

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD073124AR\
 Data File : FD048090.D
 Signal(s) : FID2B.ch
 Acq On : 31 Jul 2024 07:41
 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 08/01/2024
 Supervised By :Ankita Jodhani 08/01/2024

Integration File: autoint1.e
 Quant Time: Aug 01 04:48:44 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...	7.405	2996944	20.164 ug/ml
Spiked Amount 50.000		Recovery =	40.33%
6) S 2-Fluorobiphenyl (SURR)	8.256	1981881	20.941 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.88%
11) S ortho-Terphenyl (SURR)	11.293	3437954	20.547 ug/ml
Spiked Amount 50.000		Recovery =	41.09%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.224	3380561	20.188 ug/ml
2) T Naphthalene (C11.7)	5.745	3520381	20.371 ug/ml
3) T 2-Methylnaphthalene (...)	6.792	3540471	20.409 ug/ml
5) T Acenaphthylene (C15.06)	8.059	3426963	19.997 ug/ml
7) T Acenaphthene (C15.5)	8.353	3488595	20.110 ug/ml
8) T Fluorene (C16.55)	9.132	3375762	20.784 ug/ml
9) T Phenanthrene (C19.36)	10.520	3297969	20.766 ug/ml
10) T Anthracene (C19.43)	10.594	2585579	16.375 ug/ml
12) T Fluoranthene (C21.85)	12.324	3341377	21.104 ug/ml
13) T Pyrene (C20.8)	12.618	3287152	20.788 ug/ml
14) T Benzo[a]anthracene (C...	14.487	2939542	21.531 ug/ml
15) T Chrysene (C27.41)	14.528	3111915	19.304 ug/ml
16) T benzo[b]fluoranthene ...	16.033	3097413	21.519 ug/ml
17) T Bnezo[k]fluoranthene ...	16.065	3064584	20.518 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.409	2983802	21.067 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.772	2707029	24.001 ug/mlm
20) T Dibenz[a,h]anthracene...	17.813	2880747	19.821 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.023	3026984	20.540 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

```
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Sample    : 20 PPM AROMATIC HC STD  
Misc      :  
ALS Vial  : 52   Sample Multiplier: 1
```

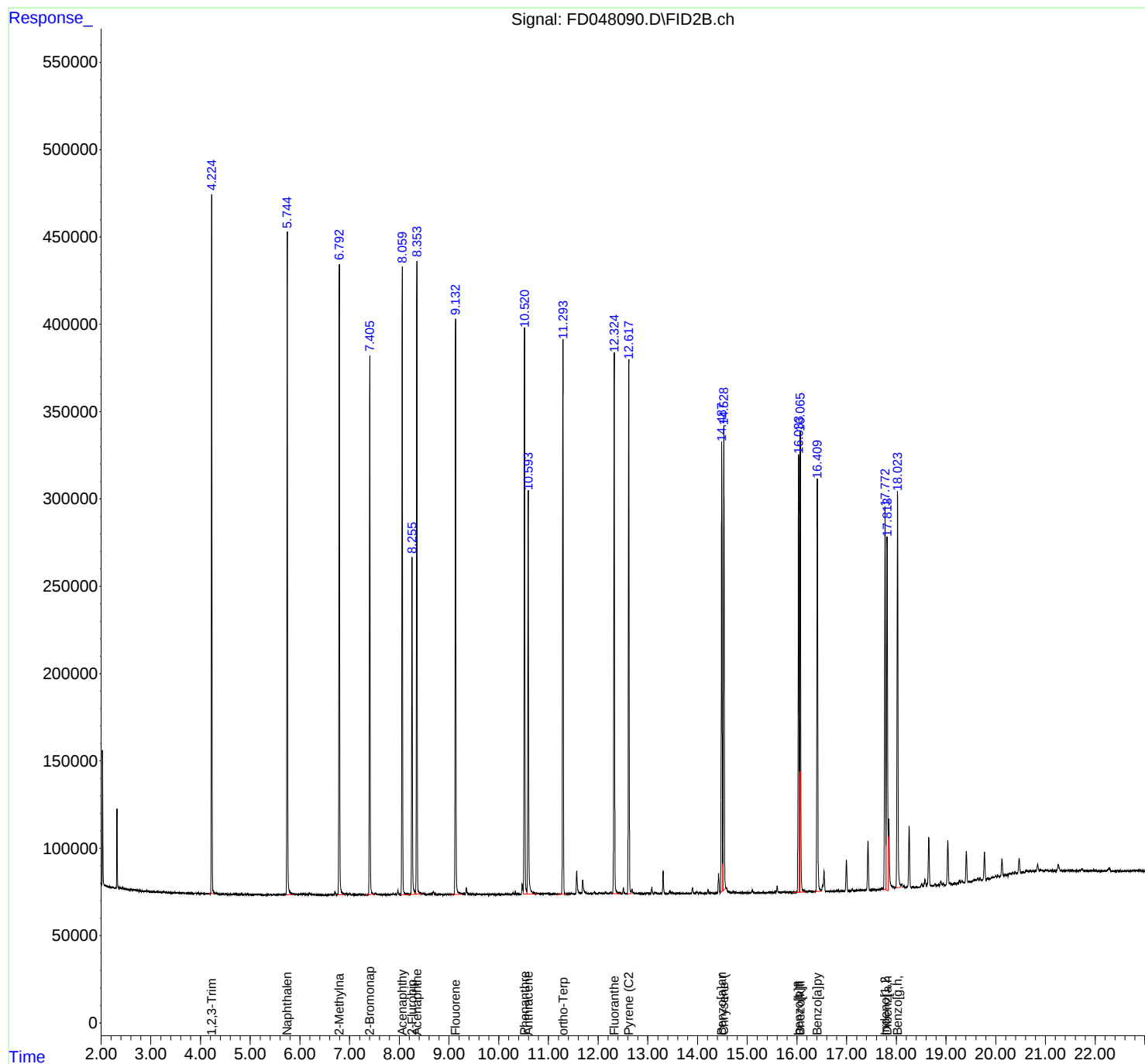
Instrument :
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20 PPM AROMATIC HC STD

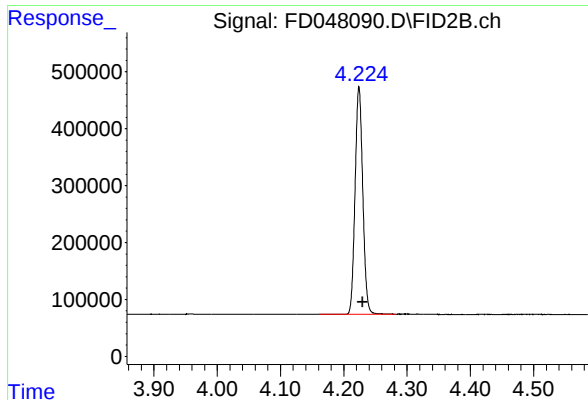
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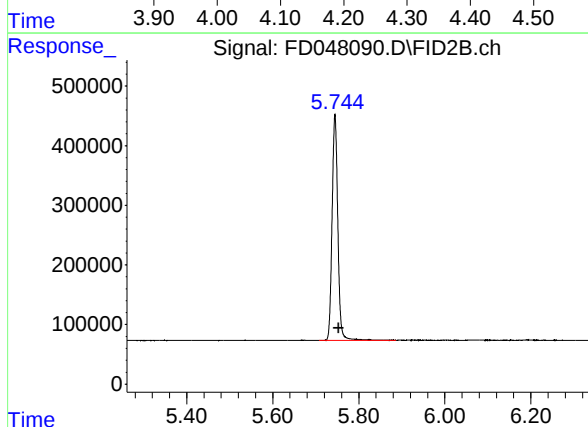
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.224 min
Delta R.T.: -0.006 min
Response: 3380561
Conc: 20.19 ug/ml

Instrument :
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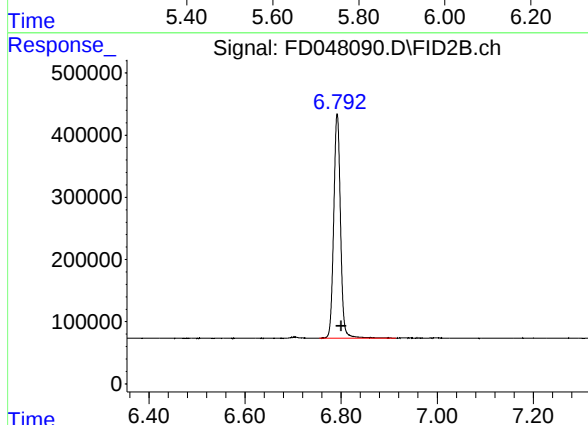
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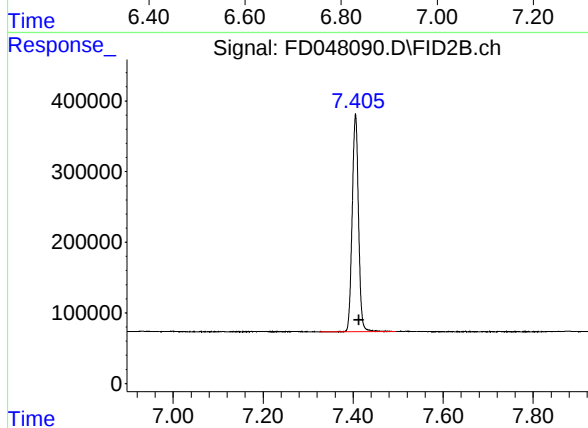
#2 Naphthalene (C11.7)

R.T.: 5.745 min
Delta R.T.: -0.009 min
Response: 3520381
Conc: 20.37 ug/ml



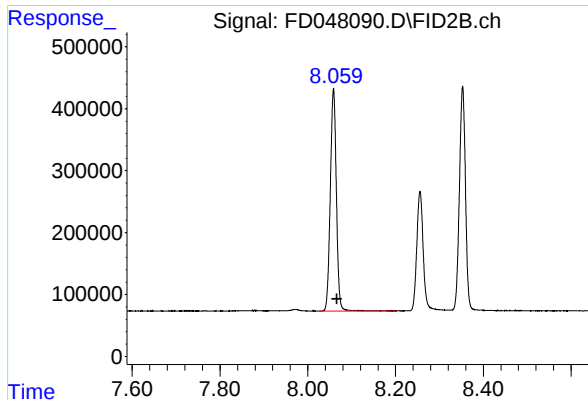
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.792 min
Delta R.T.: -0.009 min
Response: 3540471
Conc: 20.41 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.405 min
Delta R.T.: -0.008 min
Response: 2996944
Conc: 20.16 ug/ml



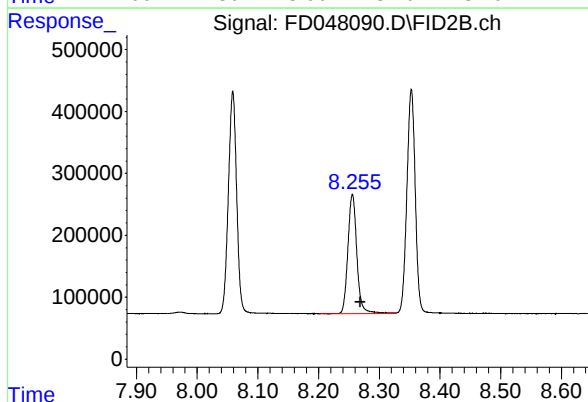
#5 Acenaphthylene (C15.06)

R.T.: 8.059 min
Delta R.T.: -0.008 min
Response: 3426963
Conc: 20.00 ug/ml

Instrument :
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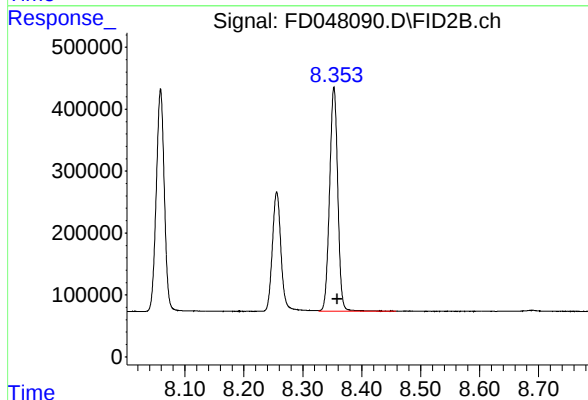
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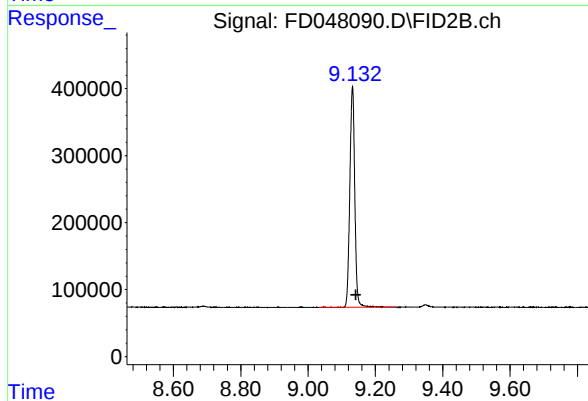
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.256 min
Delta R.T.: -0.013 min
Response: 1981881
Conc: 20.94 ug/ml



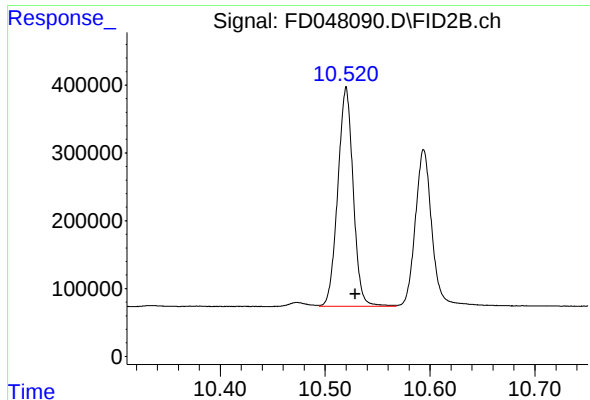
#7 Acenaphthene (C15.5)

R.T.: 8.353 min
Delta R.T.: -0.006 min
Response: 3488595
Conc: 20.11 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.132 min
Delta R.T.: -0.010 min
Response: 3375762
Conc: 20.78 ug/ml



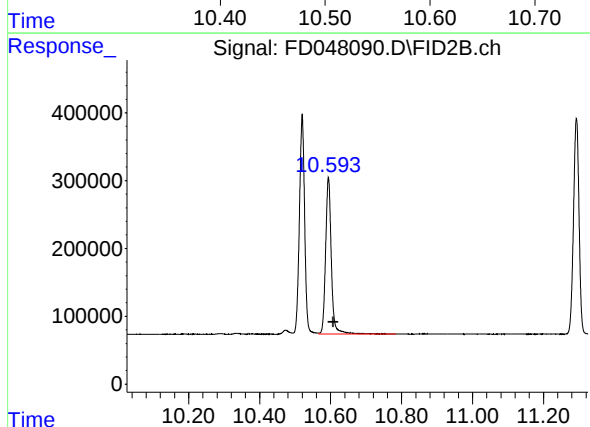
#9 Phenanthrene (C19.36)

R.T.: 10.520 min
Delta R.T.: -0.009 min
Response: 3297969
Conc: 20.77 ug/ml

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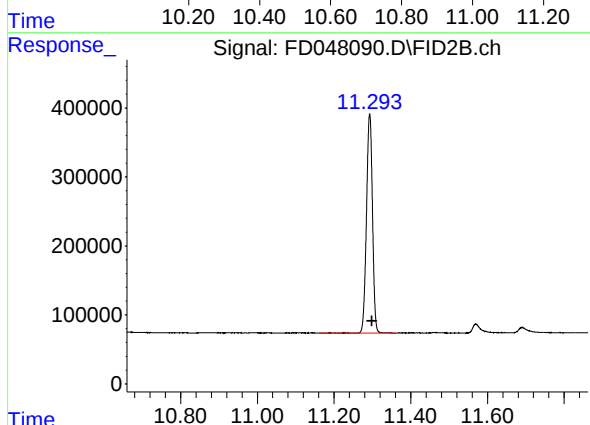
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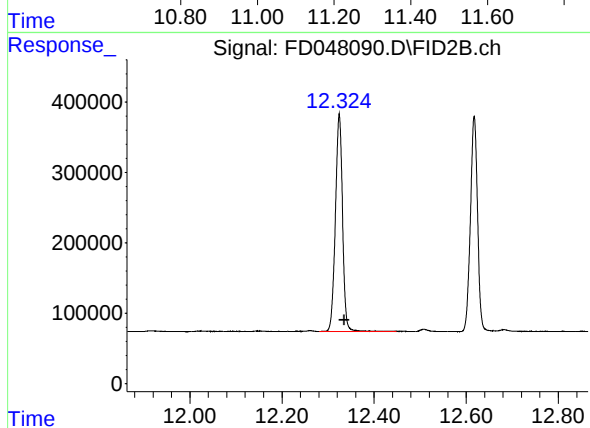
#10 Anthracene (C19.43)

R.T.: 10.594 min
Delta R.T.: -0.013 min
Response: 2585579
Conc: 16.37 ug/ml



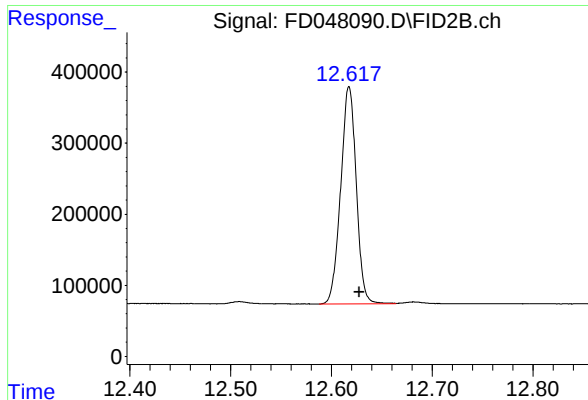
#11 ortho-Terphenyl (SURR)

R.T.: 11.293 min
Delta R.T.: -0.005 min
Response: 3437954
Conc: 20.55 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.324 min
Delta R.T.: -0.011 min
Response: 3341377
Conc: 21.10 ug/ml



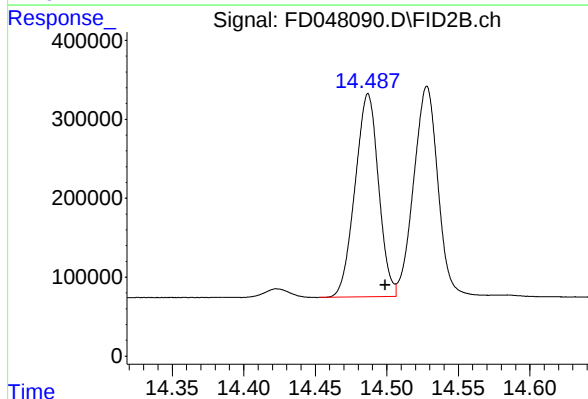
#13 Pyrene (C20.8)

R.T.: 12.618 min
Delta R.T.: -0.010 min
Response: 3287152
Conc: 20.79 ug/ml

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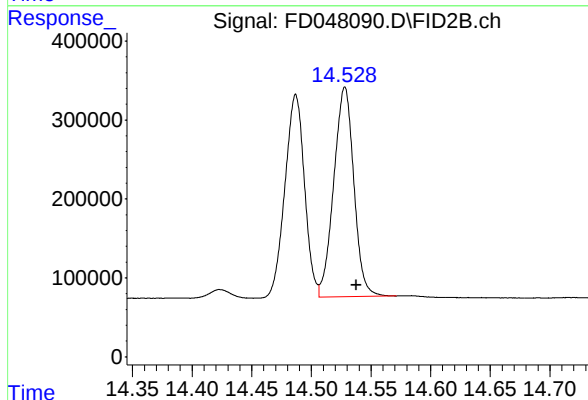
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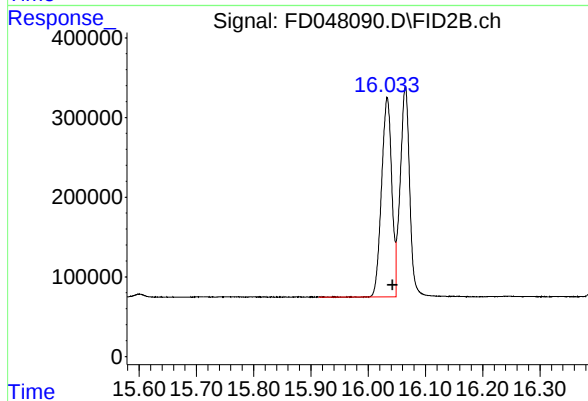
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.487 min
Delta R.T.: -0.012 min
Response: 2939542
Conc: 21.53 ug/ml



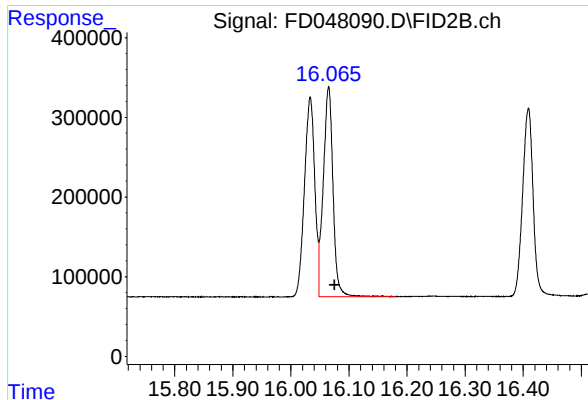
#15 Chrysene (C27.41)

R.T.: 14.528 min
Delta R.T.: -0.010 min
Response: 3111915
Conc: 19.30 ug/ml



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

R.T.: 16.033 min
Delta R.T.: -0.009 min
Response: 3097413
Conc: 21.52 ug/ml



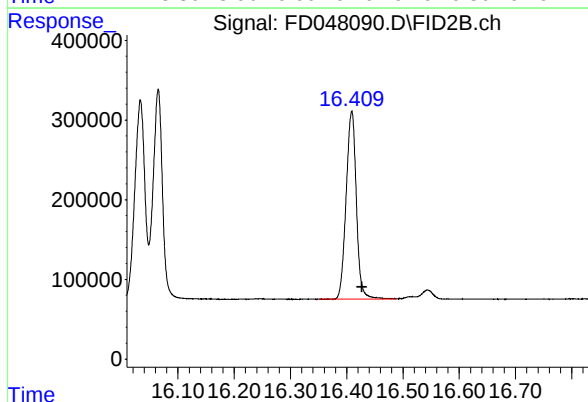
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.065 min
Delta R.T.: -0.011 min
Response: 3064584
Conc: 20.52 ug/ml

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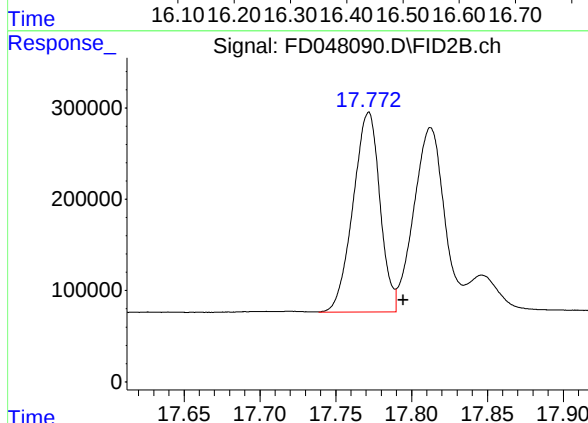
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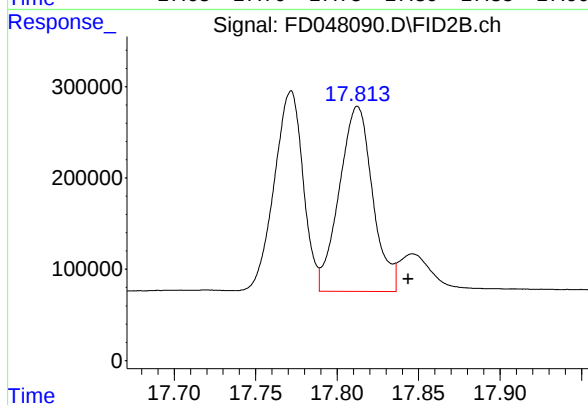
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.409 min
Delta R.T.: -0.019 min
Response: 2983802
Conc: 21.07 ug/ml



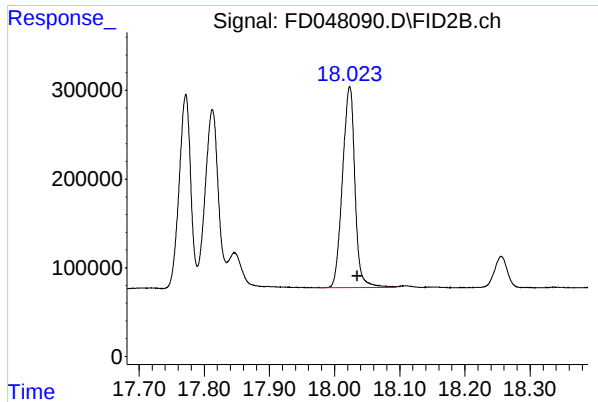
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.772 min
Delta R.T.: -0.023 min
Response: 2707029
Conc: 24.00 ug/ml m



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

R.T.: 17.813 min
Delta R.T.: -0.031 min
Response: 2880747
Conc: 19.82 ug/ml m



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

R.T.: 18.023 min
Delta R.T.: -0.012 min
Response: 3026984
Conc: 20.54 ug/ml

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