

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD080924AR\
 Data File : FD048191.D
 Signal(s) : FID2B.ch
 Acq On : 09 Aug 2024 13:59
 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 08/12/2024
 Supervised By :Ankita Jodhani 08/12/2024

Integration File: autoint1.e
 Quant Time: Aug 10 05:03:43 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071524.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 15 13:13:15 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...	7.398	2792198	18.787 ug/ml
Spiked Amount 50.000		Recovery =	37.57%
6) S 2-Fluorobiphenyl (SURR)	8.249	1832883	19.367 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	38.73%
11) S ortho-Terphenyl (SURR)	11.285	3178997	19.000 ug/ml
Spiked Amount 50.000		Recovery =	38.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.219	3171157	18.938 ug/ml
2) T Naphthalene (C11.7)	5.739	3279005	18.974 ug/ml
3) T 2-Methylnaphthalene (...)	6.785	3290178	18.967 ug/ml
5) T Acenaphthylene (C15.06)	8.051	3215239	18.762 ug/ml
7) T Acenaphthene (C15.5)	8.346	3260054	18.792 ug/ml
8) T Flouorene (C16.55)	9.124	3133530	19.293 ug/ml
9) T Phenanthrene (C19.36)	10.512	3074275	19.358 ug/ml
10) T Anthracene (C19.43)	10.588	2896979	18.347 ug/ml
12) T Fluoranthene (C21.85)	12.317	3060572	19.330 ug/ml
13) T Pyrene (C20.8)	12.610	3042599	19.241 ug/ml
14) T Benzo[a]anthracene (C...	14.479	2770829	20.295 ug/ml
15) T Chrysene (C27.41)	14.520	3014165	18.698 ug/ml
16) T benzo[b]fluoranthene ...	16.025	2931115	20.364 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.056	2811397	18.823 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.400	2843980	20.079 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.763	2510279	22.257 ug/mlm
20) T Dibenz[a,h]anthracene...	17.804	2951259	20.307 ug/ml
21) T Benzo[g,h,i]perylene ...	18.015	2897609	19.662 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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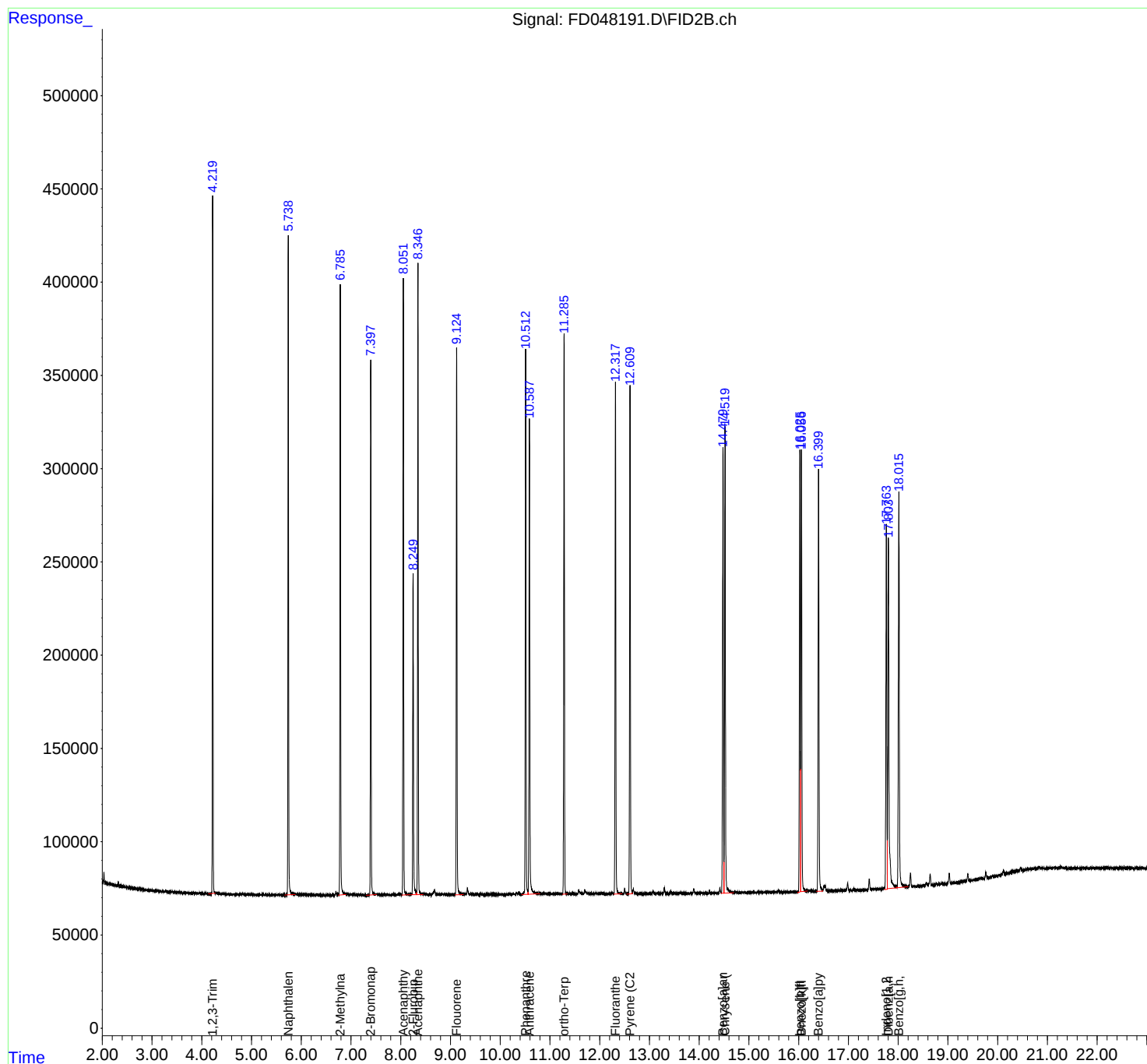
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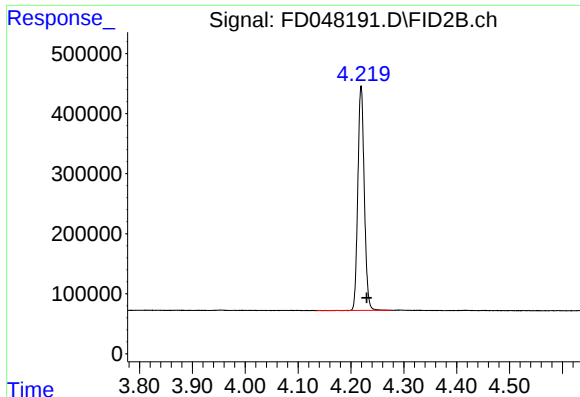
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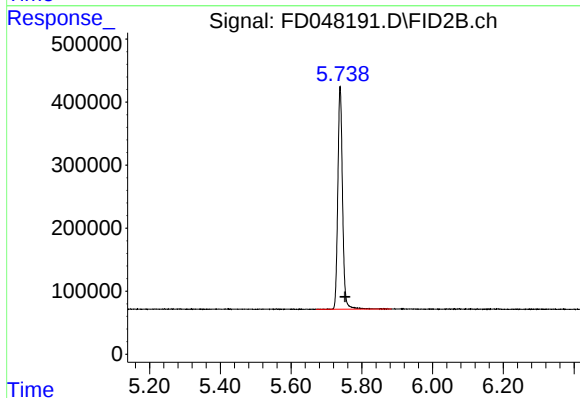
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.219 min
Delta R.T.: -0.011 min
Response: 3171157
Conc: 18.94 ug/ml

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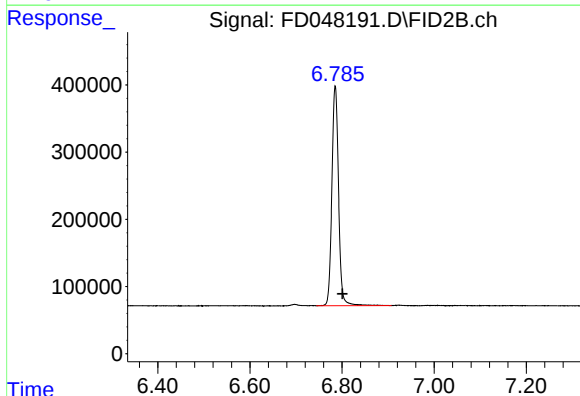
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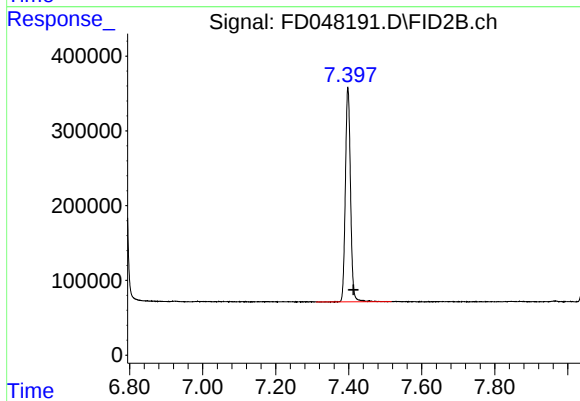
#2 Naphthalene (C11.7)

R.T.: 5.739 min
Delta R.T.: -0.015 min
Response: 3279005
Conc: 18.97 ug/ml



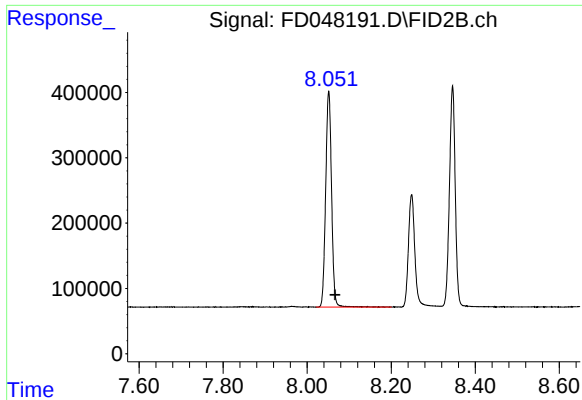
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.785 min
Delta R.T.: -0.016 min
Response: 3290178
Conc: 18.97 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.398 min
Delta R.T.: -0.015 min
Response: 2792198
Conc: 18.79 ug/ml



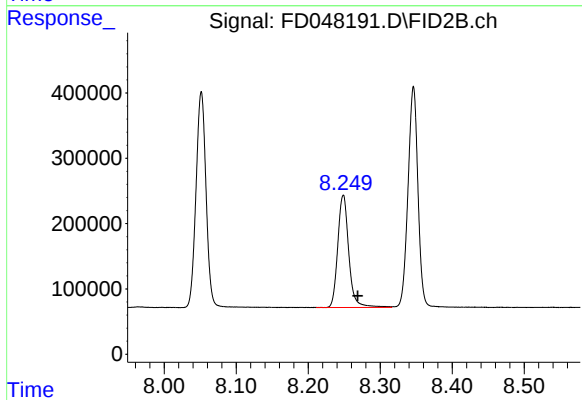
#5 Acenaphthylene (C15.06)

R.T.: 8.051 min
Delta R.T.: -0.015 min
Response: 3215239
Conc: 18.76 ug/ml

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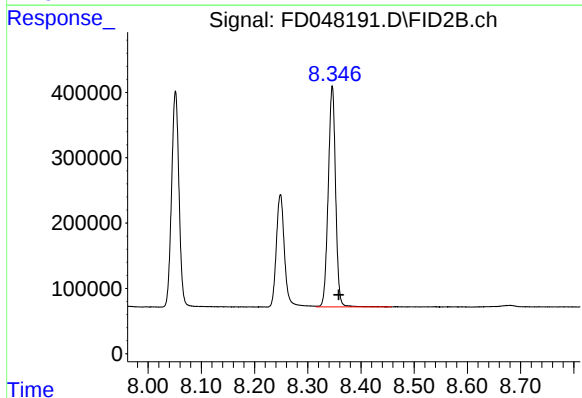
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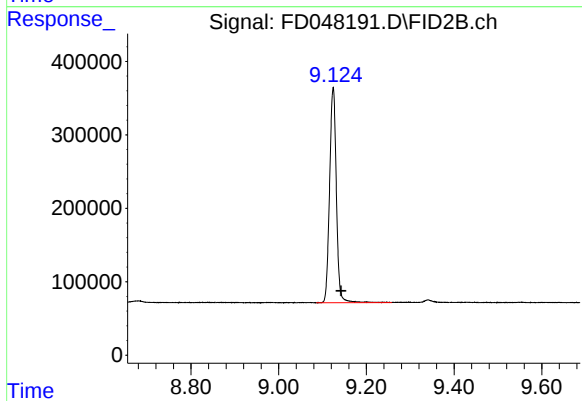
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.249 min
Delta R.T.: -0.020 min
Response: 1832883
Conc: 19.37 ug/ml



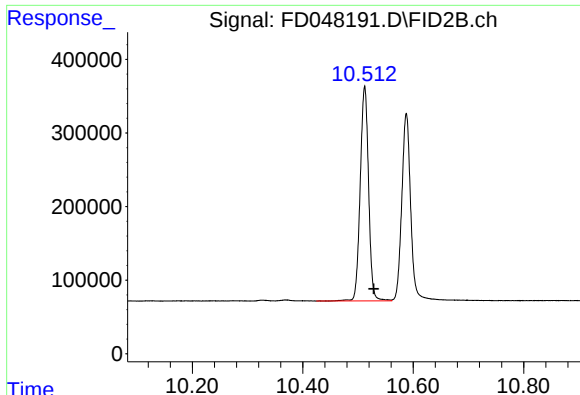
#7 Acenaphthene (C15.5)

R.T.: 8.346 min
Delta R.T.: -0.013 min
Response: 3260054
Conc: 18.79 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.124 min
Delta R.T.: -0.018 min
Response: 3133530
Conc: 19.29 ug/ml



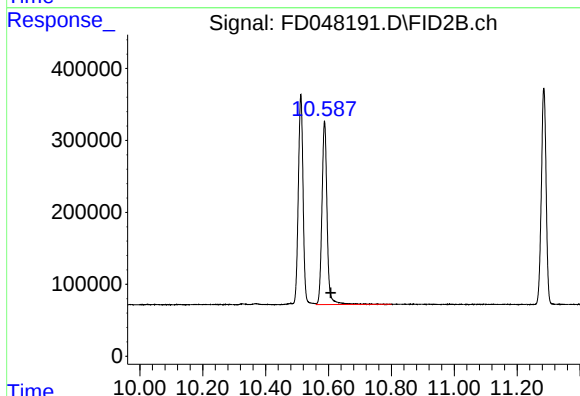
#9 Phenanthrene (C19.36)

R.T.: 10.512 min
Delta R.T.: -0.017 min
Response: 3074275
Conc: 19.36 ug/ml

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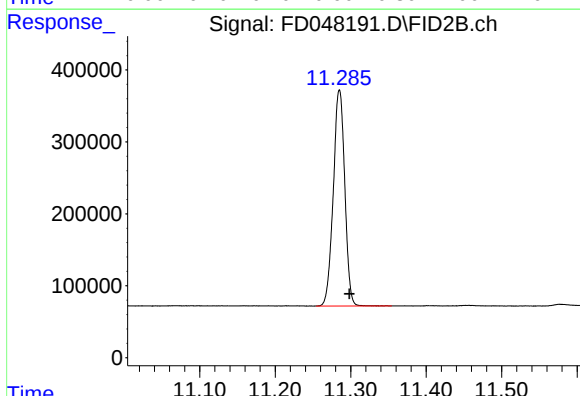
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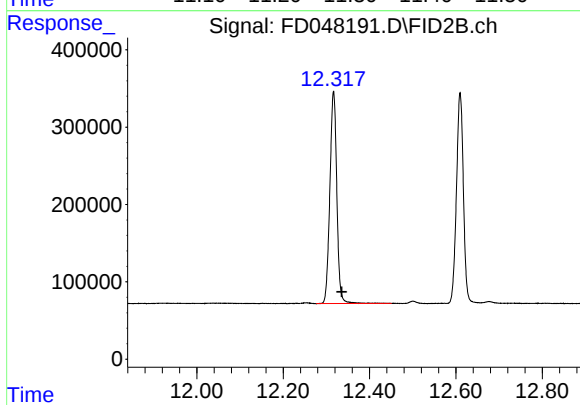
#10 Anthracene (C19.43)

R.T.: 10.588 min
Delta R.T.: -0.020 min
Response: 2896979
Conc: 18.35 ug/ml



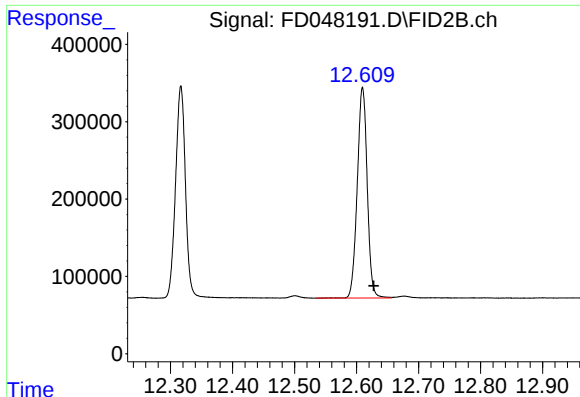
#11 ortho-Terphenyl (SURR)

R.T.: 11.285 min
Delta R.T.: -0.013 min
Response: 3178997
Conc: 19.00 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.317 min
Delta R.T.: -0.019 min
Response: 3060572
Conc: 19.33 ug/ml



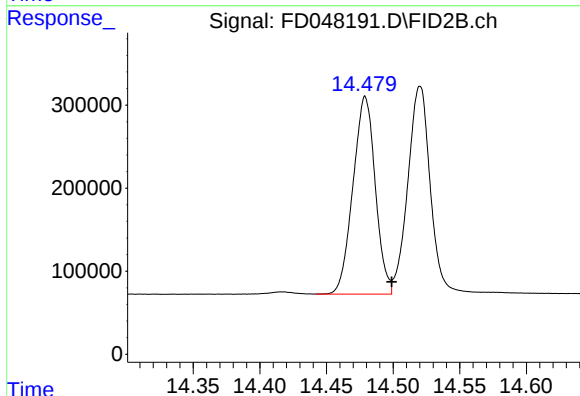
#13 Pyrene (C20.8)

R.T.: 12.610 min
Delta R.T.: -0.018 min
Response: 3042599
Conc: 19.24 ug/ml

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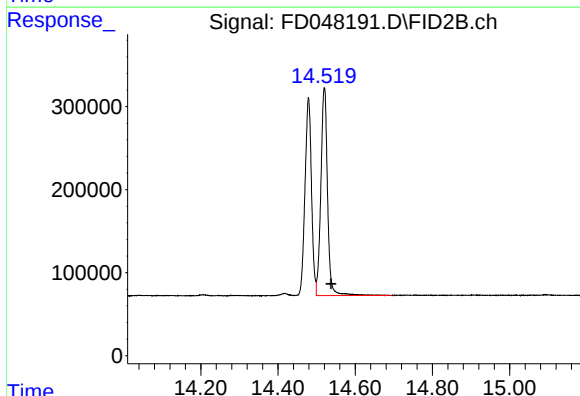
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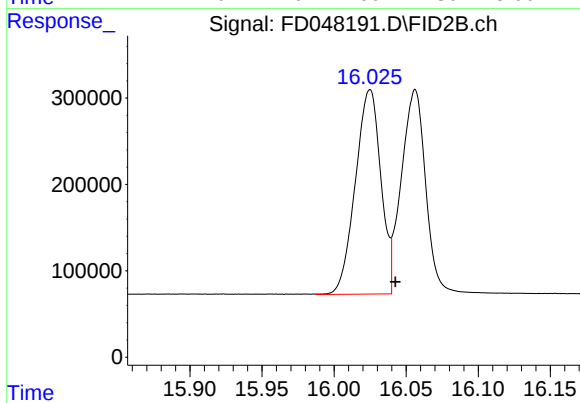
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.479 min
Delta R.T.: -0.020 min
Response: 2770829
Conc: 20.29 ug/ml



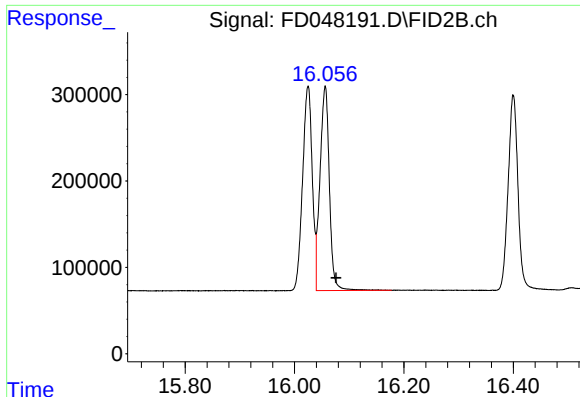
#15 Chrysene (C27.41)

R.T.: 14.520 min
Delta R.T.: -0.017 min
Response: 3014165
Conc: 18.70 ug/ml



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

R.T.: 16.025 min
Delta R.T.: -0.018 min
Response: 2931115
Conc: 20.36 ug/ml m



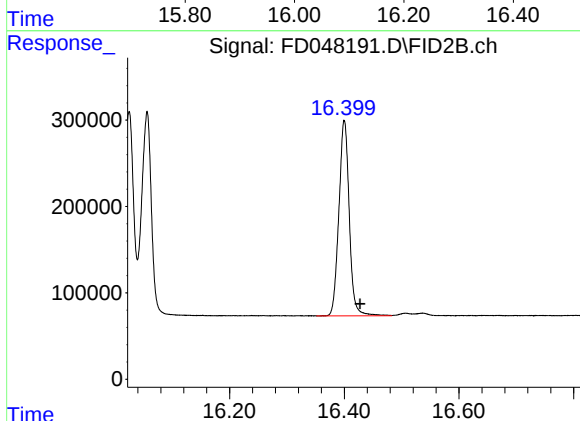
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.056 min
Delta R.T.: -0.020 min
Response: 2811397
Conc: 18.82 ug/ml

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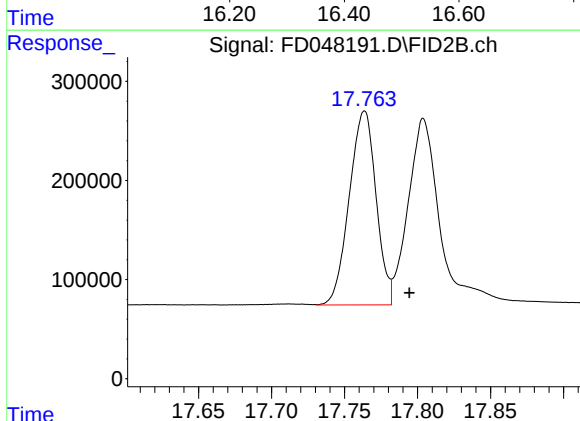
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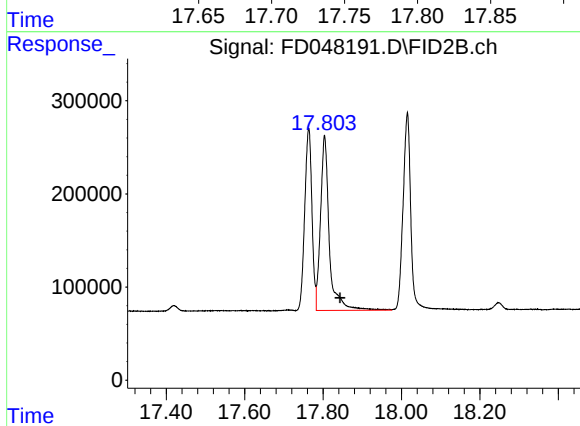
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.400 min
Delta R.T.: -0.027 min
Response: 2843980
Conc: 20.08 ug/ml



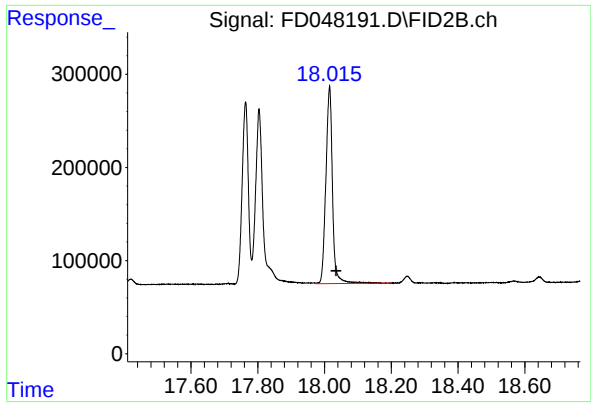
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.763 min
Delta R.T.: -0.031 min
Response: 2510279
Conc: 22.26 ug/ml m



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

R.T.: 17.804 min
Delta R.T.: -0.040 min
Response: 2951259
Conc: 20.31 ug/ml



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

R.T.: 18.015 min
Delta R.T.: -0.020 min
Response: 2897609
Conc: 19.66 ug/ml

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