

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE021225AL\
 Data File : FE052374.D
 Signal(s) : FID1B.ch
 Acq On : 12 Feb 2025 18:38
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/13/2025
 Supervised By :Ankita Jodhani 02/13/2025

Integration File: autoint1.e
 Quant Time: Feb 13 00:29:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 07 07:52:07 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)	12.330	2322795	18.767 ug/ml
Spiked Amount 50.000		Recovery =	37.53%
12) S 1-chlorooctadecane (S...	13.740	1801497	18.254 ug/ml
Spiked Amount 50.000		Recovery =	36.51%
Target Compounds			
1) T n-Nonane (C9)	3.800	1770659	18.957 ug/ml
2) T n-Decane (C10)	5.027	1891294	19.694 ug/ml
3) T A~Naphthalene (C11.7)	6.730	2140937	20.033 ug/ml
4) T n-Dodecane (C12)	7.155	1976719	19.943 ug/ml
5) T A~2-methylnaphthalene...	7.810	2098730	20.039 ug/ml
6) T n-Tetradecane (C14)	8.962	2008119	19.900 ug/ml
7) T n-Hexadecane (C16)	10.557	2111604	19.459 ug/ml
8) T n-Octadecane (C18)	11.991	2155616	18.975 ug/ml
10) T n-Eicosane (C20)	13.293	2086526	18.489 ug/ml
11) T n-Heneicosane (C21)	13.902	2053641	18.236 ug/ml
13) T n-Docosane (C22)	14.484	2043809	18.057 ug/ml
14) T n-Tetracosane (C24)	15.582	2039440	17.738 ug/ml
15) T n-Hexacosane (C26)	16.598	1995129	17.397 ug/ml
16) T n-Octacosane (C28)	17.544	1985953	17.552 ug/ml
17) T n-Tricontane (C30)	18.428	2083008	18.280 ug/ml
18) T n-Dotriacontane (C32)	19.256	2039675	18.708 ug/ml
19) T n-Tetratriacontane (C34)	20.036	1790556	18.873 ug/mlm
20) T n-Hexatriacontane (C36)	20.774	1518461	18.377 ug/ml
21) T n-Octatriacontane (C38)	21.593	1404463	18.905 ug/mlm
22) T n-Tetracontane (C40)	22.639	1507040	20.214 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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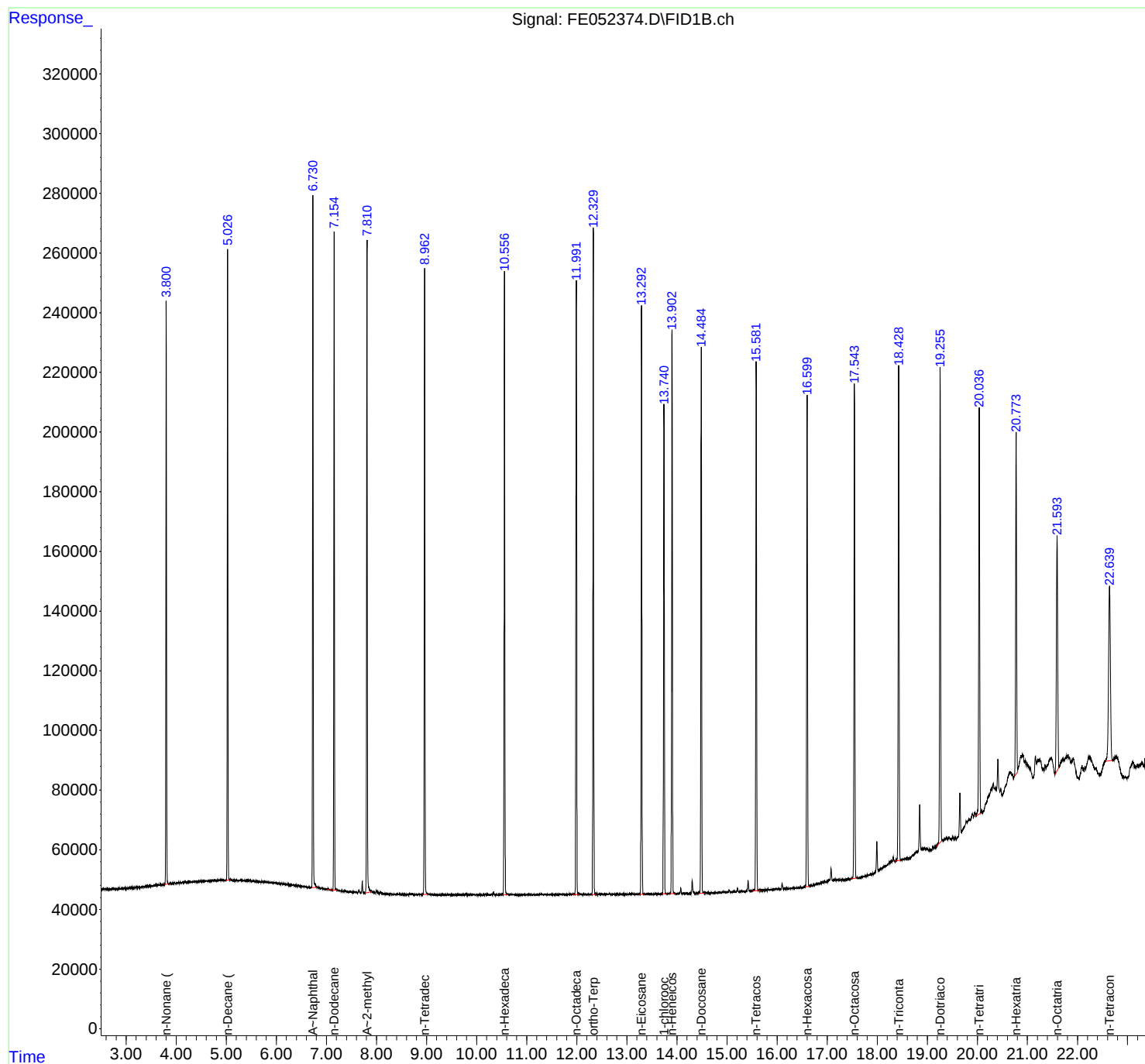
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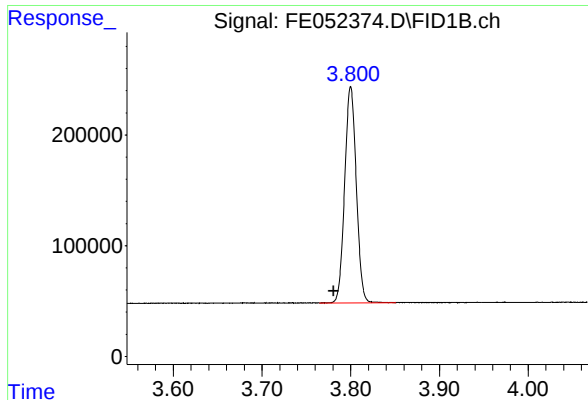
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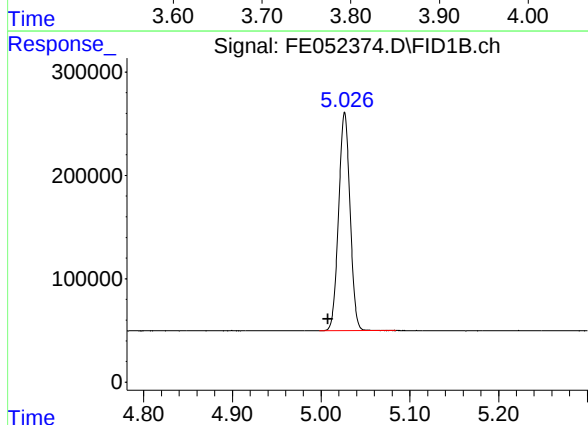
#1 n-Nonane (C9)

R.T.: 3.800 min
Delta R.T.: 0.019 min
Response: 1770659
Conc: 18.96 ug/ml

Instrument :
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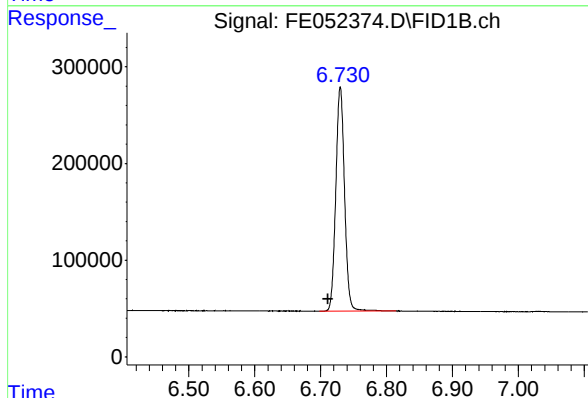
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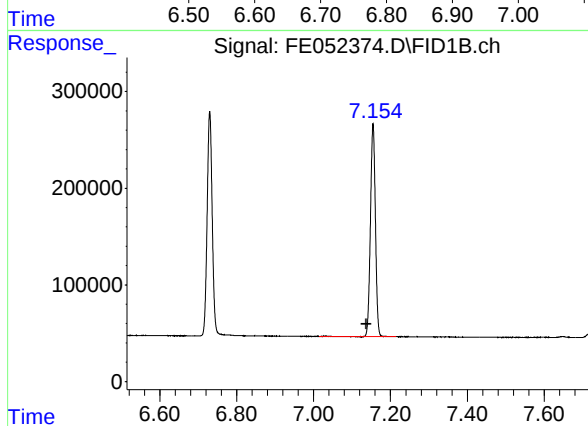
#2 n-Decane (C10)

R.T.: 5.027 min
Delta R.T.: 0.019 min
Response: 1891294
Conc: 19.69 ug/ml



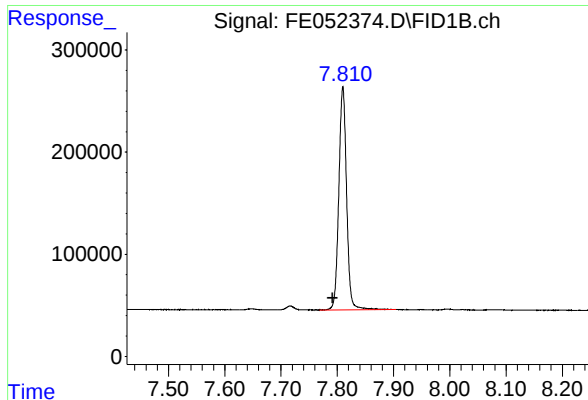
#3 A~Naphthalene (C11.7)

R.T.: 6.730 min
Delta R.T.: 0.019 min
Response: 2140937
Conc: 20.03 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.155 min
Delta R.T.: 0.017 min
Response: 1976719
Conc: 19.94 ug/ml



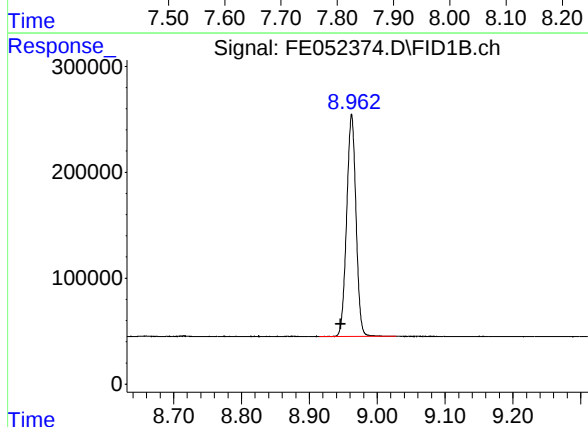
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.810 min
Delta R.T.: 0.018 min
Response: 2098730
Conc: 20.04 ug/ml

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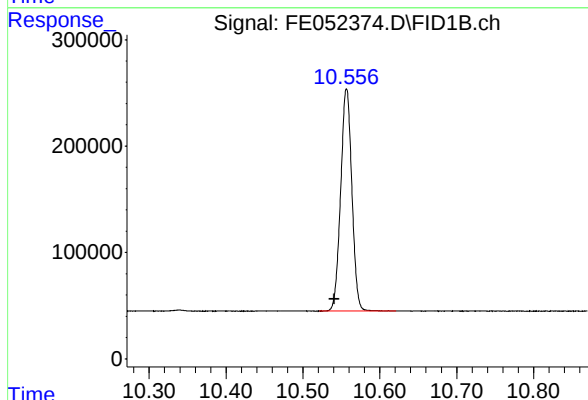
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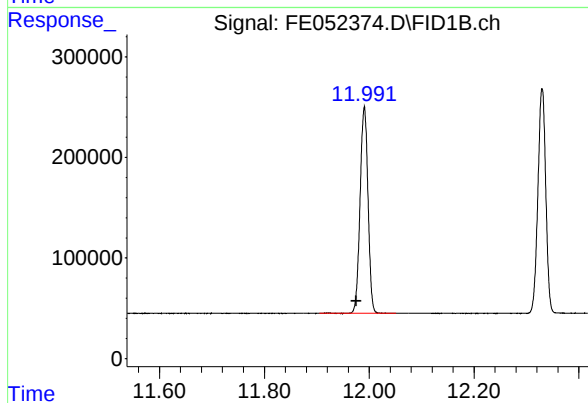
#6 n-Tetradecane (C14)

R.T.: 8.962 min
Delta R.T.: 0.016 min
Response: 2008119
Conc: 19.90 ug/ml



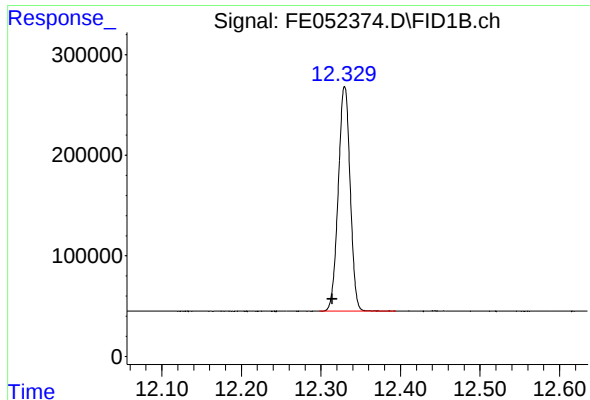
#7 n-Hexadecane (C16)

R.T.: 10.557 min
Delta R.T.: 0.016 min
Response: 2111604
Conc: 19.46 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.991 min
Delta R.T.: 0.015 min
Response: 2155616
Conc: 18.98 ug/ml



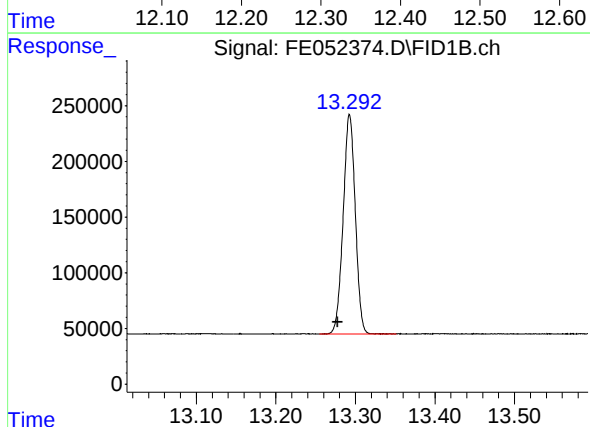
#9 ortho-Terphenyl (SURR)

R.T.: 12.330 min
Delta R.T.: 0.015 min
Response: 2322795
Conc: 18.77 ug/ml

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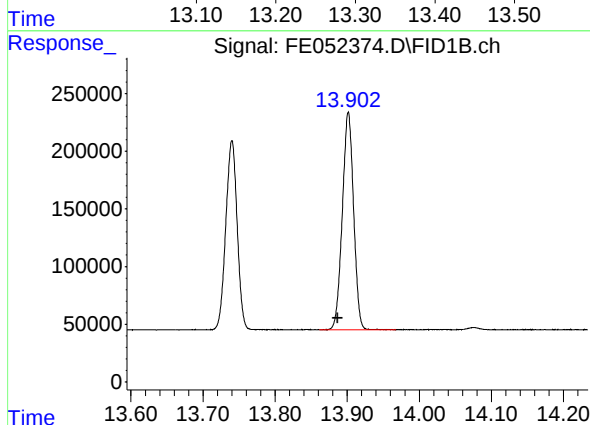
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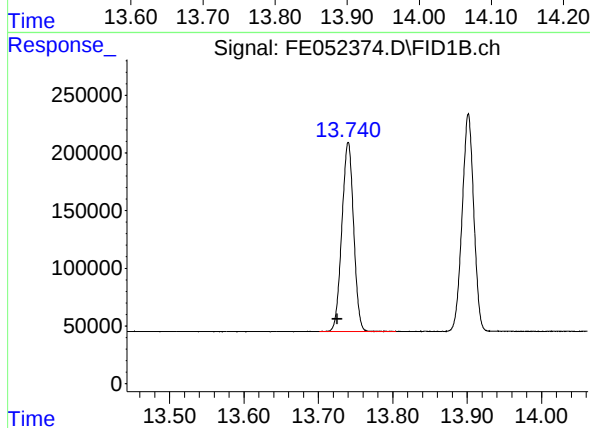
#10 n-Eicosane (C20)

R.T.: 13.293 min
Delta R.T.: 0.015 min
Response: 2086526
Conc: 18.49 ug/ml



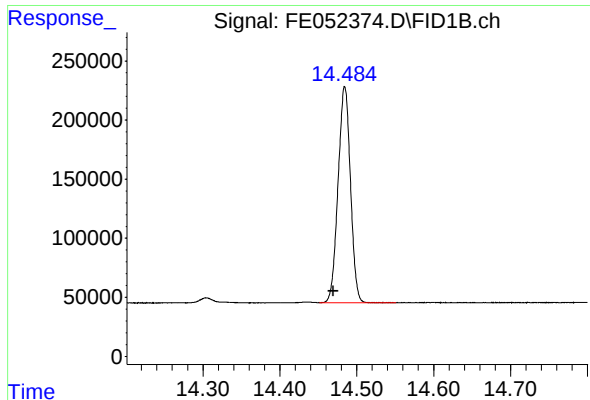
#11 n-Heneicosane (C21)

R.T.: 13.902 min
Delta R.T.: 0.015 min
Response: 2053641
Conc: 18.24 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.740 min
Delta R.T.: 0.015 min
Response: 1801497
Conc: 18.25 ug/ml



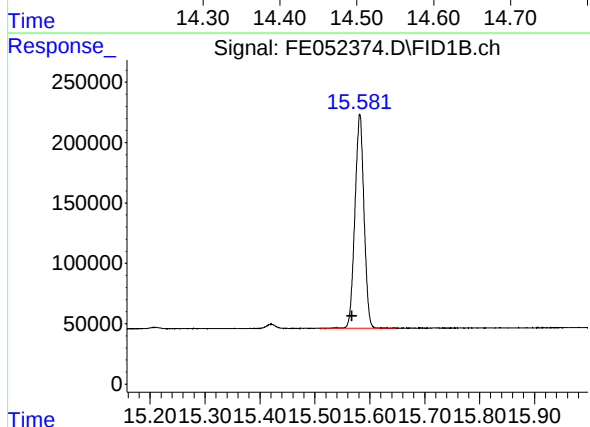
#13 n-Docosane (C22)

R.T.: 14.484 min
Delta R.T.: 0.015 min
Response: 2043809
Conc: 18.06 ug/ml

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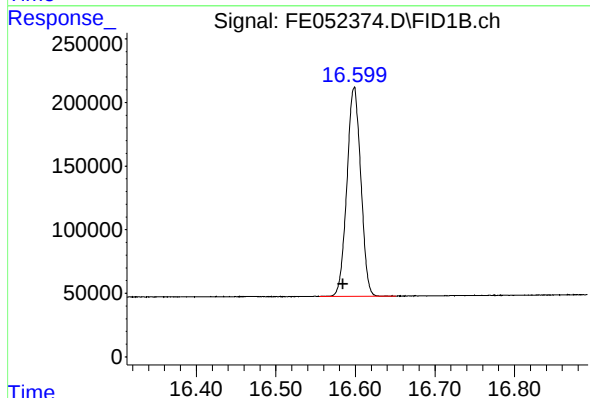
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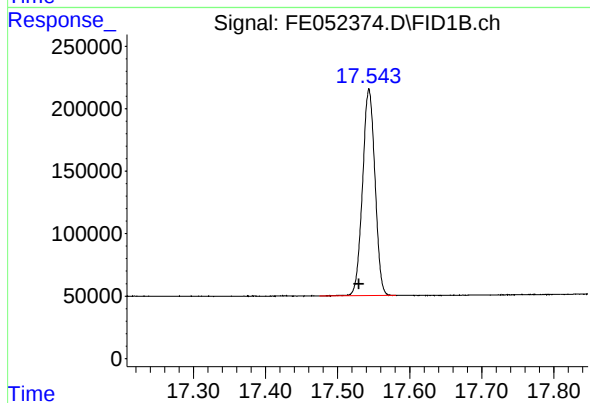
#14 n-Tetracosane (C24)

R.T.: 15.582 min
Delta R.T.: 0.014 min
Response: 2039440
Conc: 17.74 ug/ml



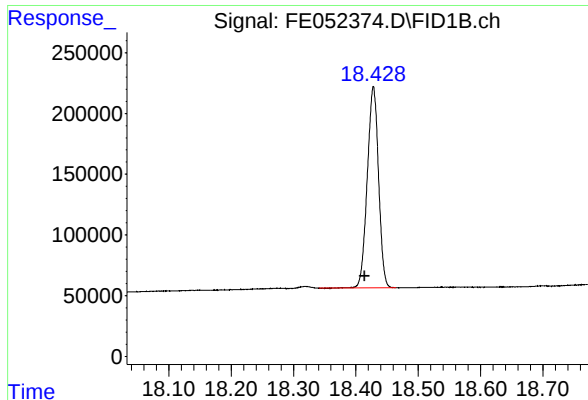
#15 n-Hexacosane (C26)

R.T.: 16.598 min
Delta R.T.: 0.014 min
Response: 1995129
Conc: 17.40 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.544 min
Delta R.T.: 0.014 min
Response: 1985953
Conc: 17.55 ug/ml



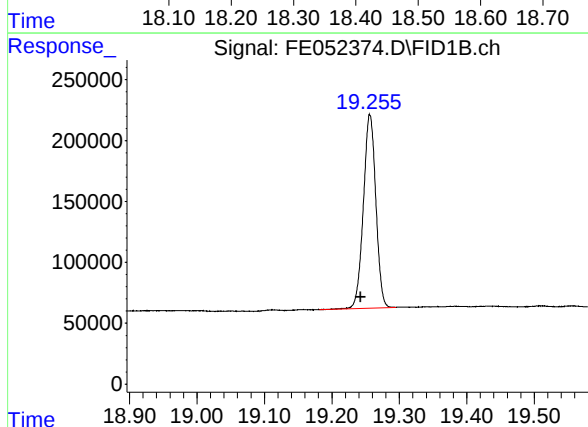
#17 n-Tricontane (C30)

R.T.: 18.428 min
Delta R.T.: 0.014 min
Response: 2083008
Conc: 18.28 ug/ml

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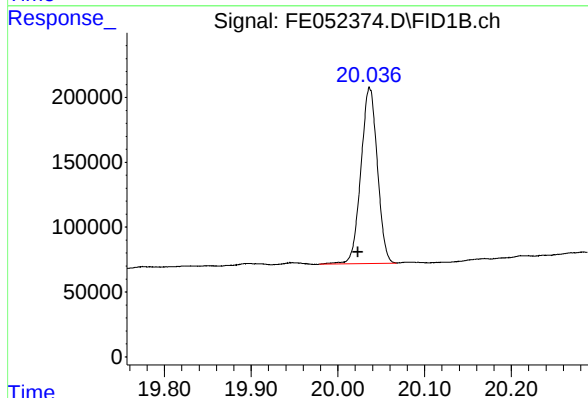
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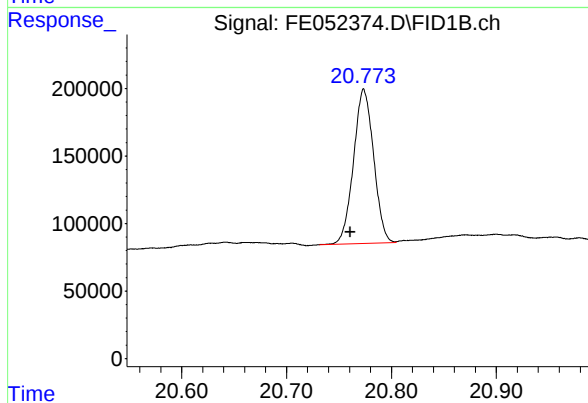
#18 n-Dotriacontane (C32)

R.T.: 19.256 min
Delta R.T.: 0.014 min
Response: 2039675
Conc: 18.71 ug/ml



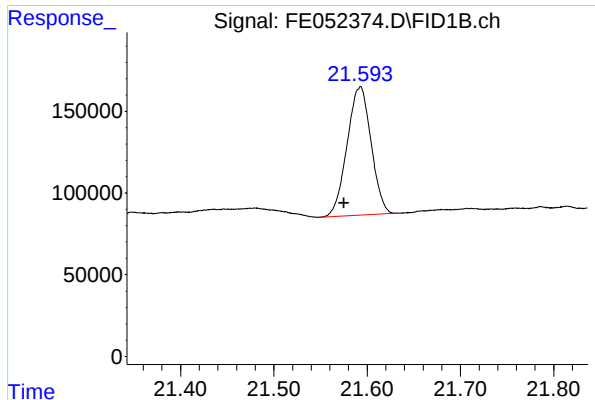
#19 n-Tetratriacontane (C34)

R.T.: 20.036 min
Delta R.T.: 0.013 min
Response: 1790556
Conc: 18.87 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.774 min
Delta R.T.: 0.013 min
Response: 1518461
Conc: 18.38 ug/ml



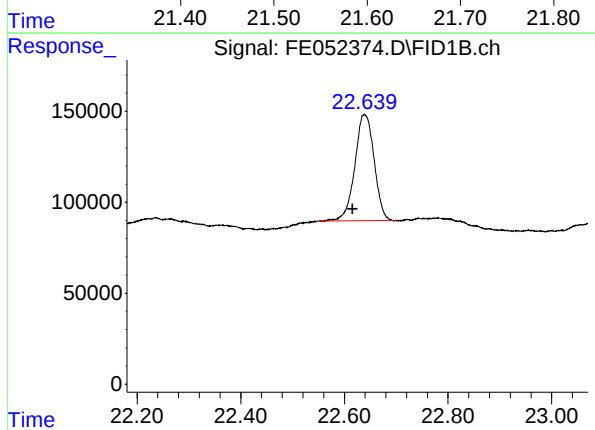
#21 n-Octatriacontane (C38)

R.T.: 21.593 min
Delta R.T.: 0.017 min
Response: 1404463
Conc: 18.90 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.639 min
Delta R.T.: 0.023 min
Response: 1507040
Conc: 20.21 ug/ml