

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092024AR\
 Data File : FG014315.D
 Signal(s) : FID1A.ch
 Acq On : 20 Sep 2024 19:25
 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 09/23/2024
 Supervised By :Ankita Jodhani 09/23/2024

Integration File: autoint1.e
 Quant Time: Sep 21 03:15:38 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...	7.871	2336029	20.880 ug/ml
Spiked Amount 50.000		Recovery =	41.76%
6) S 2-Fluorobiphenyl (SURR)	8.745	1467562	20.157 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.31%
11) S ortho-Terphenyl (SURR)	11.810	2726444	20.226 ug/ml
Spiked Amount 50.000		Recovery =	40.45%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.473	2645254	20.548 ug/ml
2) T Naphthalene (C11.7)	6.142	2638177	20.914 ug/ml
3) T 2-Methylnaphthalene (...)	7.241	2766823	21.723 ug/ml
5) T Acenaphthylene (C15.06)	8.541	2620427	20.161 ug/ml
7) T Acenaphthene (C15.5)	8.841	2833481	20.460 ug/ml
8) T Fluorene (C16.55)	9.634	2661698	20.534 ug/ml
9) T Phenanthrene (C19.36)	11.041	2409246	19.935 ug/ml
10) T Anthracene (C19.43)	11.117	2835965	20.442 ug/ml
12) T Fluoranthene (C21.85)	12.865	2667978	20.580 ug/ml
13) T Pyrene (C20.8)	13.162	2709384	20.750 ug/ml
14) T Benzo[a]anthracene (C...	15.046	2257335	19.843 ug/mlm
15) T Chrysene (C27.41)	15.088	2979999	21.081 ug/ml
16) T benzo[b]fluoranthene ...	16.608	2178686	19.009 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.640	2895515	21.533 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.990	2525588	20.325 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.366	1719442	17.395 ug/mlm
20) T Dibenz[a,h]anthracene...	18.406	3384496	22.990 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.619	2751147	21.049 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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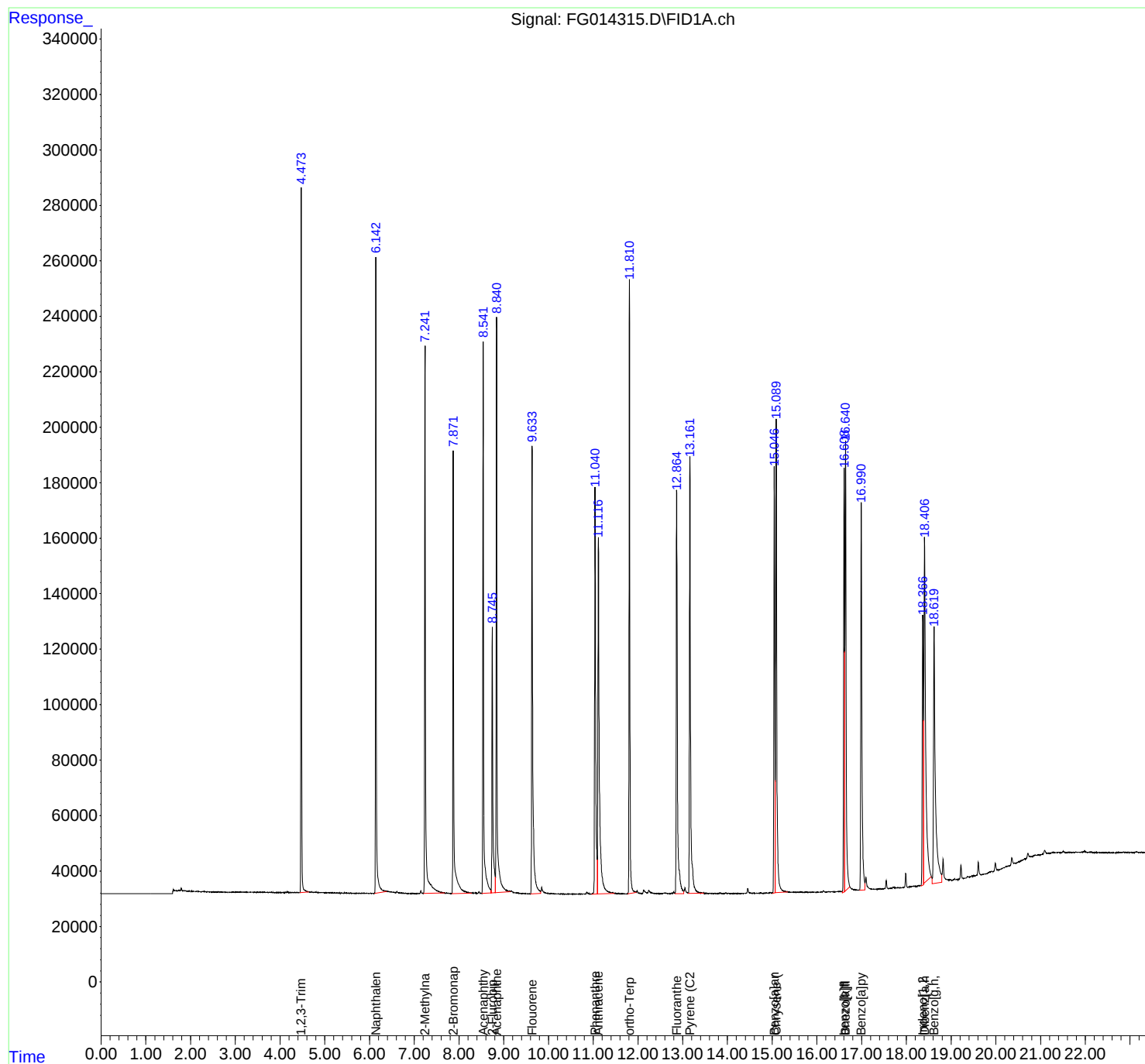
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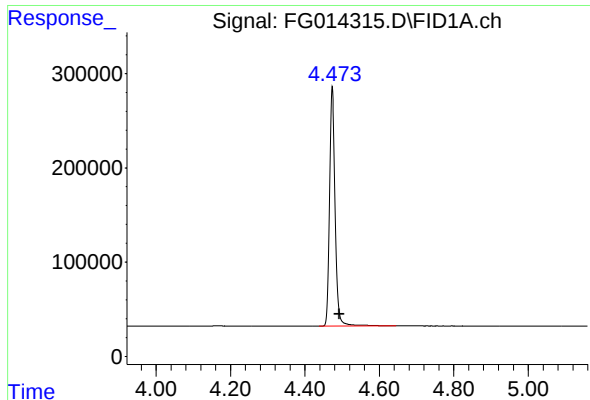
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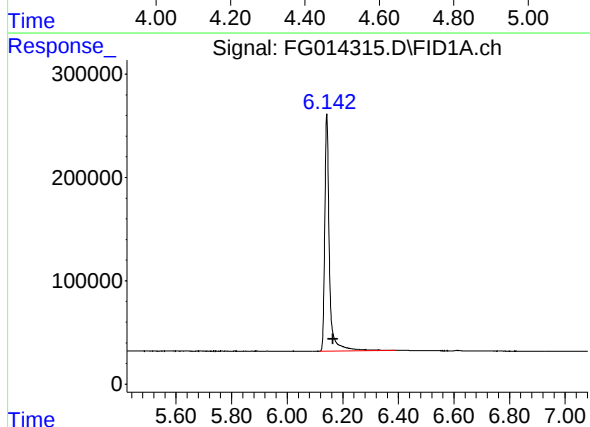
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.473 min
Delta R.T.: -0.019 min
Response: 2645254
Conc: 20.55 ug/ml

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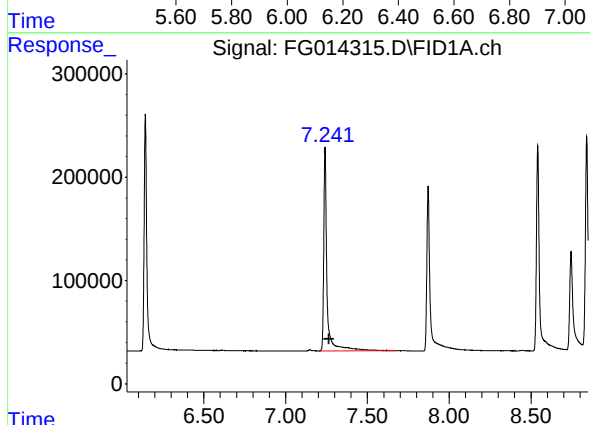
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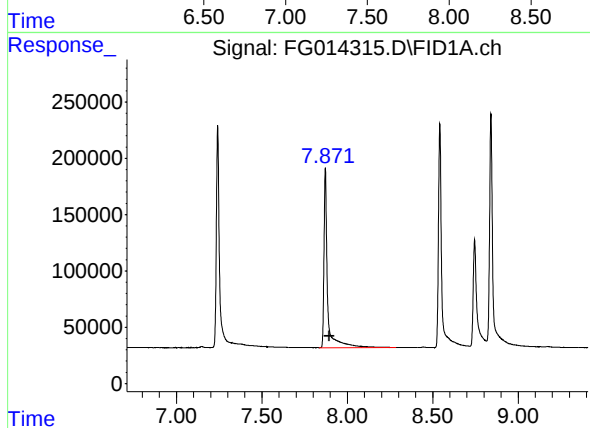
#2 Naphthalene (C11.7)

R.T.: 6.142 min
Delta R.T.: -0.022 min
Response: 2638177
Conc: 20.91 ug/ml



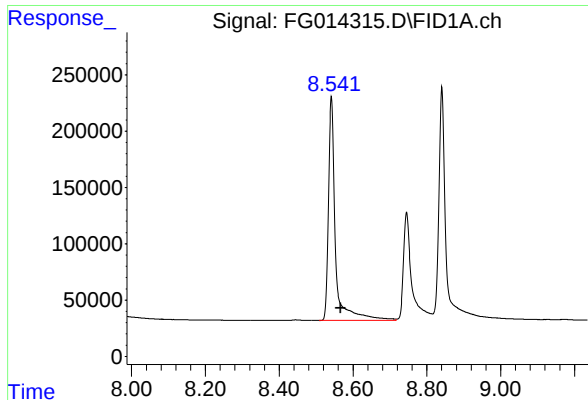
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.241 min
Delta R.T.: -0.025 min
Response: 2766823
Conc: 21.72 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.871 min
Delta R.T.: -0.024 min
Response: 2336029
Conc: 20.88 ug/ml



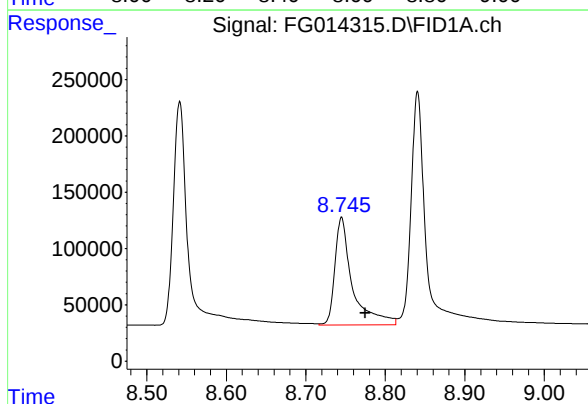
#5 Acenaphthylene (C15.06)

R.T.: 8.541 min
Delta R.T.: -0.025 min
Response: 2620427
Conc: 20.16 ug/ml

Instrument :
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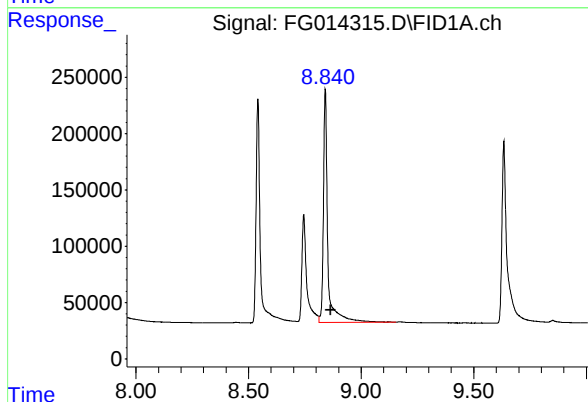
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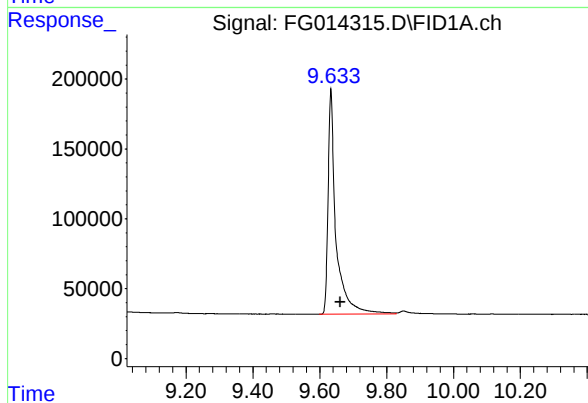
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.745 min
Delta R.T.: -0.030 min
Response: 1467562
Conc: 20.16 ug/ml



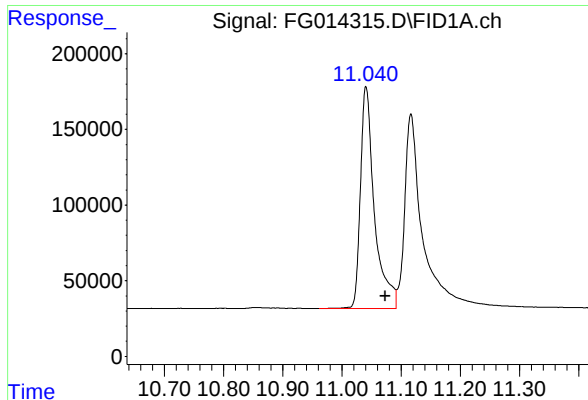
#7 Acenaphthene (C15.5)

R.T.: 8.841 min
Delta R.T.: -0.024 min
Response: 2833481
Conc: 20.46 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.634 min
Delta R.T.: -0.027 min
Response: 2661698
Conc: 20.53 ug/ml



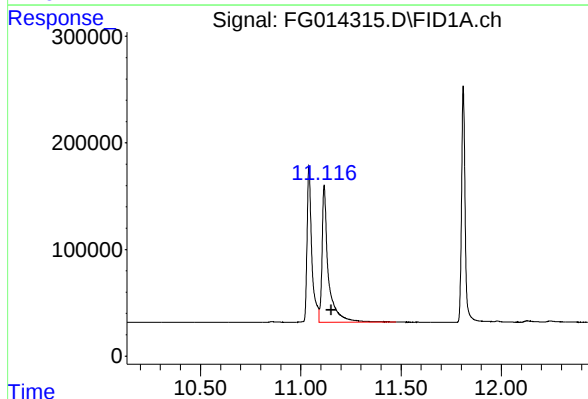
#9 Phenanthrene (C19.36)

R.T.: 11.041 min
Delta R.T.: -0.032 min
Response: 2409246
Conc: 19.93 ug/ml

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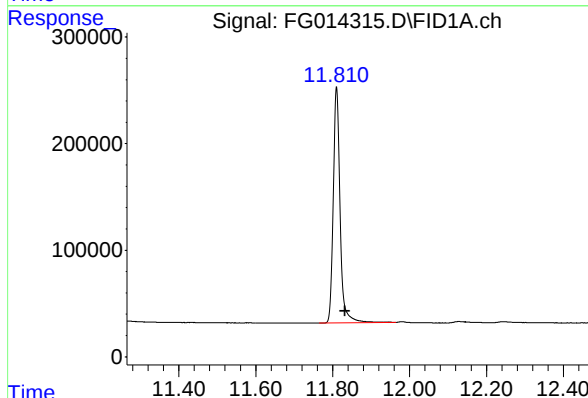
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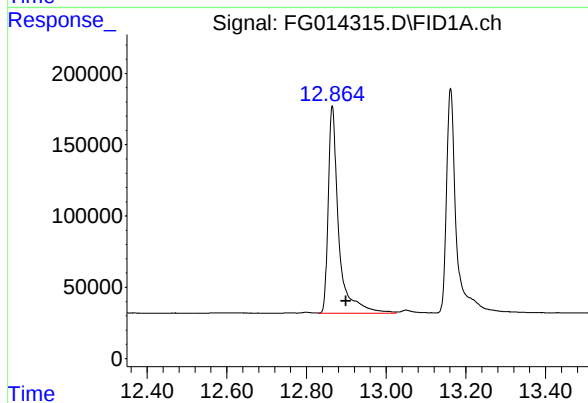
#10 Anthracene (C19.43)

R.T.: 11.117 min
Delta R.T.: -0.035 min
Response: 2835965
Conc: 20.44 ug/ml



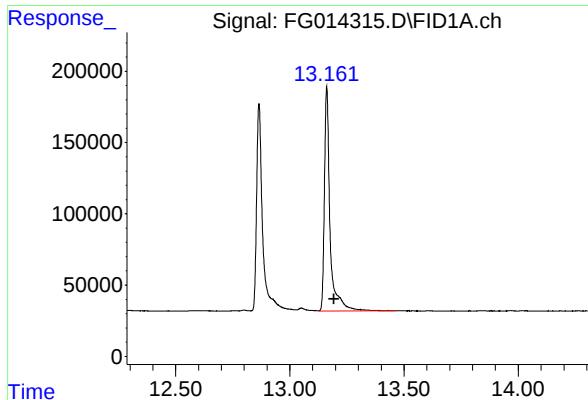
#11 ortho-Terphenyl (SURR)

R.T.: 11.810 min
Delta R.T.: -0.022 min
Response: 2726444
Conc: 20.23 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.865 min
Delta R.T.: -0.034 min
Response: 2667978
Conc: 20.58 ug/ml



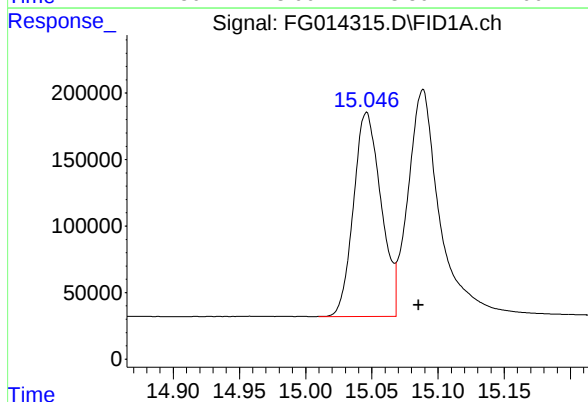
#13 Pyrene (C20.8)

R.T.: 13.162 min
Delta R.T.: -0.032 min
Response: 2709384
Conc: 20.75 ug/ml

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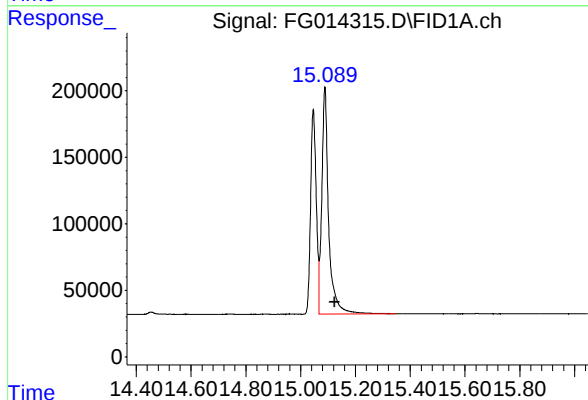
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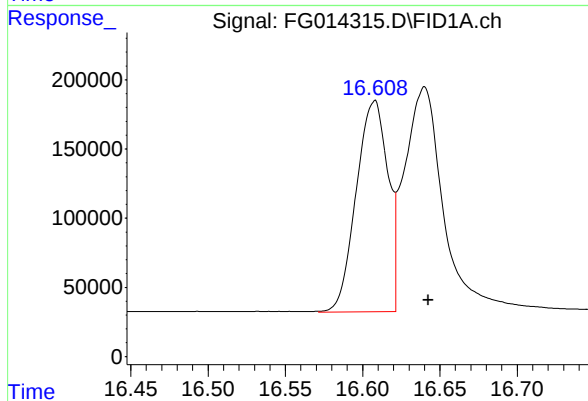
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.046 min
Delta R.T.: -0.040 min
Response: 2257335
Conc: 19.84 ug/ml m



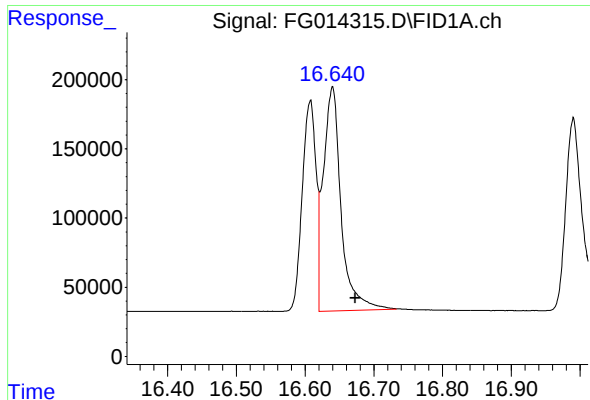
#15 Chrysene (C27.41)

R.T.: 15.088 min
Delta R.T.: -0.037 min
Response: 2979999
Conc: 21.08 ug/ml



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

R.T.: 16.608 min
Delta R.T.: -0.034 min
Response: 2178686
Conc: 19.01 ug/ml m



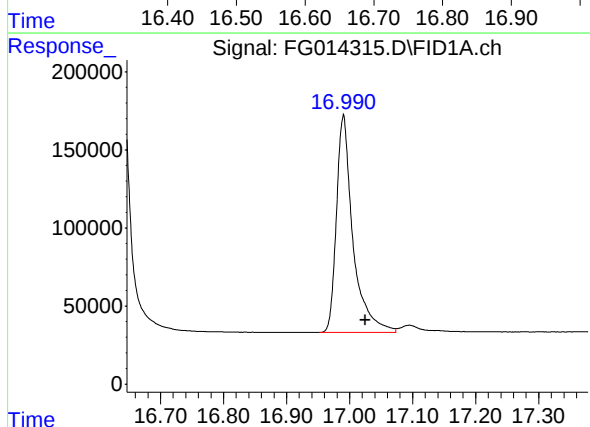
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.640 min
Delta R.T.: -0.034 min
Response: 2895515
Conc: 21.53 ug/ml

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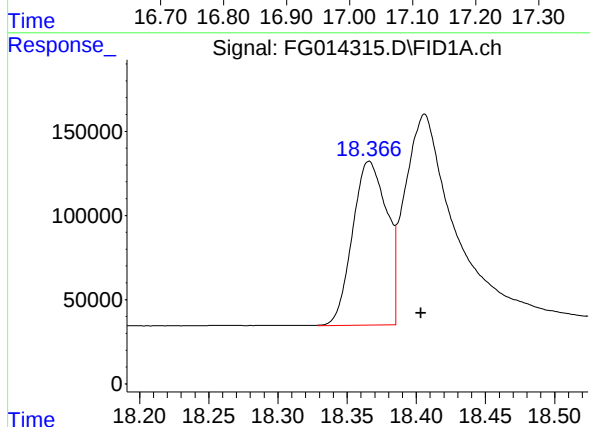
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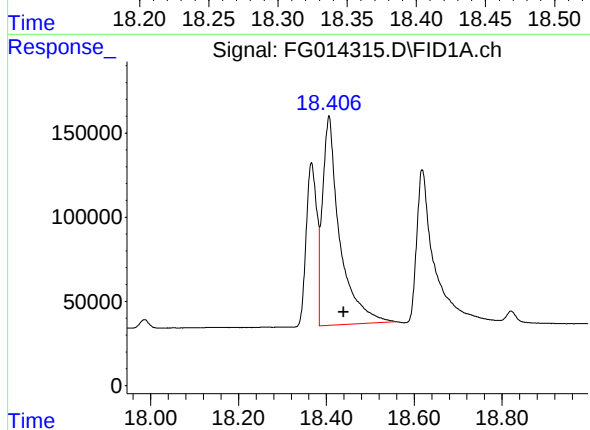
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.990 min
Delta R.T.: -0.035 min
Response: 2525588
Conc: 20.33 ug/ml



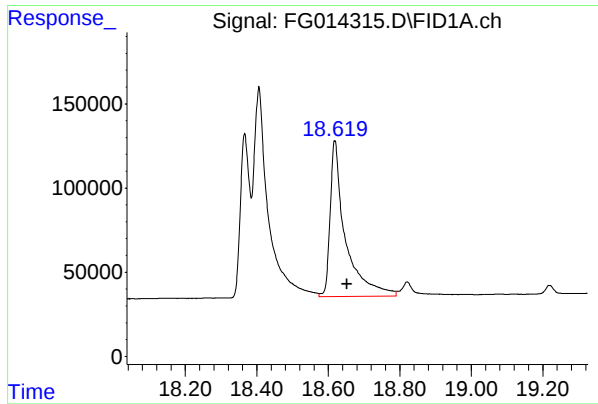
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.366 min
Delta R.T.: -0.037 min
Response: 1719442
Conc: 17.40 ug/ml m



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

R.T.: 18.406 min
Delta R.T.: -0.034 min
Response: 3384496
Conc: 22.99 ug/ml m



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

R.T.: 18.619 min
Delta R.T.: -0.033 min
Response: 2751147
Conc: 21.05 ug/ml

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