

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060624AR\
 Data File : FD047878.D
 Signal(s) : FID2B.ch
 Acq On : 06 Jun 2024 11:48
 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 06/07/2024
 Supervised By :Ankita Jodhani 06/07/2024

Integration File: autoint1.e
 Quant Time: Jun 07 04:24:52 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052124.M
 Quant Title : GC Extractables
 QLast Update : Tue May 21 19:00:48 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...	7.431	2886346	20.559 ug/ml
Spiked Amount 50.000		Recovery =	41.12%
6) S 2-Fluorobiphenyl (SURR)	8.284	1891165	20.420 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.84%
11) S ortho-Terphenyl (SURR)	11.322	3290999	20.583 ug/ml
Spiked Amount 50.000		Recovery =	41.17%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.247	3270516	20.708 ug/ml
2) T Naphthalene (C11.7)	5.770	3377980	20.695 ug/ml
3) T 2-Methylnaphthalene (...)	6.818	3386686	20.553 ug/ml
5) T Acenaphthylene (C15.06)	8.086	3315770	20.287 ug/ml
7) T Acenaphthene (C15.5)	8.381	3352248	20.531 ug/ml
8) T Flouorene (C16.55)	9.160	3198753	20.333 ug/ml
9) T Phenanthrene (C19.36)	10.549	3165370	20.527 ug/ml
10) T Anthracene (C19.43)	10.625	2670591	17.764 ug/ml
12) T Fluoranthene (C21.85)	12.354	3128857	20.618 ug/ml
13) T Pyrene (C20.8)	12.649	3153928	20.921 ug/ml
14) T Benzo[a]anthracene (C...	14.517	2752003	20.075 ug/mlm
15) T Chrysene (C27.41)	14.560	3035967	20.608 ug/ml
16) T benzo[b]fluoranthene ...	16.065	2901817	20.618 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.097	2802326	20.578 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.442	2736756	19.772 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.804	2146942	18.623 ug/mlm
20) T Dibenz[a,h]anthracene...	17.845	2633312	19.748 ug/ml
21) T Benzo[g,h,i]perylene ...	18.054	2642087	19.867 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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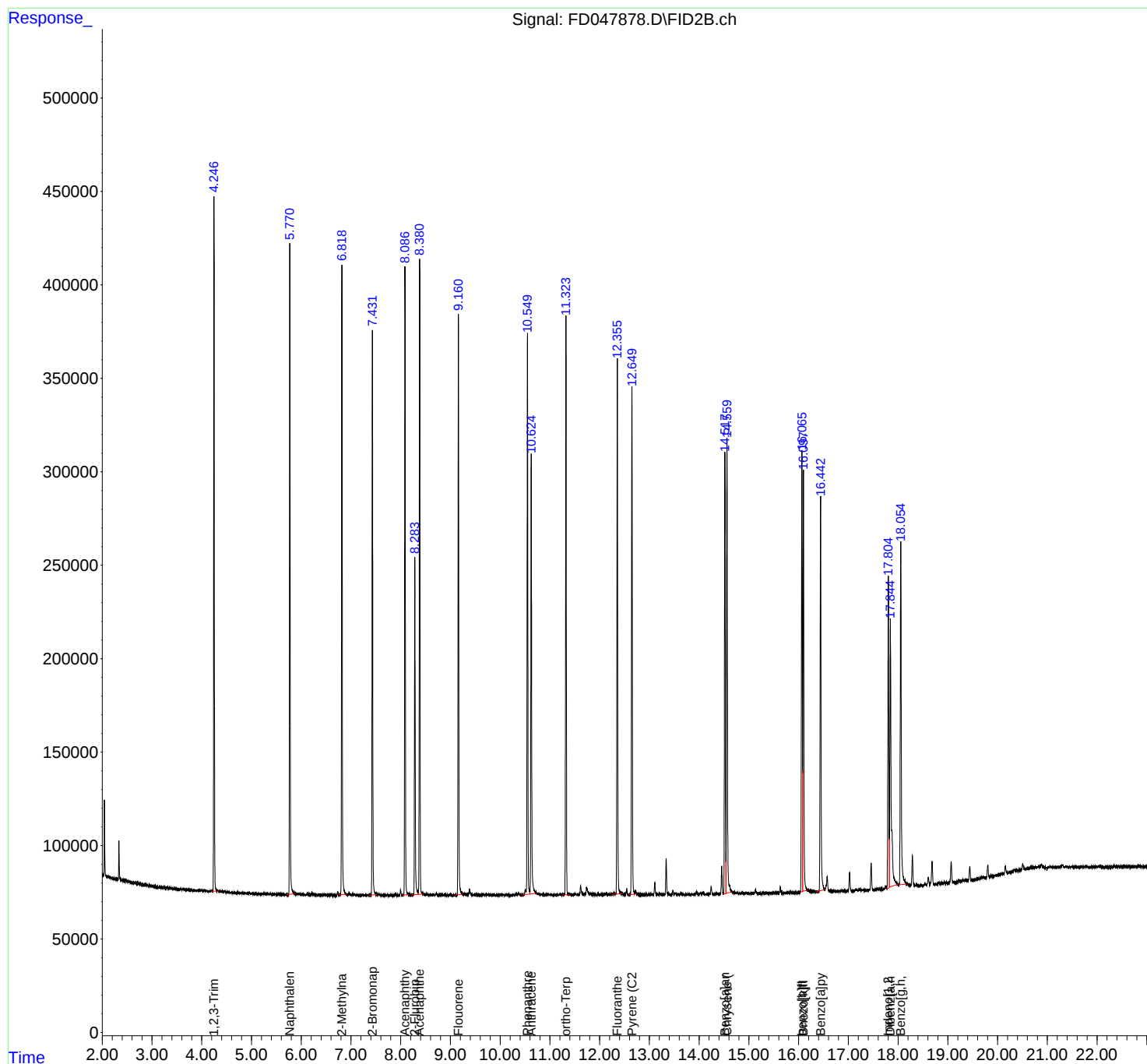
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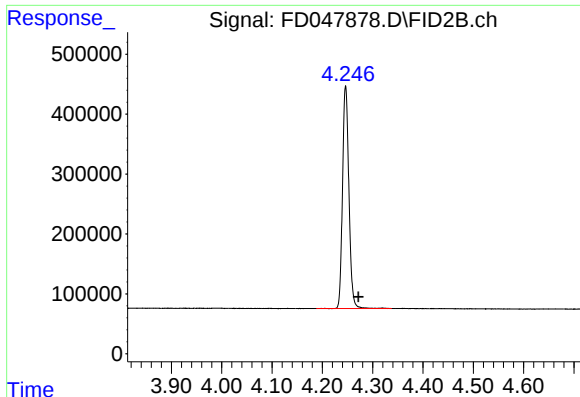
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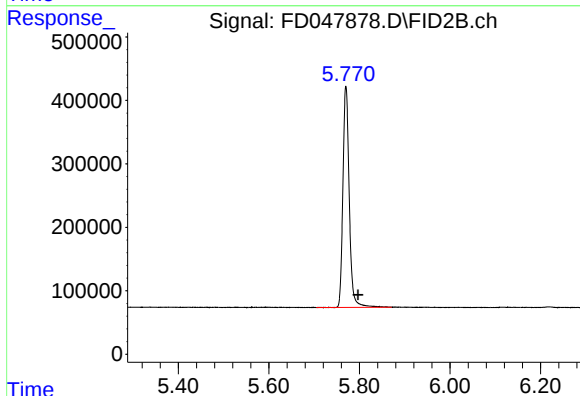
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.247 min
Delta R.T.: -0.026 min
Response: 3270516
Conc: 20.71 ug/ml

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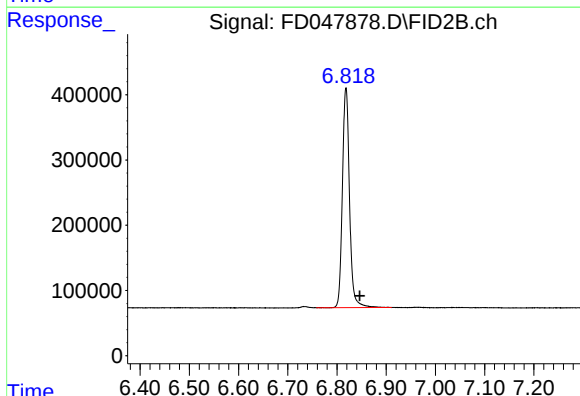
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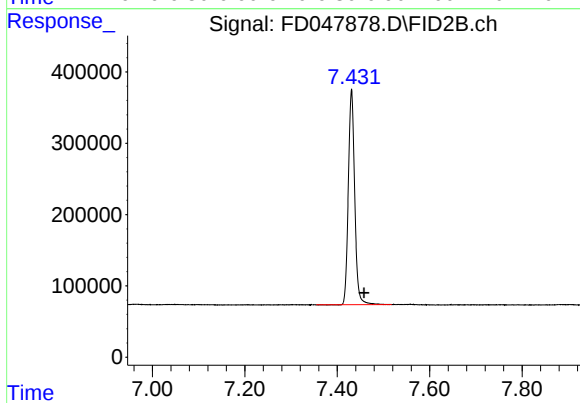
#2 Naphthalene (C11.7)

R.T.: 5.770 min
Delta R.T.: -0.027 min
Response: 3377980
Conc: 20.69 ug/ml



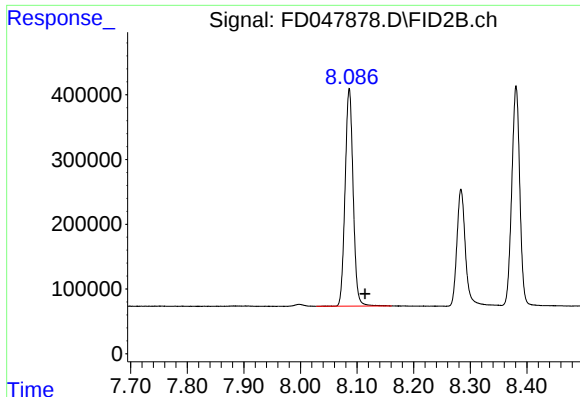
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.818 min
Delta R.T.: -0.028 min
Response: 3386686
Conc: 20.55 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.431 min
Delta R.T.: -0.027 min
Response: 2886346
Conc: 20.56 ug/ml



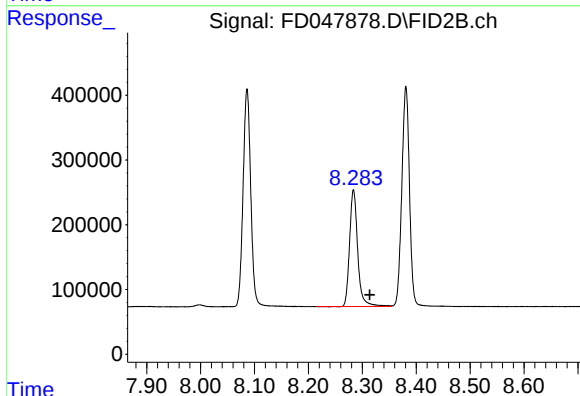
#5 Acenaphthylene (C15.06)

R.T.: 8.086 min
Delta R.T.: -0.028 min
Response: 3315770
Conc: 20.29 ug/ml

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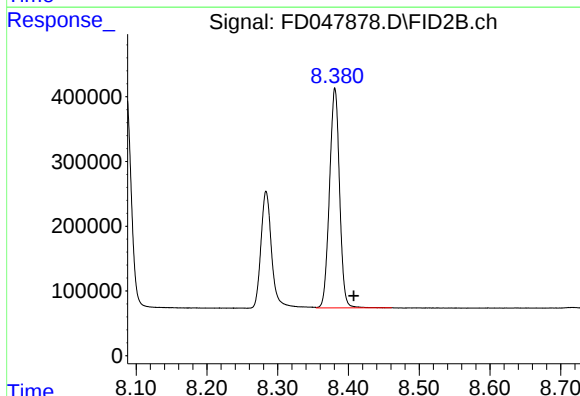
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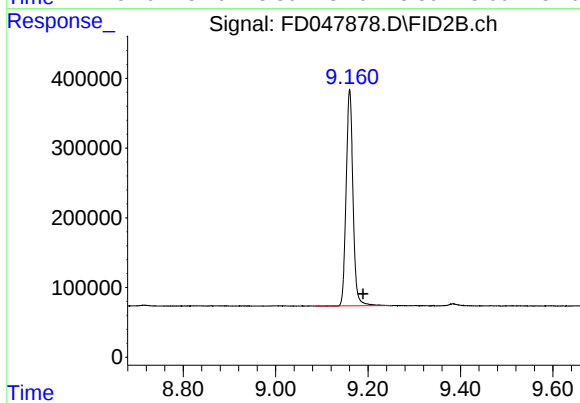
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.284 min
Delta R.T.: -0.030 min
Response: 1891165
Conc: 20.42 ug/ml



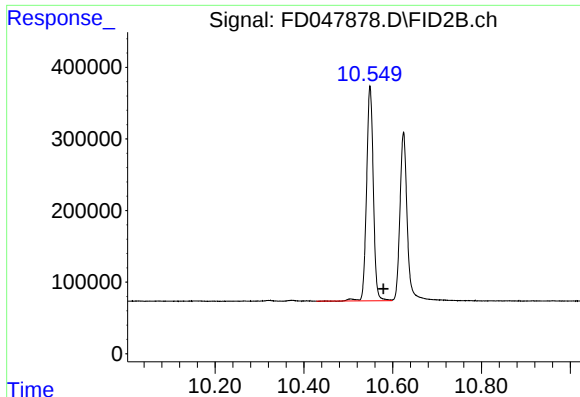
#7 Acenaphthene (C15.5)

R.T.: 8.381 min
Delta R.T.: -0.027 min
Response: 3352248
Conc: 20.53 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.160 min
Delta R.T.: -0.029 min
Response: 3198753
Conc: 20.33 ug/ml



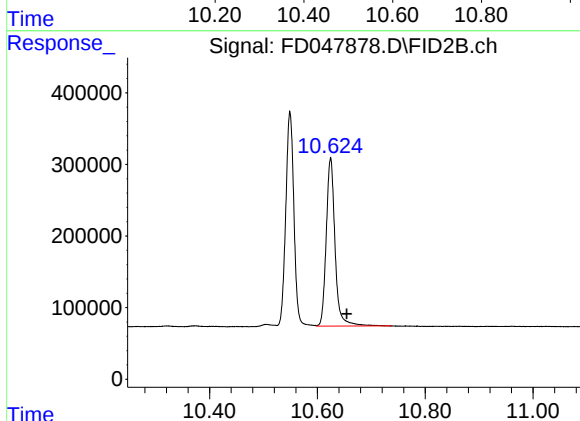
#9 Phenanthrene (C19.36)

R.T.: 10.549 min
Delta R.T.: -0.030 min
Response: 3165370
Conc: 20.53 ug/ml

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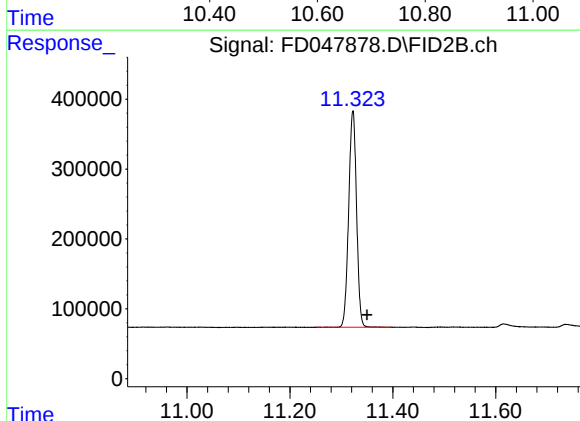
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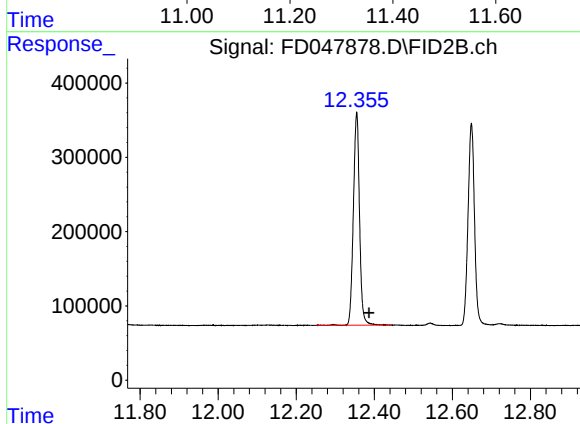
#10 Anthracene (C19.43)

R.T.: 10.625 min
Delta R.T.: -0.030 min
Response: 2670591
Conc: 17.76 ug/ml



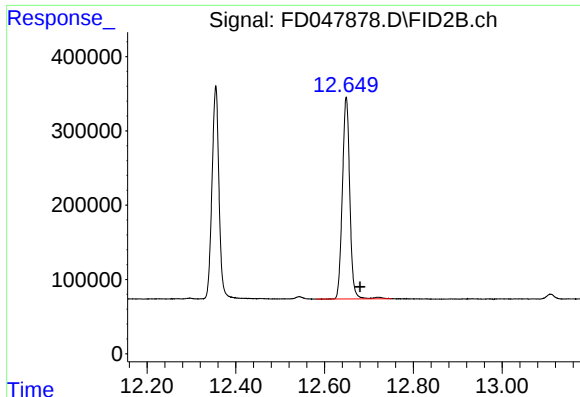
#11 ortho-Terphenyl (SURR)

R.T.: 11.322 min
Delta R.T.: -0.028 min
Response: 3290999
Conc: 20.58 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.354 min
Delta R.T.: -0.032 min
Response: 3128857
Conc: 20.62 ug/ml



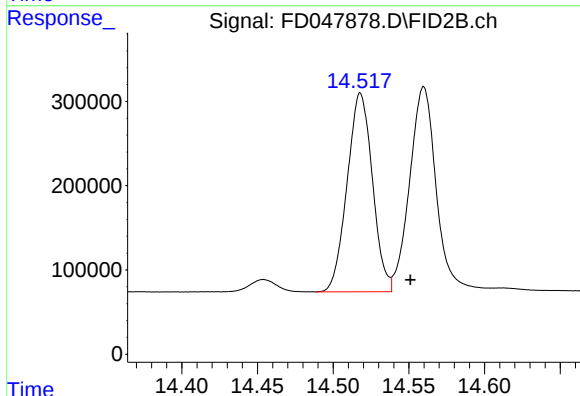
#13 Pyrene (C20.8)

R.T.: 12.649 min
Delta R.T.: -0.031 min
Response: 3153928
Conc: 20.92 ug/ml

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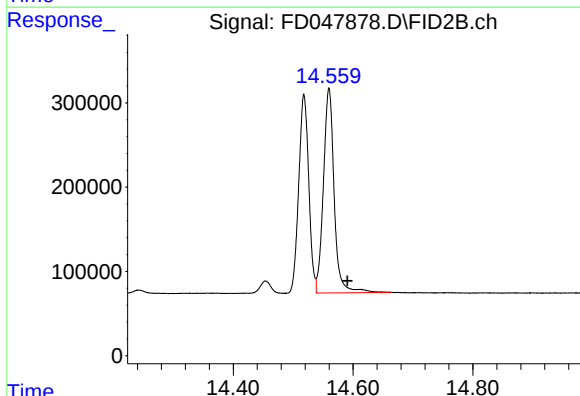
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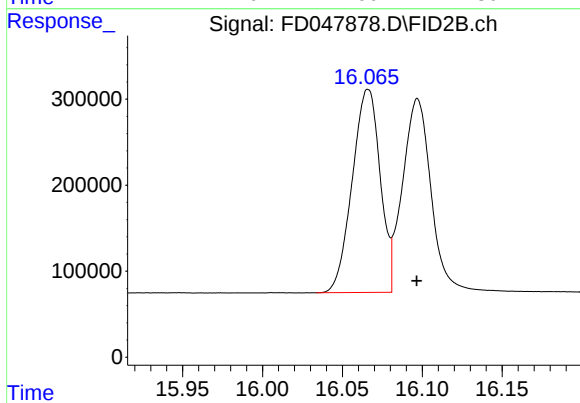
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.517 min
Delta R.T.: -0.034 min
Response: 2752003
Conc: 20.08 ug/ml m



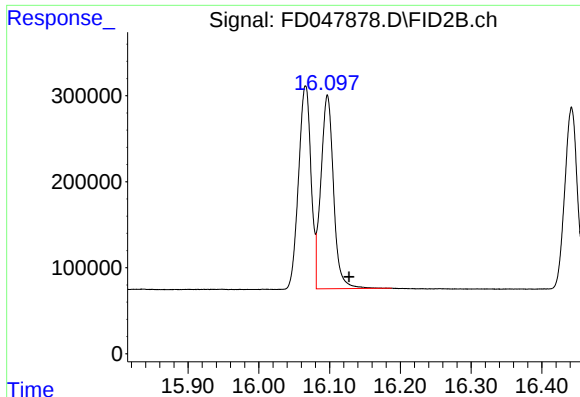
#15 Chrysene (C27.41)

R.T.: 14.560 min
Delta R.T.: -0.031 min
Response: 3035967
Conc: 20.61 ug/ml



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

R.T.: 16.065 min
Delta R.T.: -0.031 min
Response: 2901817
Conc: 20.62 ug/ml m



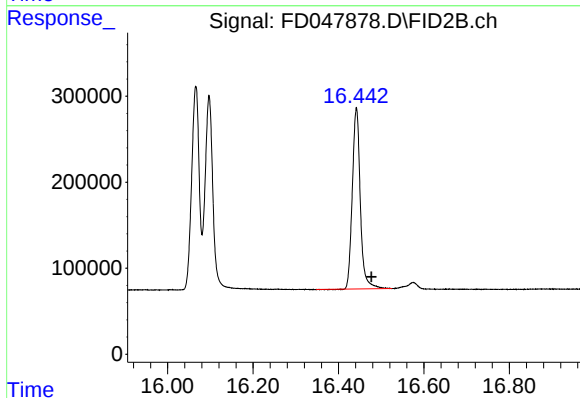
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.097 min
Delta R.T.: -0.031 min
Response: 2802326
Conc: 20.58 ug/ml

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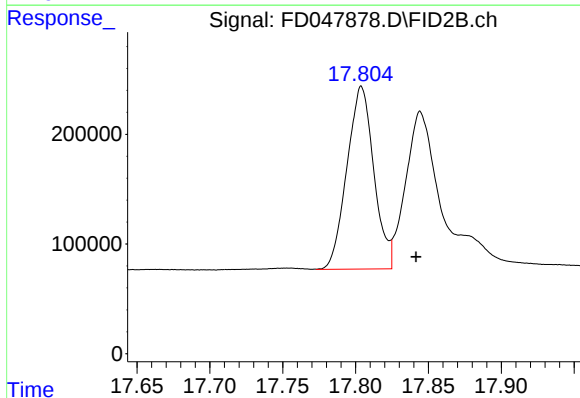
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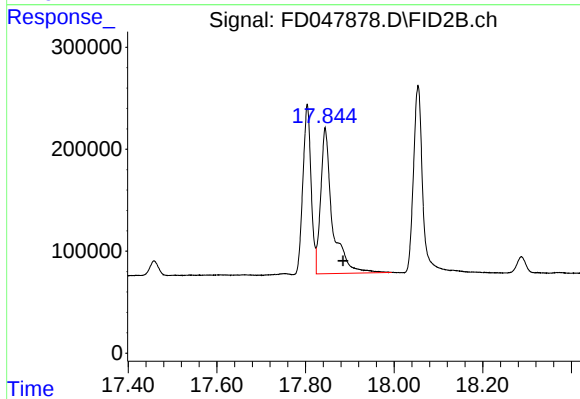
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.442 min
Delta R.T.: -0.036 min
Response: 2736756
Conc: 19.77 ug/ml



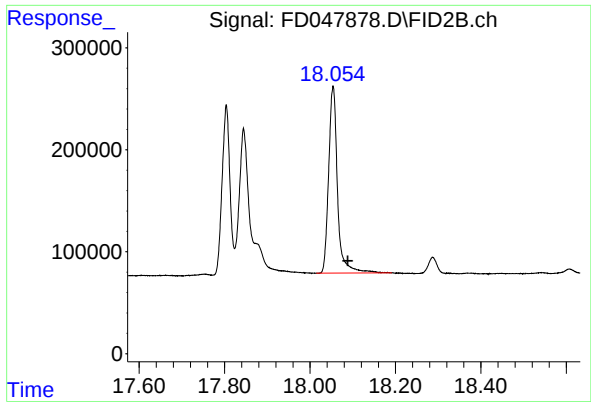
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.804 min
Delta R.T.: -0.038 min
Response: 2146942
Conc: 18.62 ug/ml m



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

R.T.: 17.845 min
Delta R.T.: -0.040 min
Response: 2633312
Conc: 19.75 ug/ml



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

R.T.: 18.054 min
Delta R.T.: -0.035 min
Response: 2642087
Conc: 19.87 ug/ml

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