

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD080823AR\
 Data File : FD046299.D
 Signal(s) : FID2B.ch
 Acq On : 08 Aug 2023 13:01
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/09/2023
 Supervised By :Ankita Jodhani 08/09/2023

Integration File: autoint1.e
 Quant Time: Aug 09 01:43:47 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071923.M
 Quant Title : GC Extractables
 QLast Update : Thu Jul 20 03:07:14 2023
 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...	7.501	3451512	23.090 ug/ml
Spiked Amount 50.000		Recovery =	46.18%
6) S 2-Fluorobiphenyl (SURR)	8.355	2175909	23.244 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	46.49%
11) S ortho-Terphenyl (SURR)	11.393	4205615	24.082 ug/ml
Spiked Amount 50.000		Recovery =	48.16%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.313	4217387	23.148 ug/ml
2) T Naphthalene (C11.7)	5.841	4183589	23.163 ug/ml
3) T 2-Methylnaphthalene (...)	6.889	4063385	23.087 ug/ml
5) T Acenaphthylene (C15.06)	8.158	3504899	22.971 ug/ml
7) T Acenaphthene (C15.5)	8.454	3765068	23.090 ug/ml
8) T Flouorene (C16.55)	9.232	3529654	23.197 ug/ml
9) T Phenanthrene (C19.36)	10.621	3433308	23.843 ug/ml
10) T Anthracene (C19.43)	10.695	2782637	21.263 ug/ml
12) T Fluoranthene (C21.85)	12.424	3426416	24.521 ug/ml
13) T Pyrene (C20.8)	12.719	3366070	24.287 ug/ml
14) T Benzo[a]anthracene (C...	14.582	3020509	23.012 ug/ml
15) T Chrysene (C27.41)	14.624	3378275	23.959 ug/ml
16) T benzo[b]fluoranthene ...	16.125	3122972	22.835 ug/ml
17) T Bnezo[k]fluoranthene ...	16.157	3094032	22.573 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.498	2698029	20.724 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.854	1887436	15.693 ug/mlm
20) T Dibenz[a,h]anthracene...	17.896	2070783	16.191 ug/ml
21) T Benzo[g,h,i]perylene ...	18.106	2178110	17.168 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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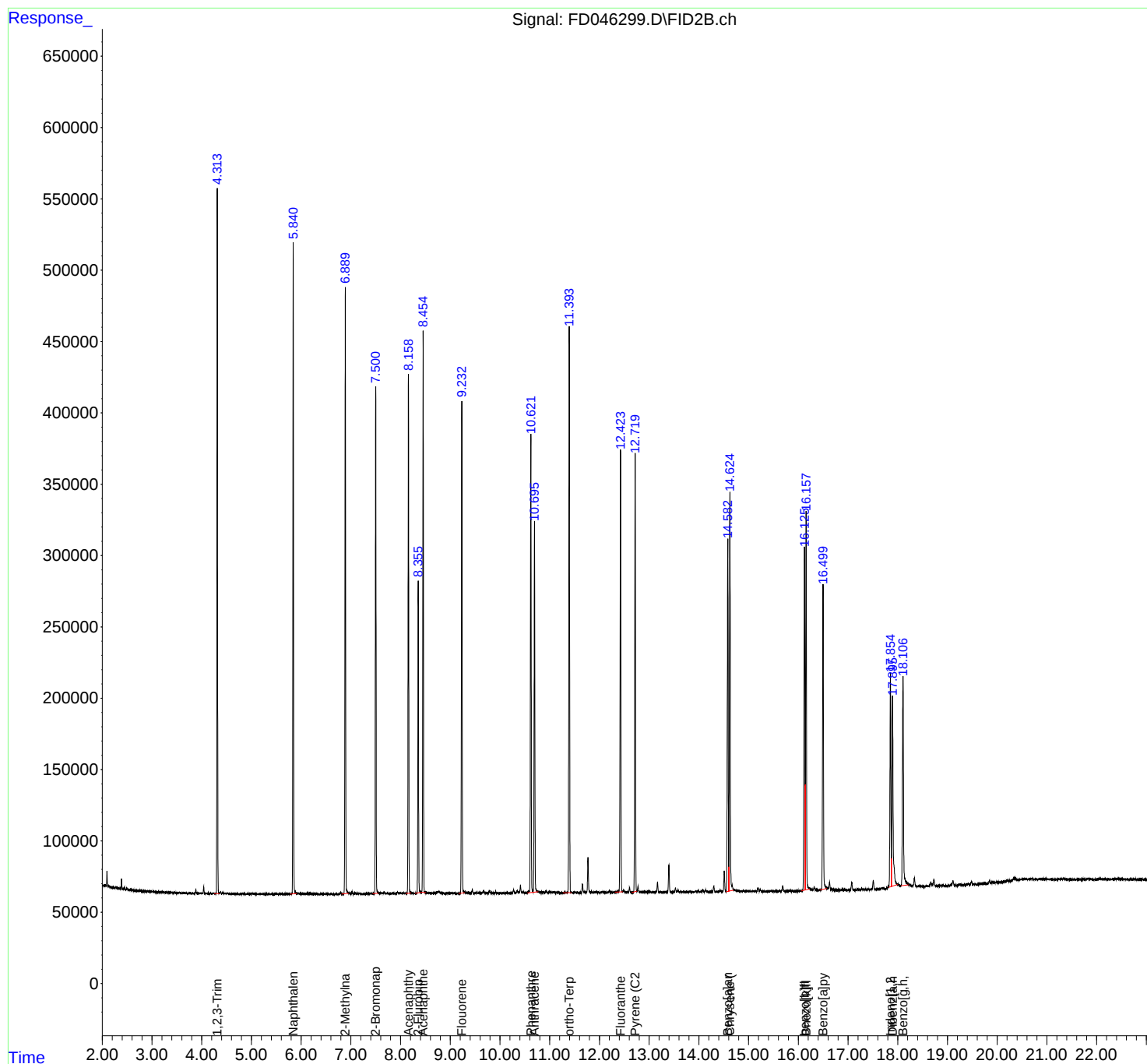
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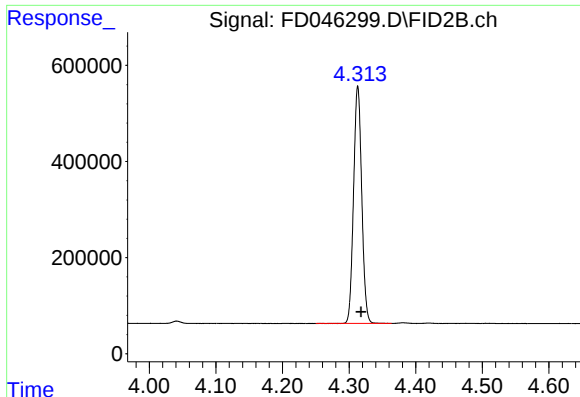
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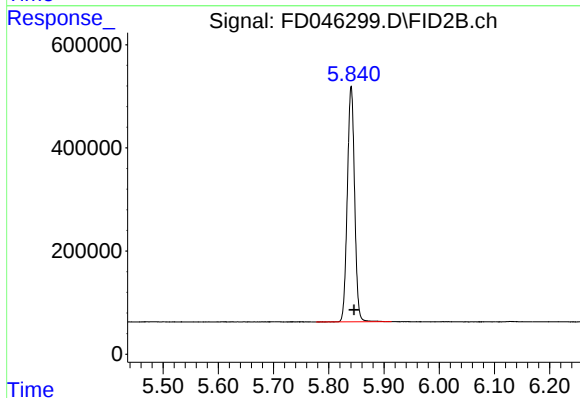
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.313 min
Delta R.T.: -0.005 min
Response: 4217387
Conc: 23.15 ug/ml

Instrument :
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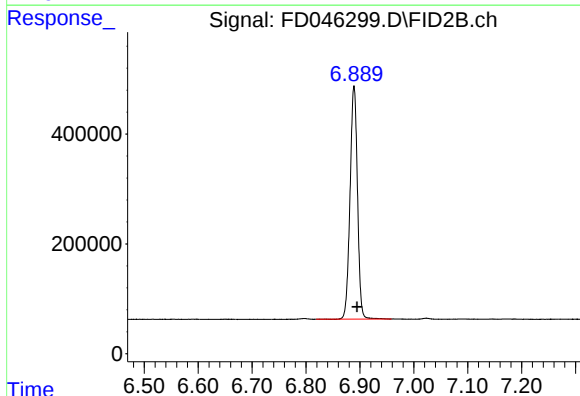
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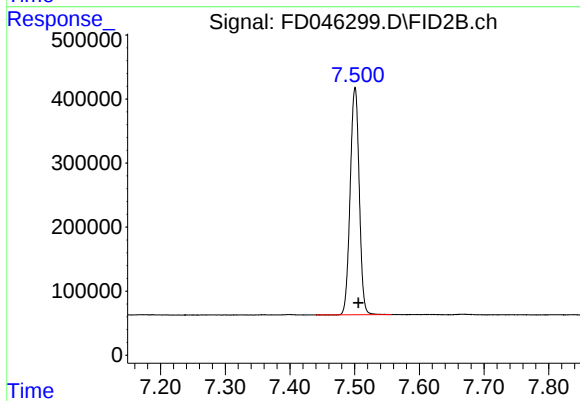
#2 Naphthalene (C11.7)

R.T.: 5.841 min
Delta R.T.: -0.005 min
Response: 4183589
Conc: 23.16 ug/ml



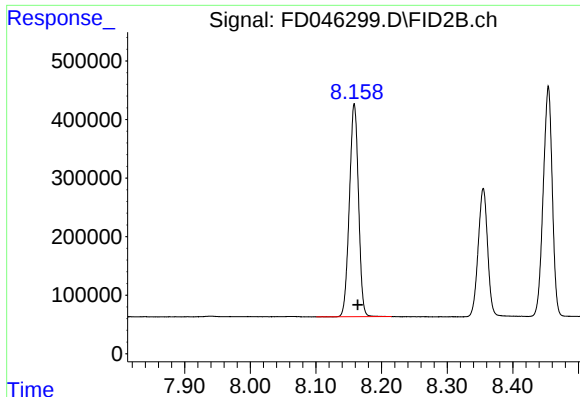
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.889 min
Delta R.T.: -0.005 min
Response: 4063385
Conc: 23.09 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.501 min
Delta R.T.: -0.005 min
Response: 3451512
Conc: 23.09 ug/ml



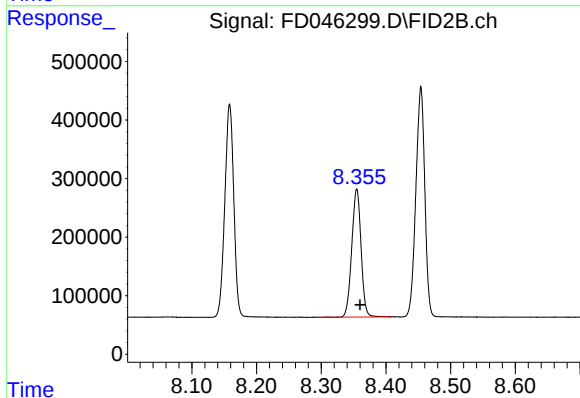
#5 Acenaphthylene (C15.06)

R.T.: 8.158 min
Delta R.T.: -0.005 min
Response: 3504899
Conc: 22.97 ug/ml

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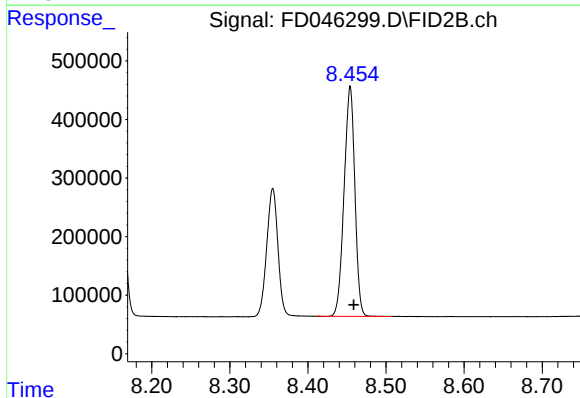
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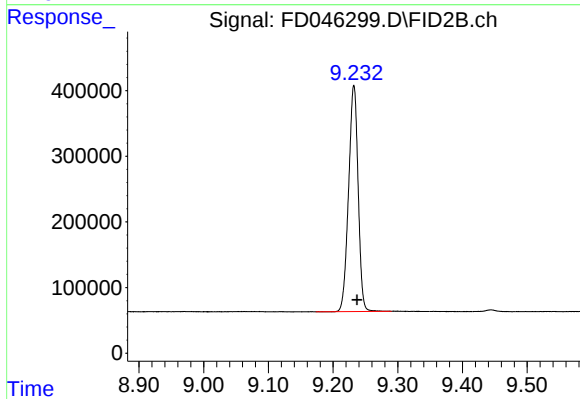
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.355 min
Delta R.T.: -0.005 min
Response: 2175909
Conc: 23.24 ug/ml



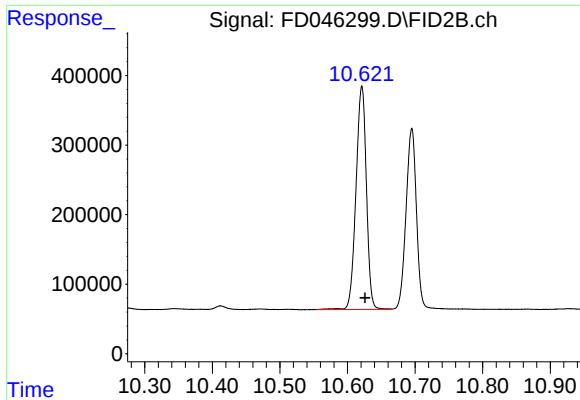
#7 Acenaphthene (C15.5)

R.T.: 8.454 min
Delta R.T.: -0.005 min
Response: 3765068
Conc: 23.09 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.232 min
Delta R.T.: -0.005 min
Response: 3529654
Conc: 23.20 ug/ml



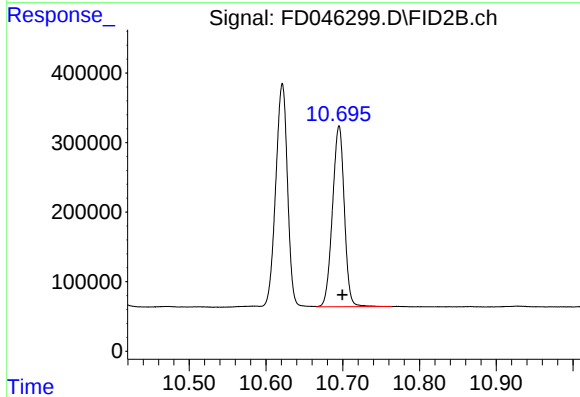
#9 Phenanthrene (C19.36)

R.T.: 10.621 min
Delta R.T.: -0.005 min
Response: 3433308
Conc: 23.84 ug/ml

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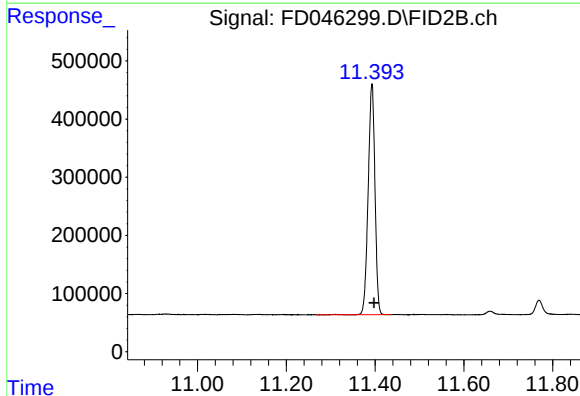
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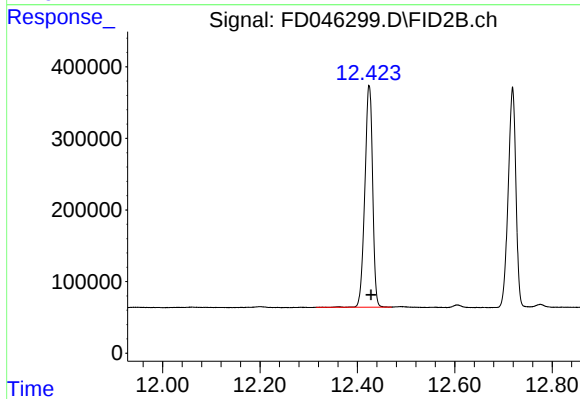
#10 Anthracene (C19.43)

R.T.: 10.695 min
Delta R.T.: -0.005 min
Response: 2782637
Conc: 21.26 ug/ml



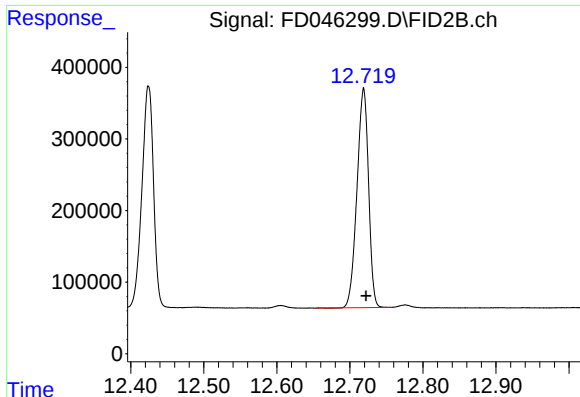
#11 ortho-Terphenyl (SURR)

R.T.: 11.393 min
Delta R.T.: -0.005 min
Response: 4205615
Conc: 24.08 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.424 min
Delta R.T.: -0.004 min
Response: 3426416
Conc: 24.52 ug/ml



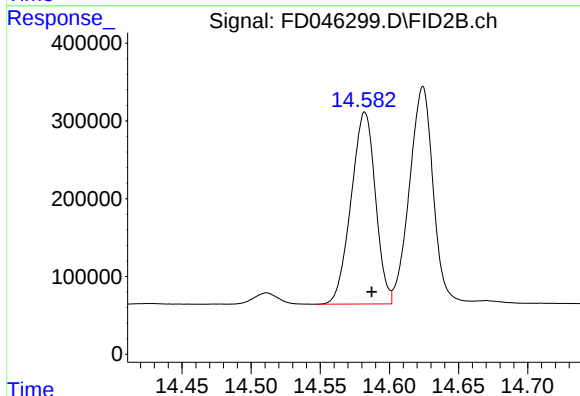
#13 Pyrene (C20.8)

R.T.: 12.719 min
Delta R.T.: -0.004 min
Response: 3366070
Conc: 24.29 ug/ml

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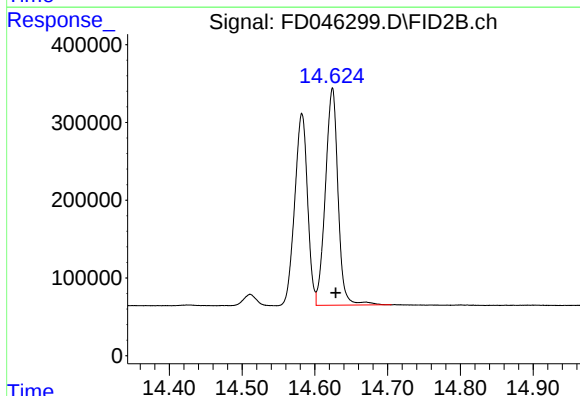
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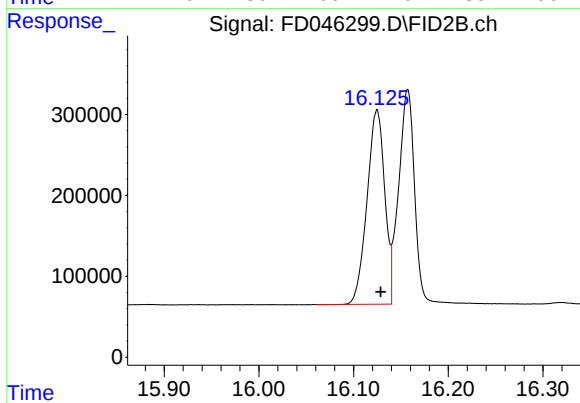
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.582 min
Delta R.T.: -0.005 min
Response: 3020509
Conc: 23.01 ug/ml



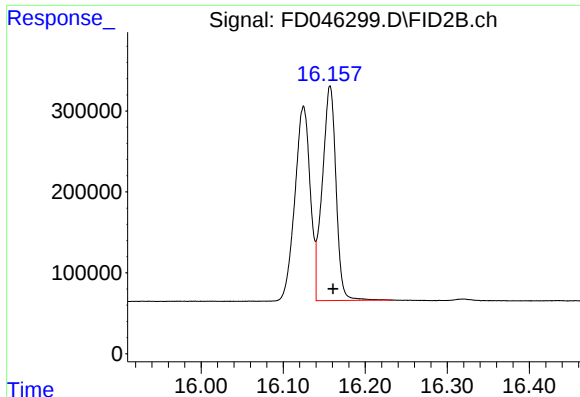
#15 Chrysene (C27.41)

R.T.: 14.624 min
Delta R.T.: -0.005 min
Response: 3378275
Conc: 23.96 ug/ml



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

R.T.: 16.125 min
Delta R.T.: -0.004 min
Response: 3122972
Conc: 22.83 ug/ml



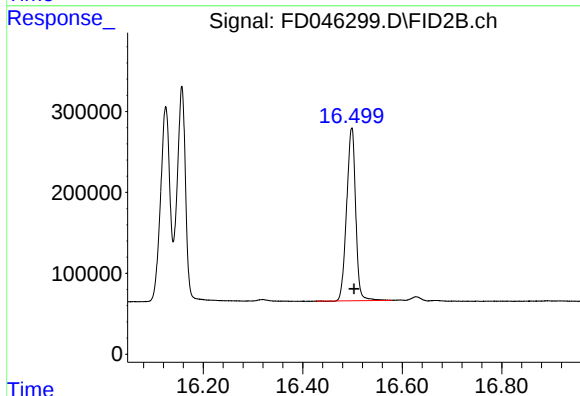
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.157 min
Delta R.T.: -0.004 min
Response: 3094032
Conc: 22.57 ug/ml

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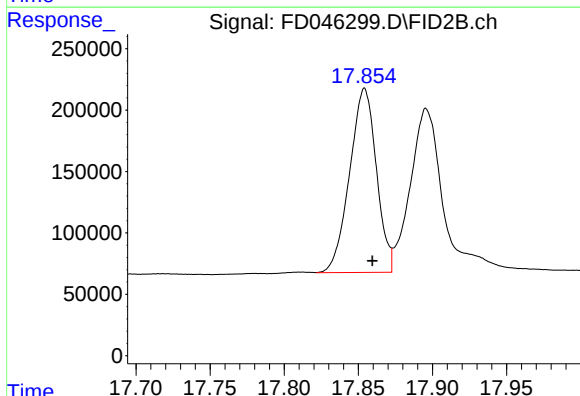
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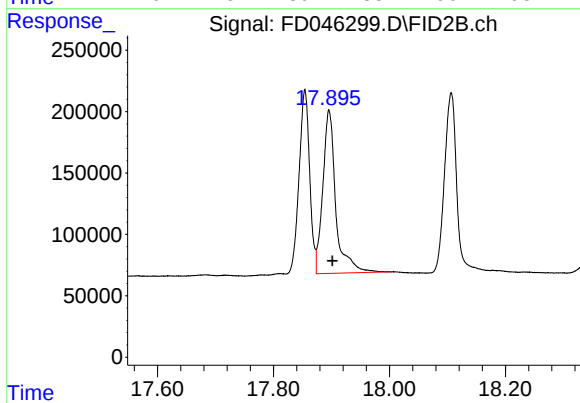
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.498 min
Delta R.T.: -0.005 min
Response: 2698029
Conc: 20.72 ug/ml



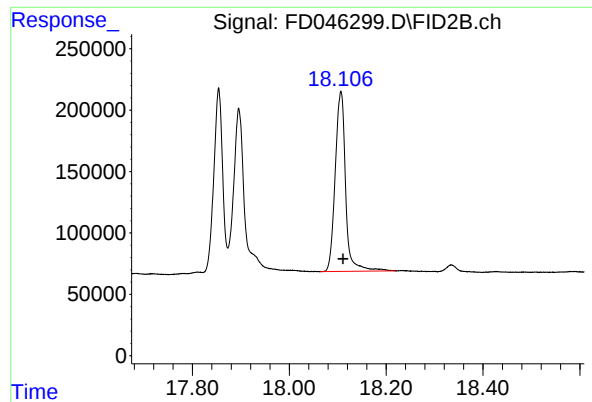
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.854 min
Delta R.T.: -0.006 min
Response: 1887436
Conc: 15.69 ug/ml m



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

R.T.: 17.896 min
Delta R.T.: -0.006 min
Response: 2070783
Conc: 16.19 ug/ml



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

R.T.: 18.106 min
Delta R.T.: -0.005 min
Response: 2178110
Conc: 17.17 ug/ml

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