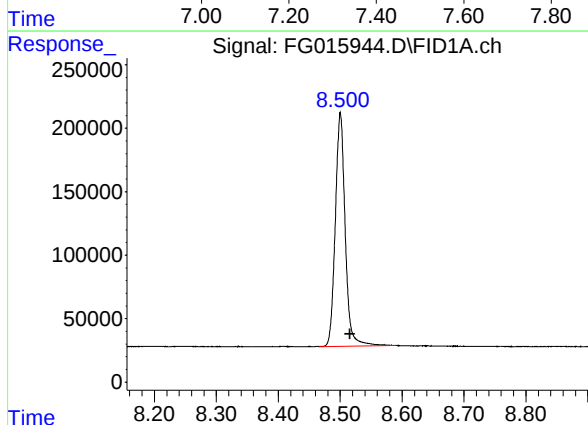
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.300 min
Delta R.T.: -0.019 min
Response: 1939194
Conc: 16.98 ug/ml

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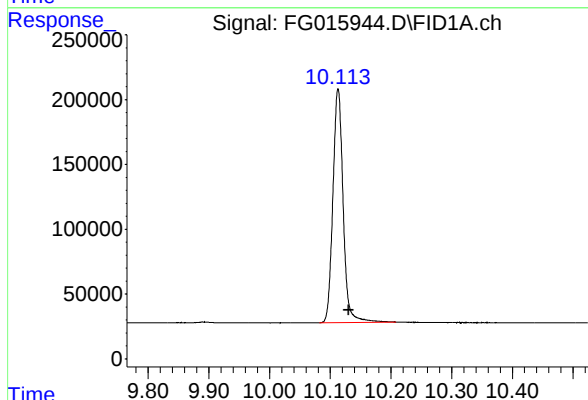
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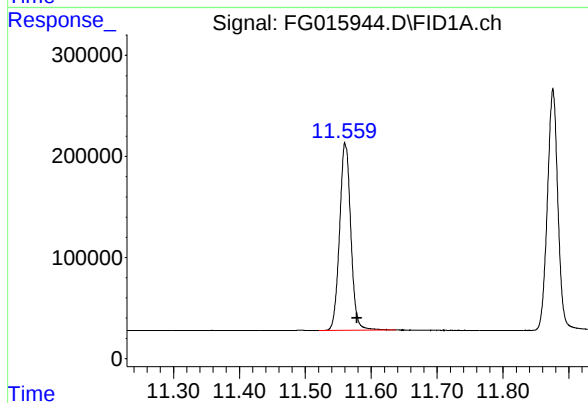
#6 n-Tetradecane (C14)

R.T.: 8.500 min
Delta R.T.: -0.016 min
Response: 2042665
Conc: 17.73 ug/ml



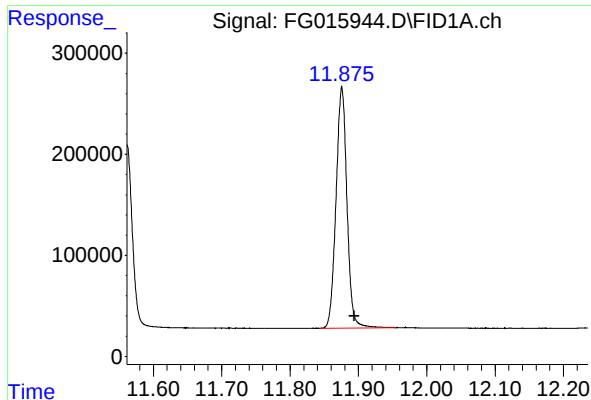
#7 n-Hexadecane (C16)

R.T.: 10.113 min
Delta R.T.: -0.017 min
Response: 2120628
Conc: 17.93 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.561 min
Delta R.T.: -0.018 min
Response: 2192662
Conc: 18.04 ug/ml



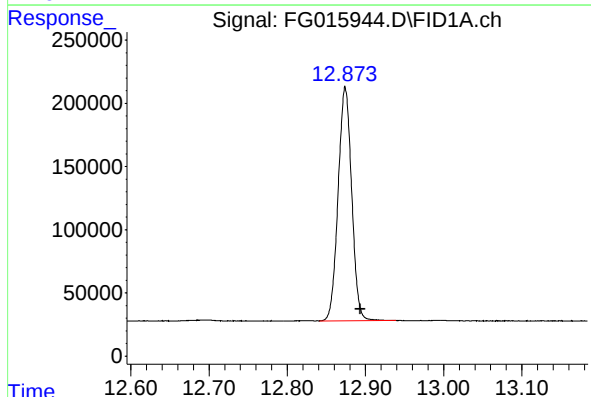
#9 ortho-Terphenyl (SURR)

R.T.: 11.876 min
Delta R.T.: -0.018 min
Response: 2650674
Conc: 17.80 ug/ml

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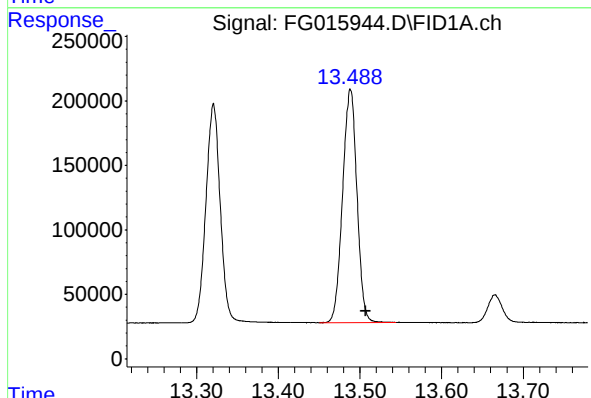
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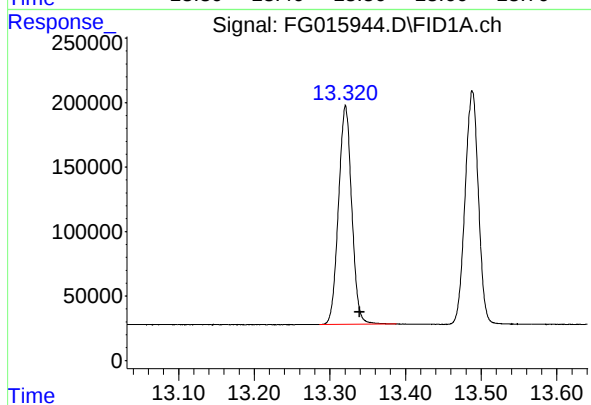
#10 n-Eicosane (C20)

R.T.: 12.874 min
Delta R.T.: -0.019 min
Response: 2224046
Conc: 18.15 ug/ml



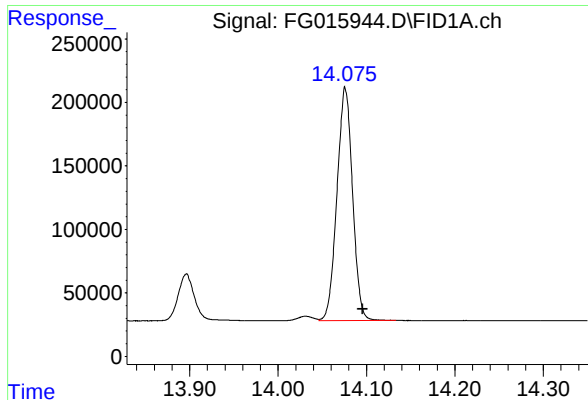
#11 n-Heneicosane (C21)

R.T.: 13.489 min
Delta R.T.: -0.019 min
Response: 2210178
Conc: 18.04 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.321 min
Delta R.T.: -0.019 min
Response: 2061063
Conc: 17.89 ug/ml



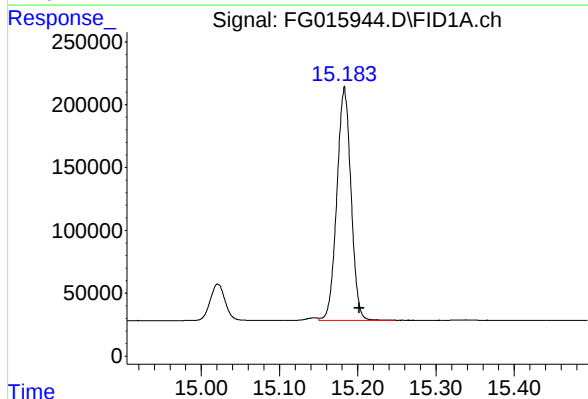
#13 n-Docosane (C22)

R.T.: 14.076 min
Delta R.T.: -0.020 min
Response: 2250984
Conc: 18.48 ug/ml

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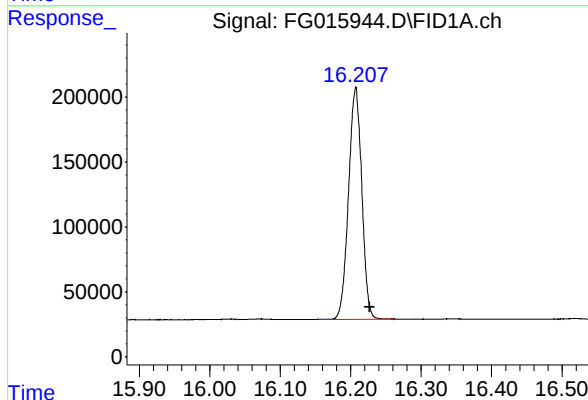
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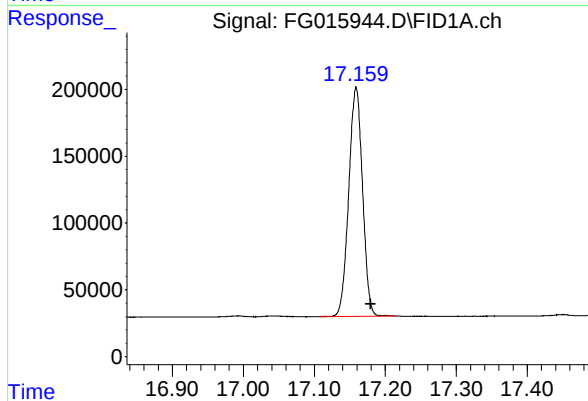
#14 n-Tetracosane (C24)

R.T.: 15.183 min
Delta R.T.: -0.020 min
Response: 2322572
Conc: 19.18 ug/ml m



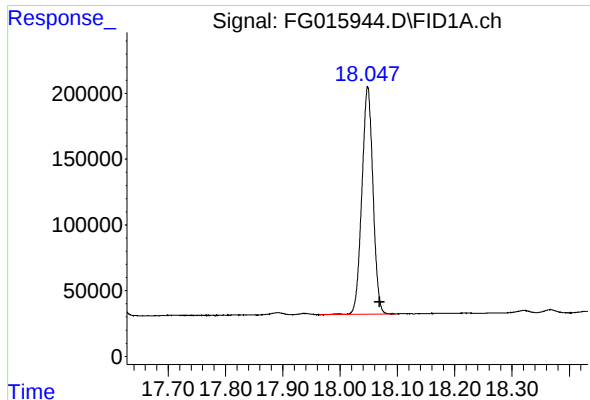
#15 n-Hexacosane (C26)

R.T.: 16.207 min
Delta R.T.: -0.020 min
Response: 2330154
Conc: 19.47 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.159 min
Delta R.T.: -0.020 min
Response: 2311721
Conc: 19.61 ug/ml



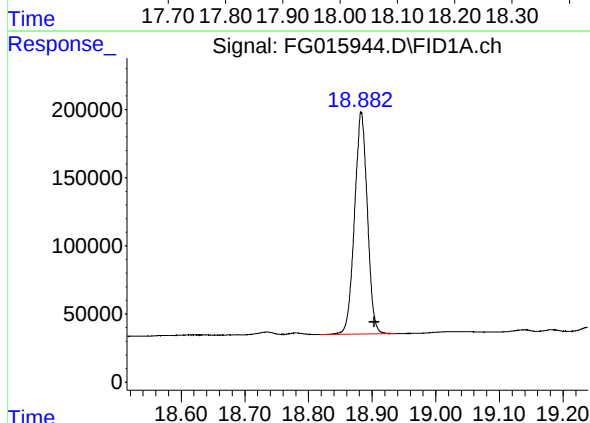
#17 n-Tricontane (C30)

R.T.: 18.048 min
Delta R.T.: -0.021 min
Response: 2326533
Conc: 19.58 ug/ml

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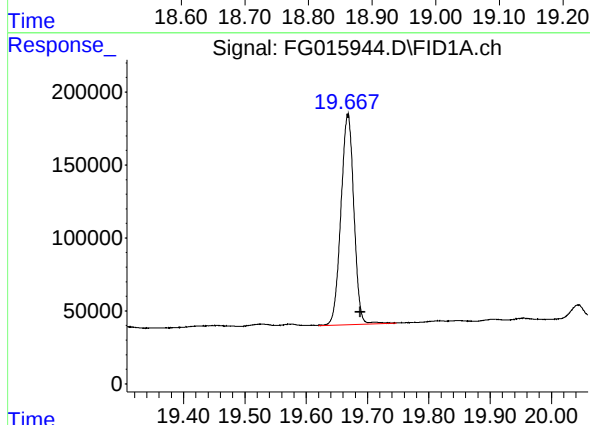
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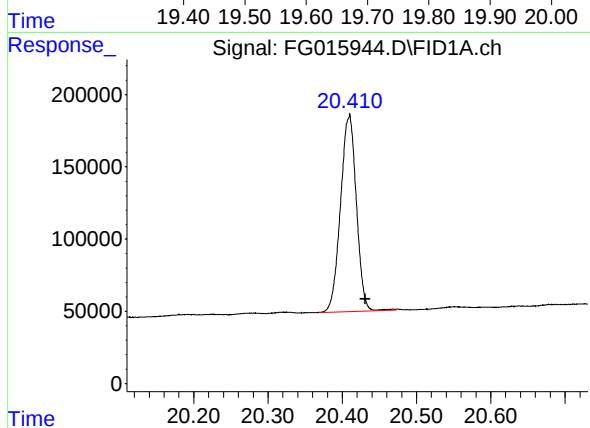
#18 n-Dotriacontane (C32)

R.T.: 18.883 min
Delta R.T.: -0.021 min
Response: 2283807
Conc: 19.33 ug/ml



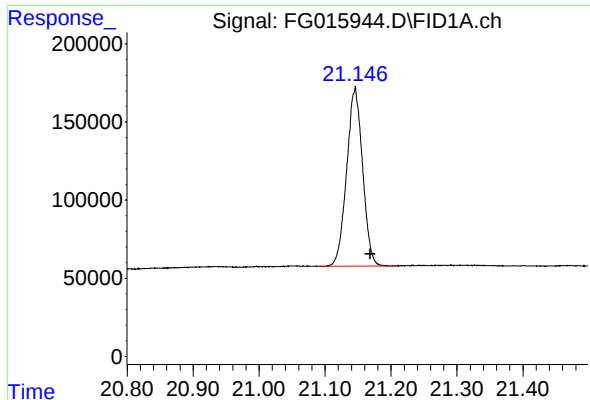
#19 n-Tetratriacontane (C34)

R.T.: 19.667 min
Delta R.T.: -0.022 min
Response: 2117289
Conc: 18.96 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.410 min
Delta R.T.: -0.021 min
Response: 2018395
Conc: 18.67 ug/ml m



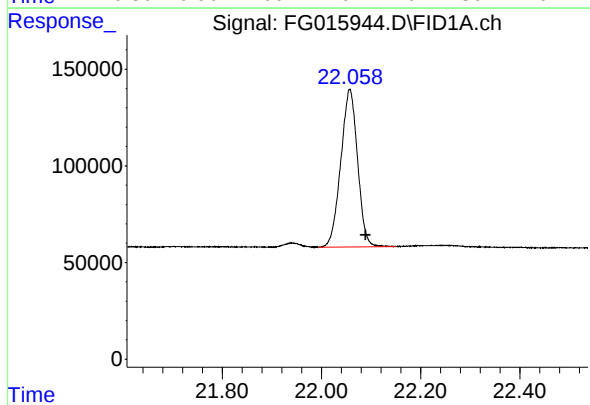
#21 n-Octatriacontane (C38)

R.T.: 21.146 min
Delta R.T.: -0.023 min
Response: 1916045
Conc: 18.45 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.057 min
Delta R.T.: -0.033 min
Response: 1913751
Conc: 18.77 ug/ml