

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092324AR\
 Data File : FG014336.D
 Signal(s) : FID1A.ch
 Acq On : 23 Sep 2024 13:42
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/24/2024
 Supervised By :Ankita Jodhani 09/24/2024

Integration File: autoint1.e
 Quant Time: Sep 24 01:31:38 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 04 11:28:29 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...	7.869	2326580	20.796 ug/ml
Spiked Amount 50.000		Recovery =	41.59%
6) S 2-Fluorobiphenyl (SURR)	8.743	1481010	20.342 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.68%
11) S ortho-Terphenyl (SURR)	11.808	2755923	20.445 ug/ml
Spiked Amount 50.000		Recovery =	40.89%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.471	2644431	20.541 ug/ml
2) T Naphthalene (C11.7)	6.140	2700224	21.406 ug/ml
3) T 2-Methylnaphthalene (...)	7.239	2767282	21.727 ug/ml
5) T Acenaphthylene (C15.06)	8.540	2618534	20.147 ug/ml
7) T Acenaphthene (C15.5)	8.839	2816514	20.338 ug/ml
8) T Fluorene (C16.55)	9.632	2682725	20.697 ug/ml
9) T Phenanthrene (C19.36)	11.039	2439048	20.181 ug/ml
10) T Anthracene (C19.43)	11.115	2762168	19.910 ug/ml
12) T Fluoranthene (C21.85)	12.863	2707036	20.881 ug/ml
13) T Pyrene (C20.8)	13.159	2742285	21.002 ug/ml
14) T Benzo[a]anthracene (C...	15.044	2251281	19.790 ug/mlm
15) T Chrysene (C27.41)	15.086	3000224	21.224 ug/ml
16) T benzo[b]fluoranthene ...	16.604	2258148	19.702 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.637	2947190	21.917 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.989	2495971	20.087 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.364	1529218	15.471 ug/mlm
20) T Dibenz[a,h]anthracene...	18.405	3421964	23.245 ug/ml
21) T Benzo[g,h,i]perylene ...	18.618	2548927	19.502 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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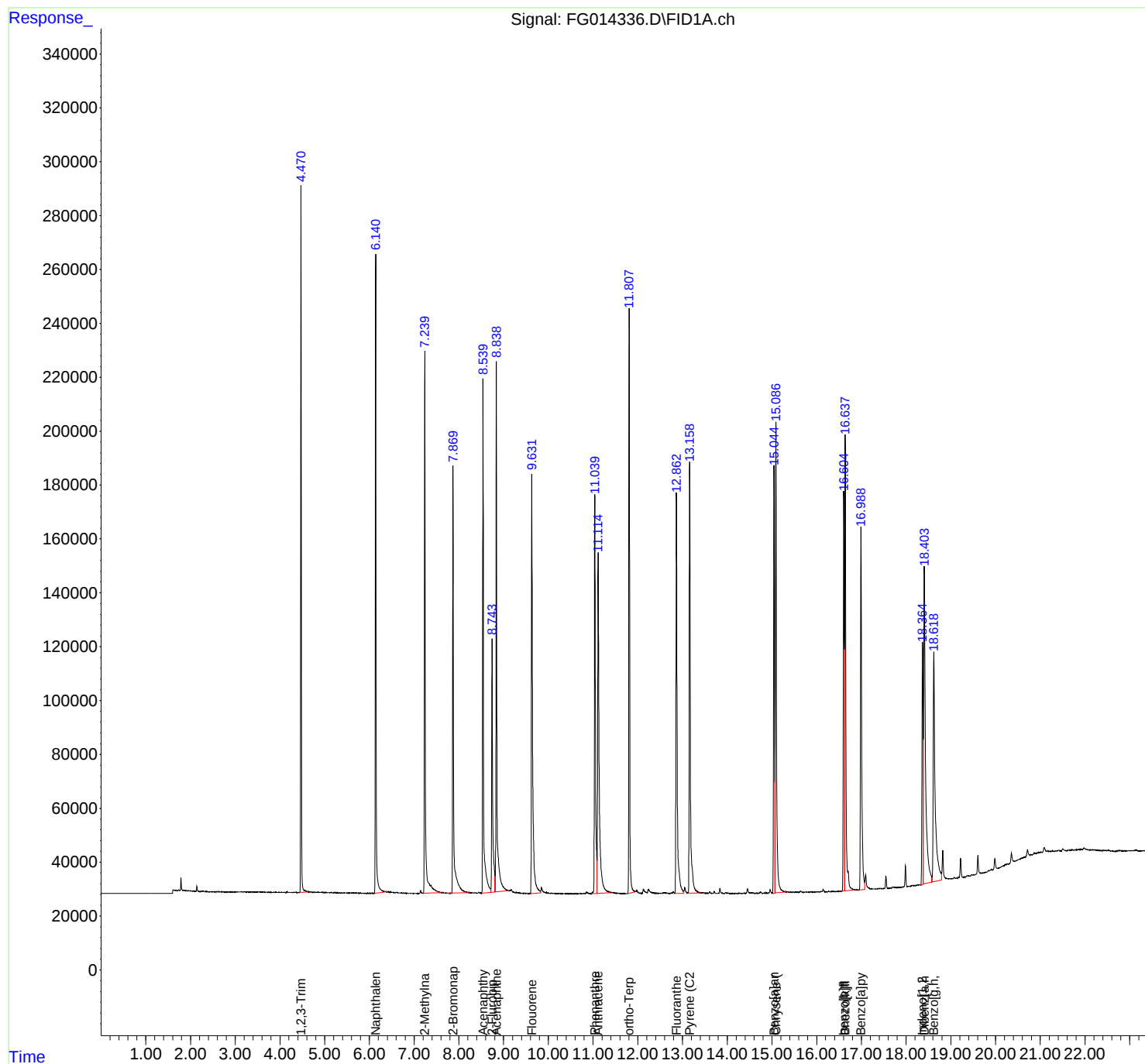
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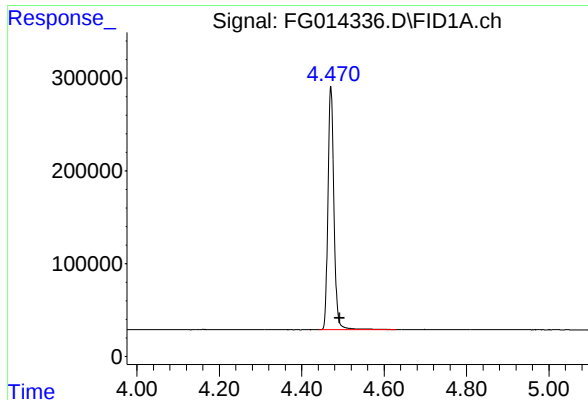
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.471 min
Delta R.T.: -0.021 min
Response: 2644431
Conc: 20.54 ug/ml

Instrument :

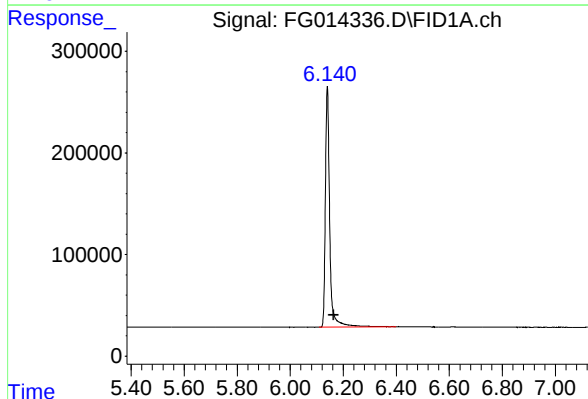
FID_G

ClientSampleId :

20 PPM AROMATIC HC STD

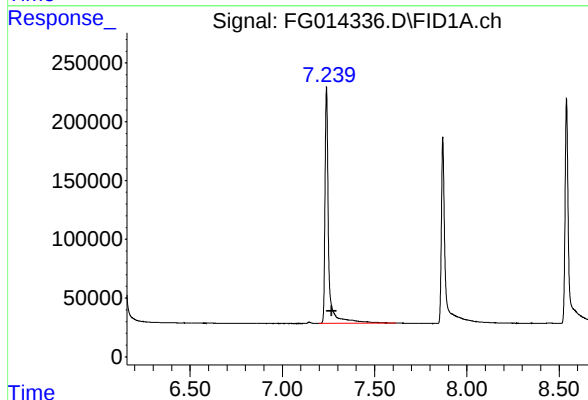
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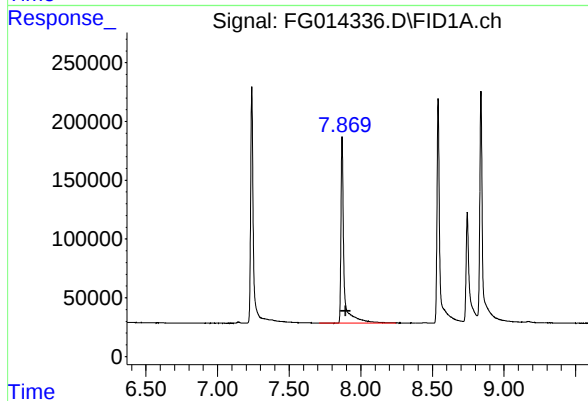
#2 Naphthalene (C11.7)

R.T.: 6.140 min
Delta R.T.: -0.024 min
Response: 2700224
Conc: 21.41 ug/ml



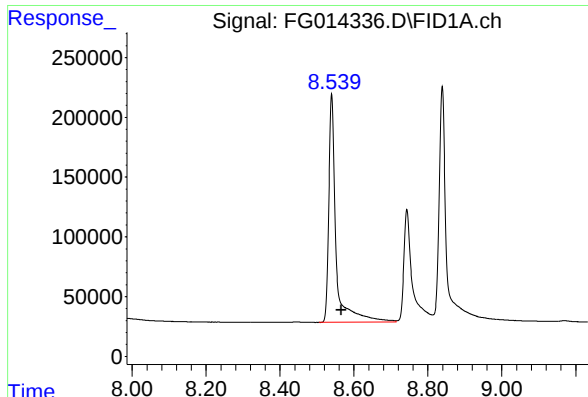
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.239 min
Delta R.T.: -0.027 min
Response: 2767282
Conc: 21.73 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.869 min
Delta R.T.: -0.026 min
Response: 2326580
Conc: 20.80 ug/ml



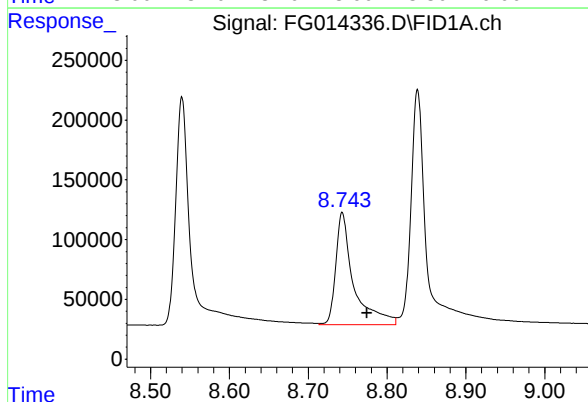
#5 Acenaphthylene (C15.06)

R.T.: 8.540 min
Delta R.T.: -0.026 min
Response: 2618534
Conc: 20.15 ug/ml

Instrument :
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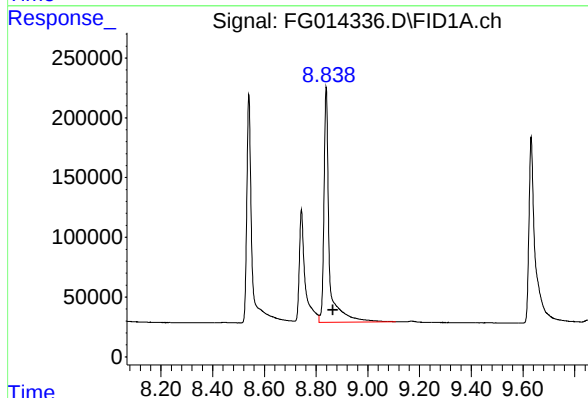
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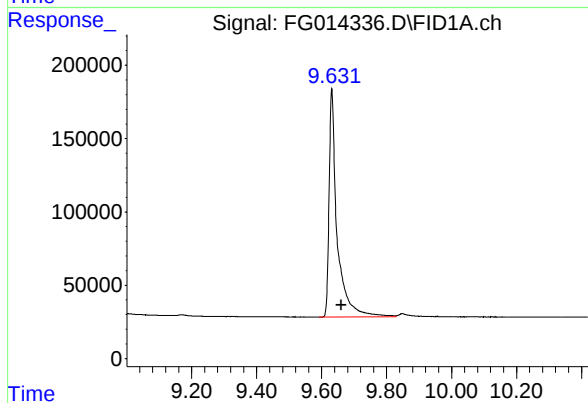
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.743 min
Delta R.T.: -0.031 min
Response: 1481010
Conc: 20.34 ug/ml



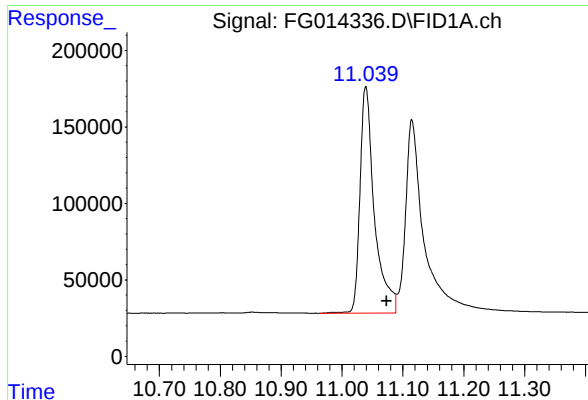
#7 Acenaphthene (C15.5)

R.T.: 8.839 min
Delta R.T.: -0.026 min
Response: 2816514
Conc: 20.34 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.632 min
Delta R.T.: -0.029 min
Response: 2682725
Conc: 20.70 ug/ml



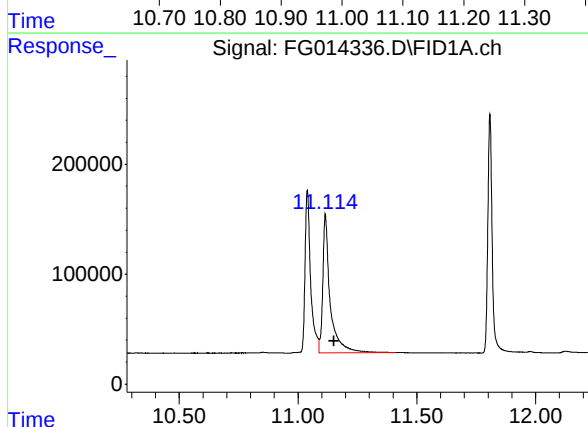
#9 Phenanthrene (C19.36)

R.T.: 11.039 min
Delta R.T.: -0.034 min
Response: 2439048
Conc: 20.18 ug/ml

Instrument :
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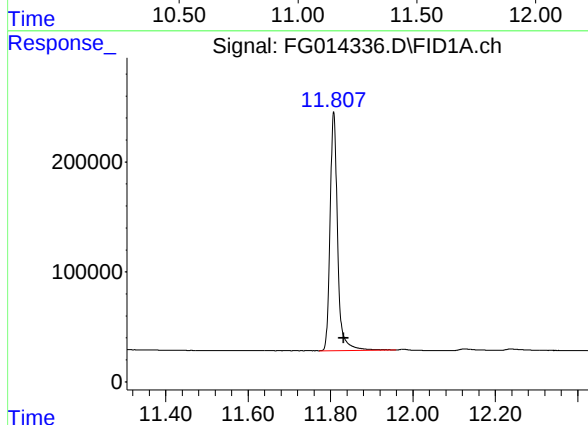
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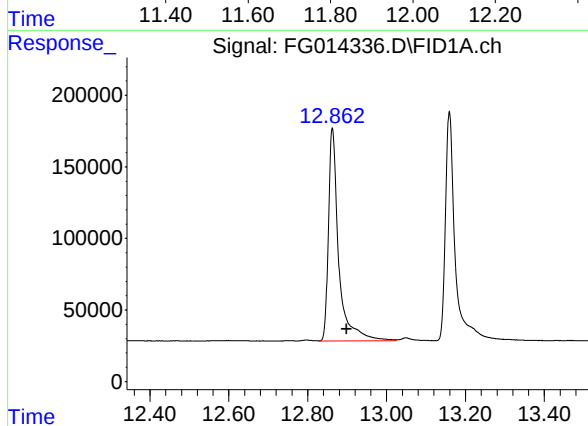
#10 Anthracene (C19.43)

R.T.: 11.115 min
Delta R.T.: -0.037 min
Response: 2762168
Conc: 19.91 ug/ml



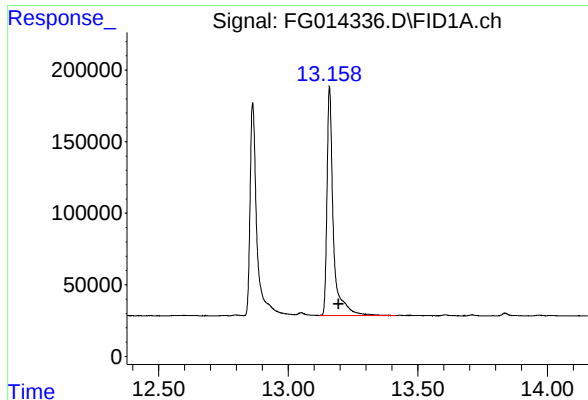
#11 ortho-Terphenyl (SURR)

R.T.: 11.808 min
Delta R.T.: -0.024 min
Response: 2755923
Conc: 20.45 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.863 min
Delta R.T.: -0.036 min
Response: 2707036
Conc: 20.88 ug/ml



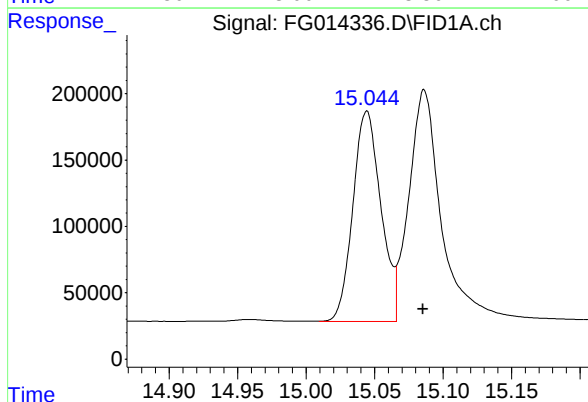
#13 Pyrene (C20.8)

R.T.: 13.159 min
Delta R.T.: -0.034 min
Response: 2742285
Conc: 21.00 ug/ml

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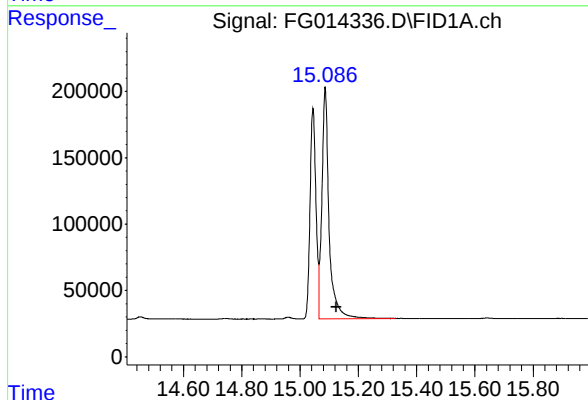
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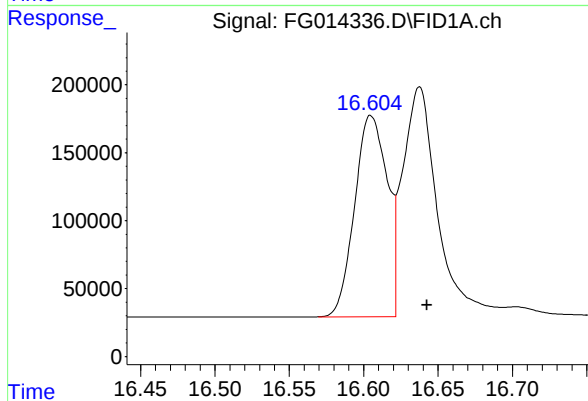
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.044 min
Delta R.T.: -0.041 min
Response: 2251281
Conc: 19.79 ug/ml m



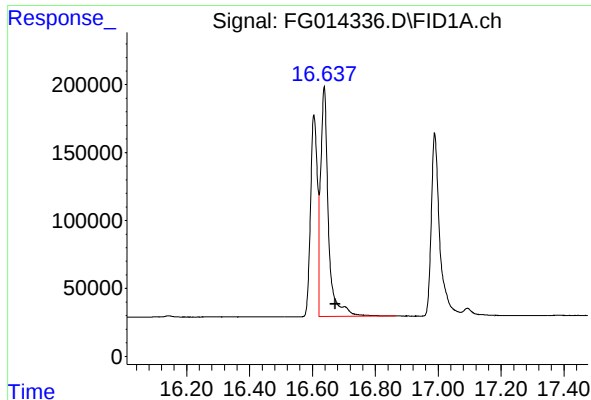
#15 Chrysene (C27.41)

R.T.: 15.086 min
Delta R.T.: -0.039 min
Response: 3000224
Conc: 21.22 ug/ml



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

R.T.: 16.604 min
Delta R.T.: -0.038 min
Response: 2258148
Conc: 19.70 ug/ml m



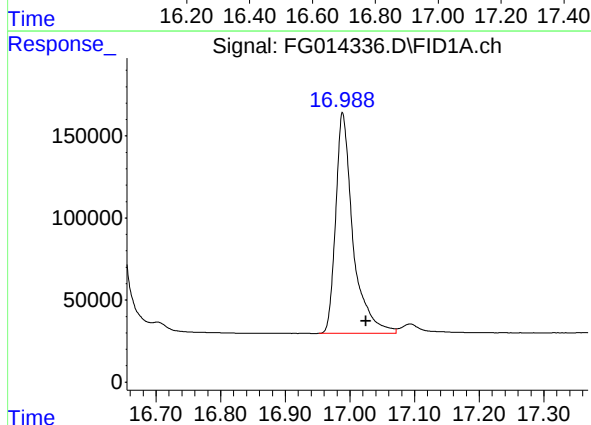
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.637 min
Delta R.T.: -0.036 min
Response: 2947190
Conc: 21.92 ug/ml

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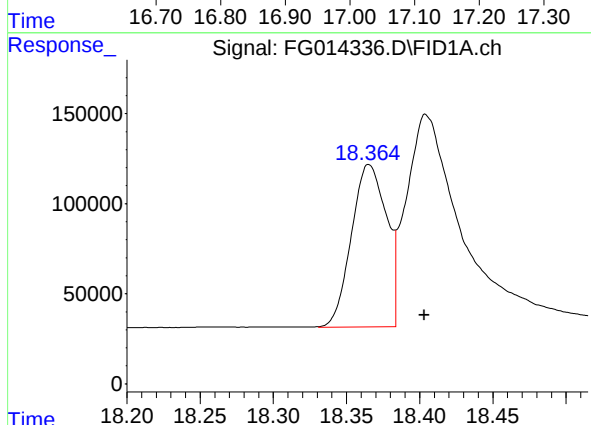
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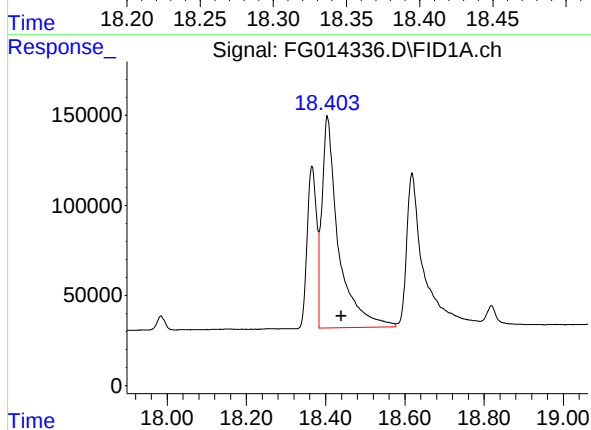
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.989 min
Delta R.T.: -0.036 min
Response: 2495971
Conc: 20.09 ug/ml



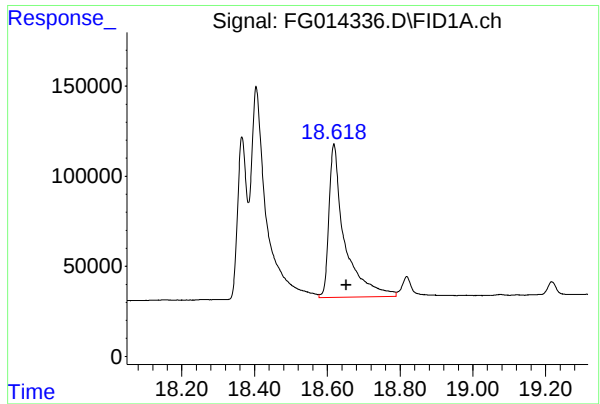
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.364 min
Delta R.T.: -0.039 min
Response: 1529218
Conc: 15.47 ug/ml m



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

R.T.: 18.405 min
Delta R.T.: -0.035 min
Response: 3421964
Conc: 23.24 ug/ml



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

R.T.: 18.618 min
Delta R.T.: -0.034 min
Response: 2548927
Conc: 19.50 ug/ml

Instrument :

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