

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
 Data File : FG014597.D
 Signal(s) : FID1A.ch
 Acq On : 31 Oct 2024 06:50
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/04/2024
 Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
 Quant Time: Nov 01 01:24:50 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 22 04:38:07 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.011	2486865	19.810 ug/ml
Spiked Amount 50.000		Recovery =	39.62%
6) S 2-Fluorobiphenyl (SURR)	8.885	1702829	19.769 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.54%
11) S ortho-Terphenyl (SURR)	11.956	2869788	19.383 ug/ml
Spiked Amount 50.000		Recovery =	38.77%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.616	2719431	20.071 ug/ml
2) T Naphthalene (C11.7)	6.285	2881227	20.078 ug/ml
3) T 2-Methylnaphthalene (...)	7.383	2927124	20.042 ug/ml
5) T Acenaphthylene (C15.06)	8.686	2877450	19.763 ug/ml
7) T Acenaphthene (C15.5)	8.986	2875213	19.868 ug/ml
8) T Fluorene (C16.55)	9.776	2843161	19.625 ug/ml
9) T Phenanthrene (C19.36)	11.183	2847205	19.344 ug/ml
10) T Anthracene (C19.43)	11.258	2681914	19.125 ug/ml
12) T Fluoranthene (C21.85)	13.005	2823747	19.093 ug/ml
13) T Pyrene (C20.8)	13.304	2800027	19.046 ug/ml
14) T Benzo[a]anthracene (C...	15.185	2667642	18.420 ug/mlm
15) T Chrysene (C27.41)	15.228	2702229	18.422 ug/ml
16) T benzo[b]fluoranthene ...	16.740	2665123	18.120 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.775	2497078	18.094 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.121	2582426	18.108 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.489	2368819	17.748 ug/mlm
20) T Dibenz[a,h]anthracene...	18.532	2466617	17.675 ug/ml
21) T Benzo[g,h,i]perylene ...	18.747	2510849	18.047 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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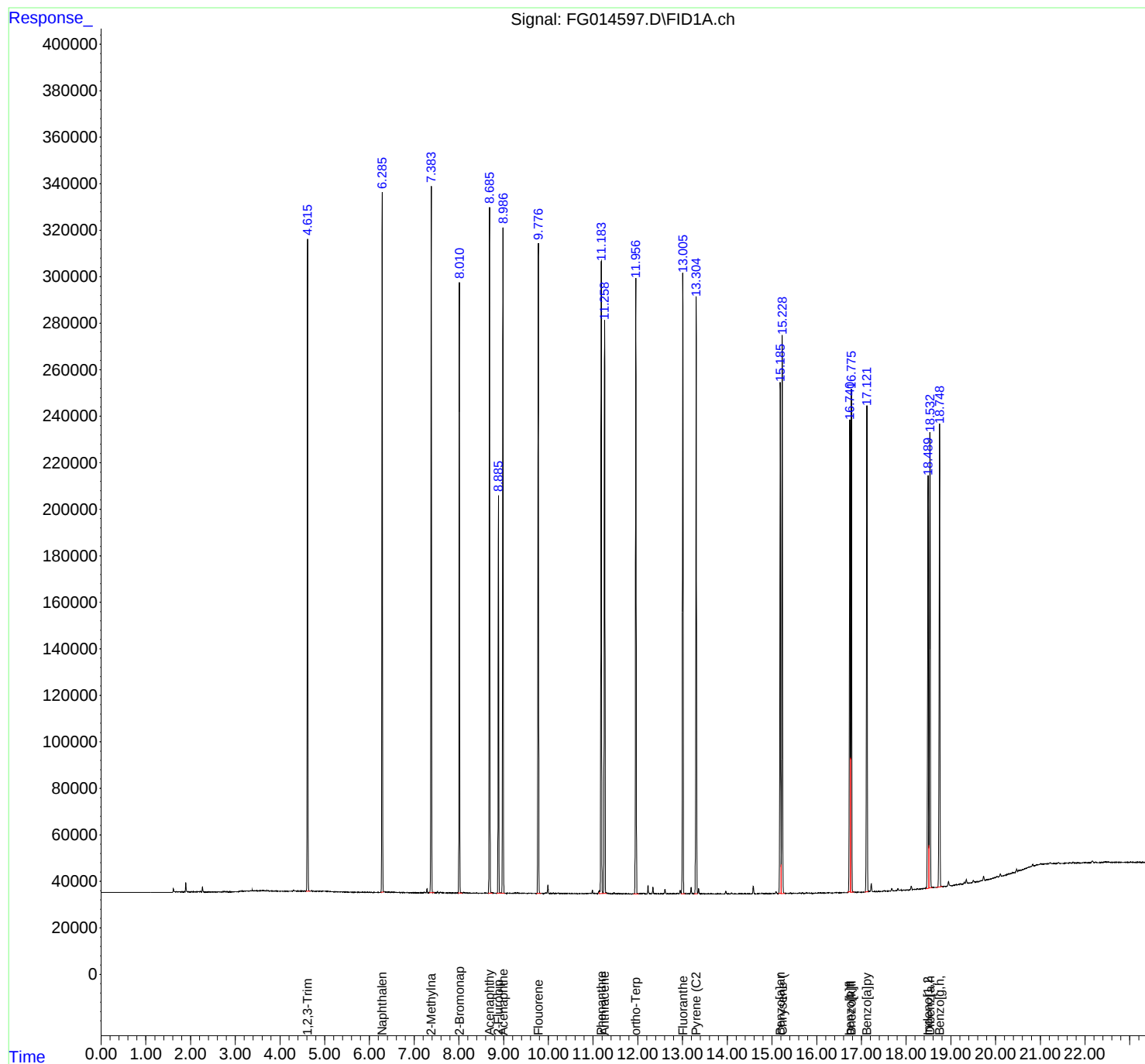
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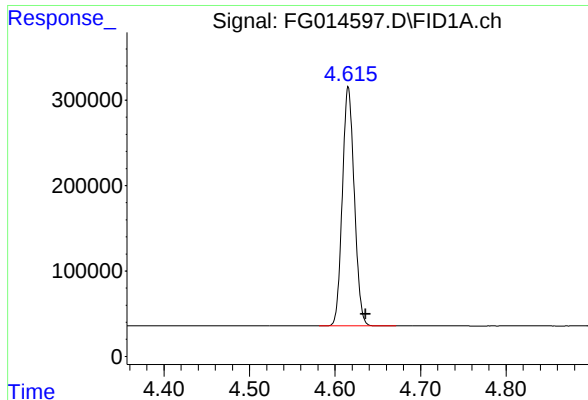
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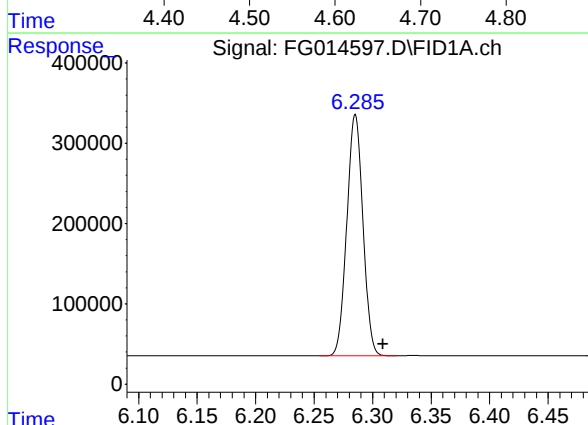
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.616 min
Delta R.T.: -0.020 min
Response: 2719431
Conc: 20.07 ug/ml

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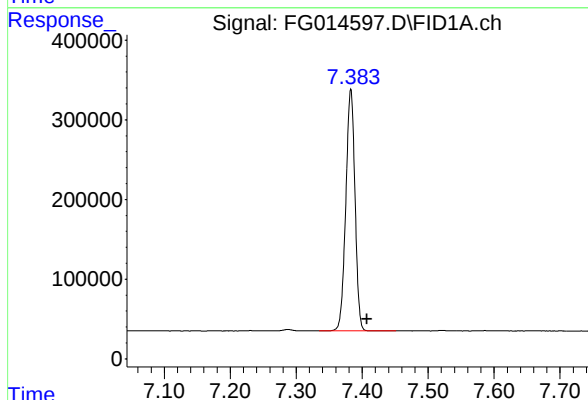
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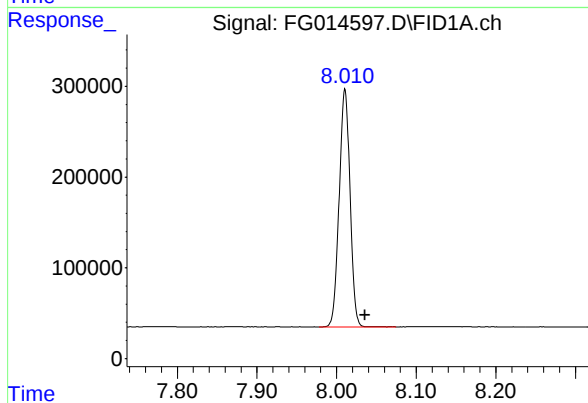
#2 Naphthalene (C11.7)

R.T.: 6.285 min
Delta R.T.: -0.024 min
Response: 2881227
Conc: 20.08 ug/ml



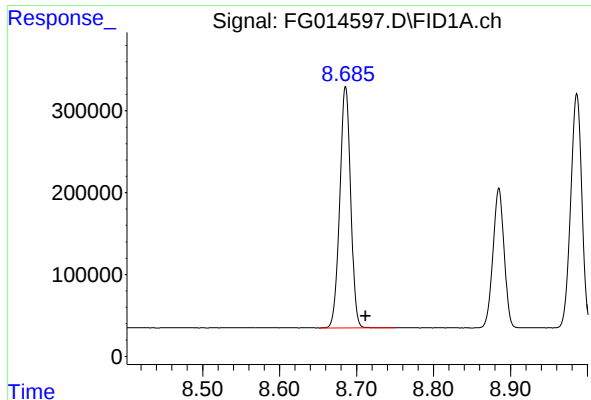
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.383 min
Delta R.T.: -0.025 min
Response: 2927124
Conc: 20.04 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.011 min
Delta R.T.: -0.025 min
Response: 2486865
Conc: 19.81 ug/ml



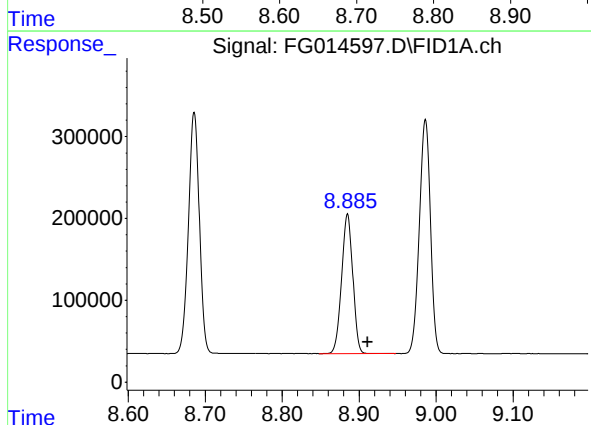
#5 Acenaphthylene (C15.06)

R.T.: 8.686 min
Delta R.T.: -0.026 min
Response: 2877450
Conc: 19.76 ug/ml

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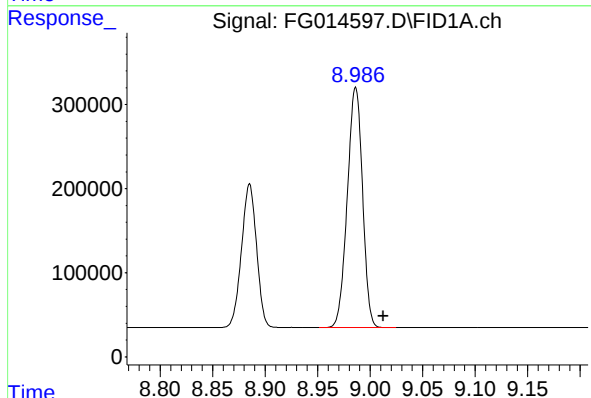
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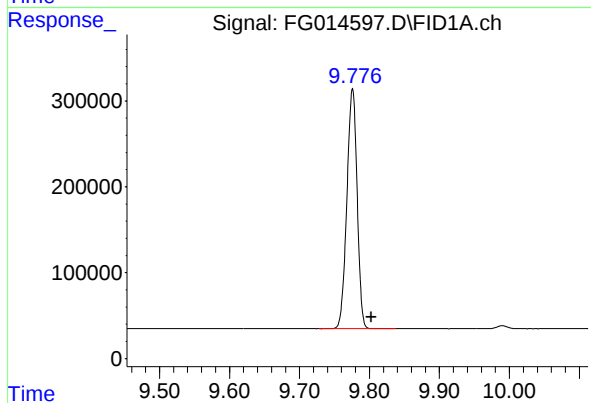
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.885 min
Delta R.T.: -0.026 min
Response: 1702829
Conc: 19.77 ug/ml



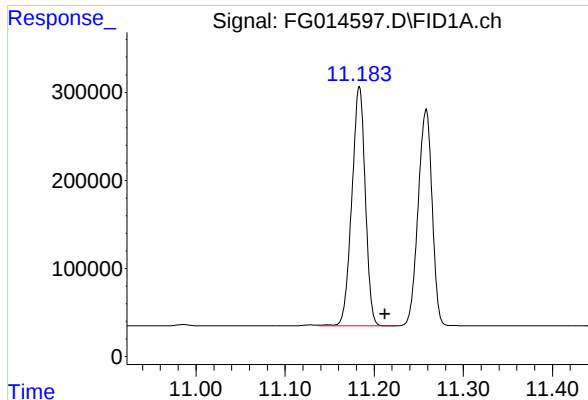
#7 Acenaphthene (C15.5)

R.T.: 8.986 min
Delta R.T.: -0.026 min
Response: 2875213
Conc: 19.87 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.776 min
Delta R.T.: -0.027 min
Response: 2843161
Conc: 19.63 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.183 min
Delta R.T.: -0.029 min
Response: 2847205
Conc: 19.34 ug/ml

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#10 Anthracene (C19.43)

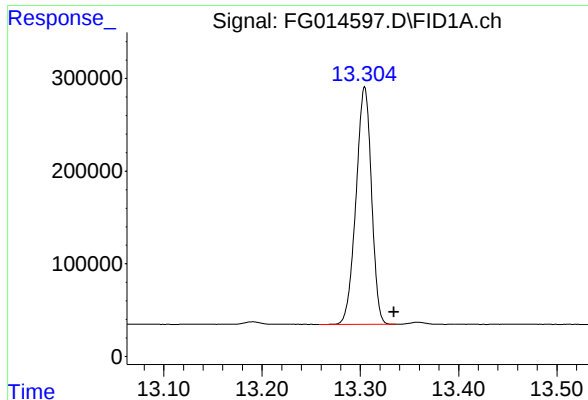
R.T.: 11.258 min
Delta R.T.: -0.029 min
Response: 2681914
Conc: 19.12 ug/ml

#11 ortho-Terphenyl (SURR)

R.T.: 11.956 min
Delta R.T.: -0.029 min
Response: 2869788
Conc: 19.38 ug/ml

#12 Fluoranthene (C21.85)

R.T.: 13.005 min
Delta R.T.: -0.030 min
Response: 2823747
Conc: 19.09 ug/ml



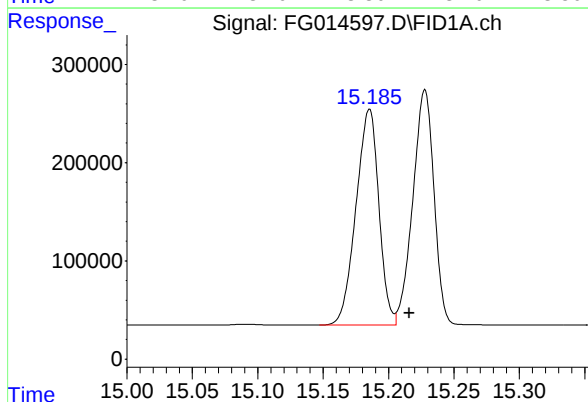
#13 Pyrene (C20.8)

R.T.: 13.304 min
Delta R.T.: -0.030 min
Response: 2800027
Conc: 19.05 ug/ml

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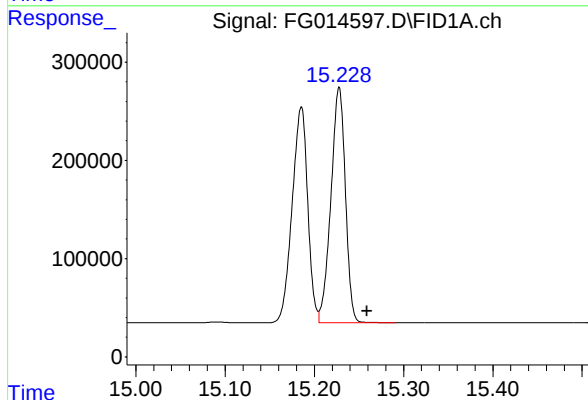
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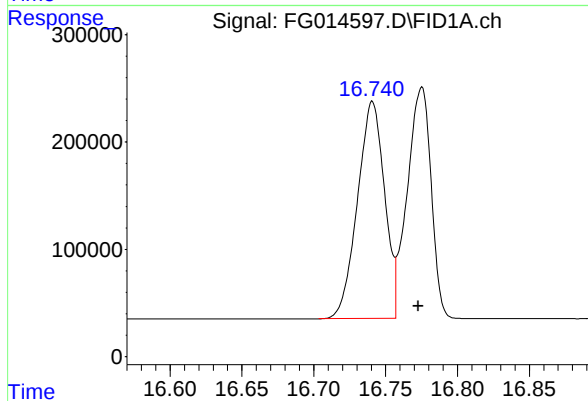
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.185 min
Delta R.T.: -0.031 min
Response: 2667642
Conc: 18.42 ug/ml m



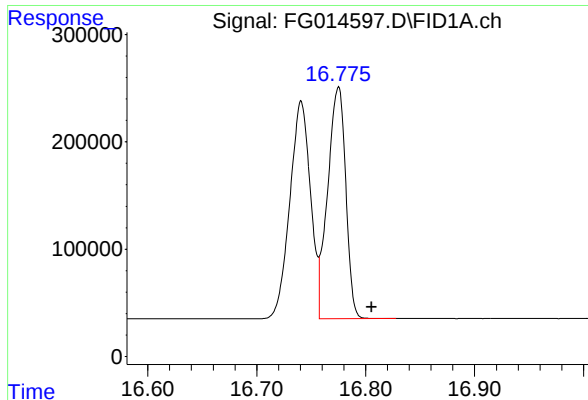
#15 Chrysene (C27.41)

R.T.: 15.228 min
Delta R.T.: -0.031 min
Response: 2702229
Conc: 18.42 ug/ml



#16 benzo[b]fluoranthene (C30.41)

R.T.: 16.740 min
Delta R.T.: -0.033 min
Response: 2665123
Conc: 18.12 ug/ml m



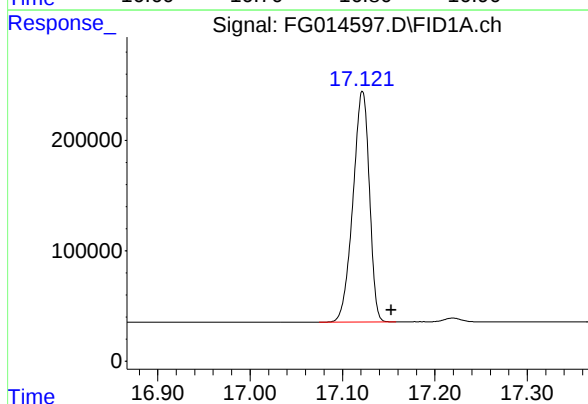
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.775 min
Delta R.T.: -0.031 min
Response: 2497078
Conc: 18.09 ug/ml

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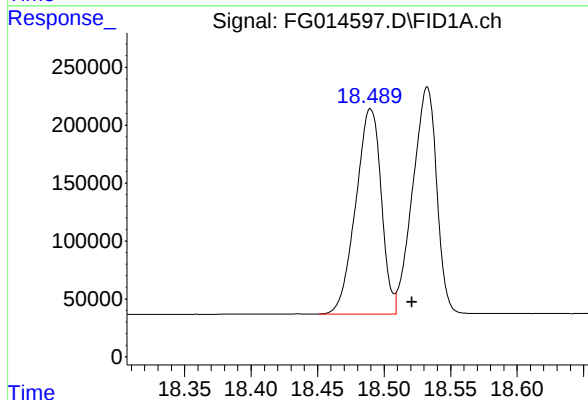
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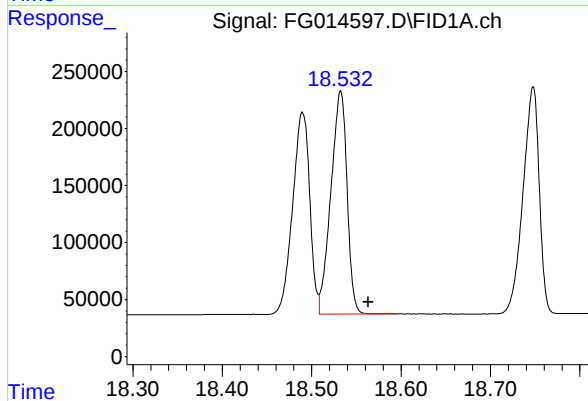
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.121 min
Delta R.T.: -0.032 min
Response: 2582426
Conc: 18.11 ug/ml



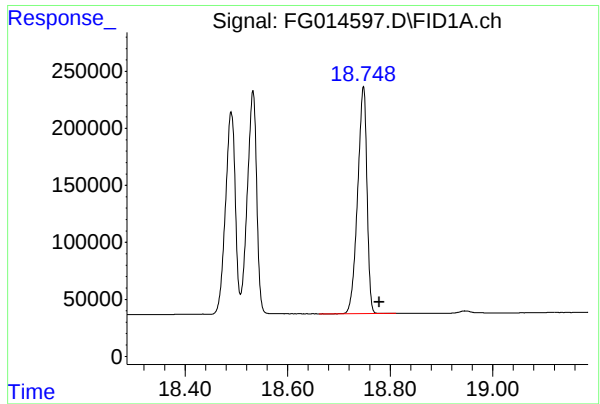
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.489 min
Delta R.T.: -0.032 min
Response: 2368819
Conc: 17.75 ug/ml m



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.532 min
Delta R.T.: -0.031 min
Response: 2466617
Conc: 17.68 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.747 min
Delta R.T.: -0.031 min
Response: 2510849
Conc: 18.05 ug/ml

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