

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090822AR\
 Data File : FD043830.D
 Signal(s) : FID2B.ch
 Acq On : 08 Sep 2022 10:48
 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 09/08/2022
 Supervised By :Ankita Jodhani 09/09/2022

Integration File: autoint1.e
 Quant Time: Sep 08 13:50:41 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 082322.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 07 10:52:36 2022
 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...	7.438	3699205	21.410 ug/ml
Spiked Amount 50.000		Recovery =	42.82%
6) S 2-Fluorobiphenyl (SURR)	8.293	2251198	22.379 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	44.76%
11) S ortho-Terphenyl (SURR)	11.322	4404951	21.055 ug/ml
Spiked Amount 50.000		Recovery =	42.11%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.246	4180225	20.991 ug/ml
2) T Naphthalene (C11.7)	5.778	4133774	20.566 ug/ml
3) T 2-Methylnaphthalene (...)	6.825	3747892	20.764 ug/ml
5) T Acenaphthylene (C15.06)	8.094	4226062	21.142 ug/ml
7) T Acenaphthene (C15.5)	8.385	4435240	20.633 ug/ml
8) T Flouorene (C16.55)	9.166	4049606	21.123 ug/ml
9) T Phenanthrene (C19.36)	10.557	3939440	21.907 ug/ml
10) T Anthracene (C19.43)	10.634	3817892	19.629 ug/ml
12) T Fluoranthene (C21.85)	12.361	3916572	21.476 ug/ml
13) T Pyrene (C20.8)	12.656	3998721	21.422 ug/ml
14) T Benzo[a]anthracene (C...	14.524	3253913	22.742 ug/ml
15) T Chrysene (C27.41)	14.565	3814677	19.764 ug/ml
16) T benzo[b]fluoranthene ...	16.066	3194066	22.135 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.099	3329845	19.360 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.445	3012067	20.743 ug/mlm
19) T Indeno[1,2,3-cd]pyren...	17.808	2437056	23.565 ug/ml
20) T Dibenz[a,h]anthracene...	17.845	3185728	22.638 ug/ml
21) T Benzo[g,h,i]perylene ...	18.057	2953903	23.203 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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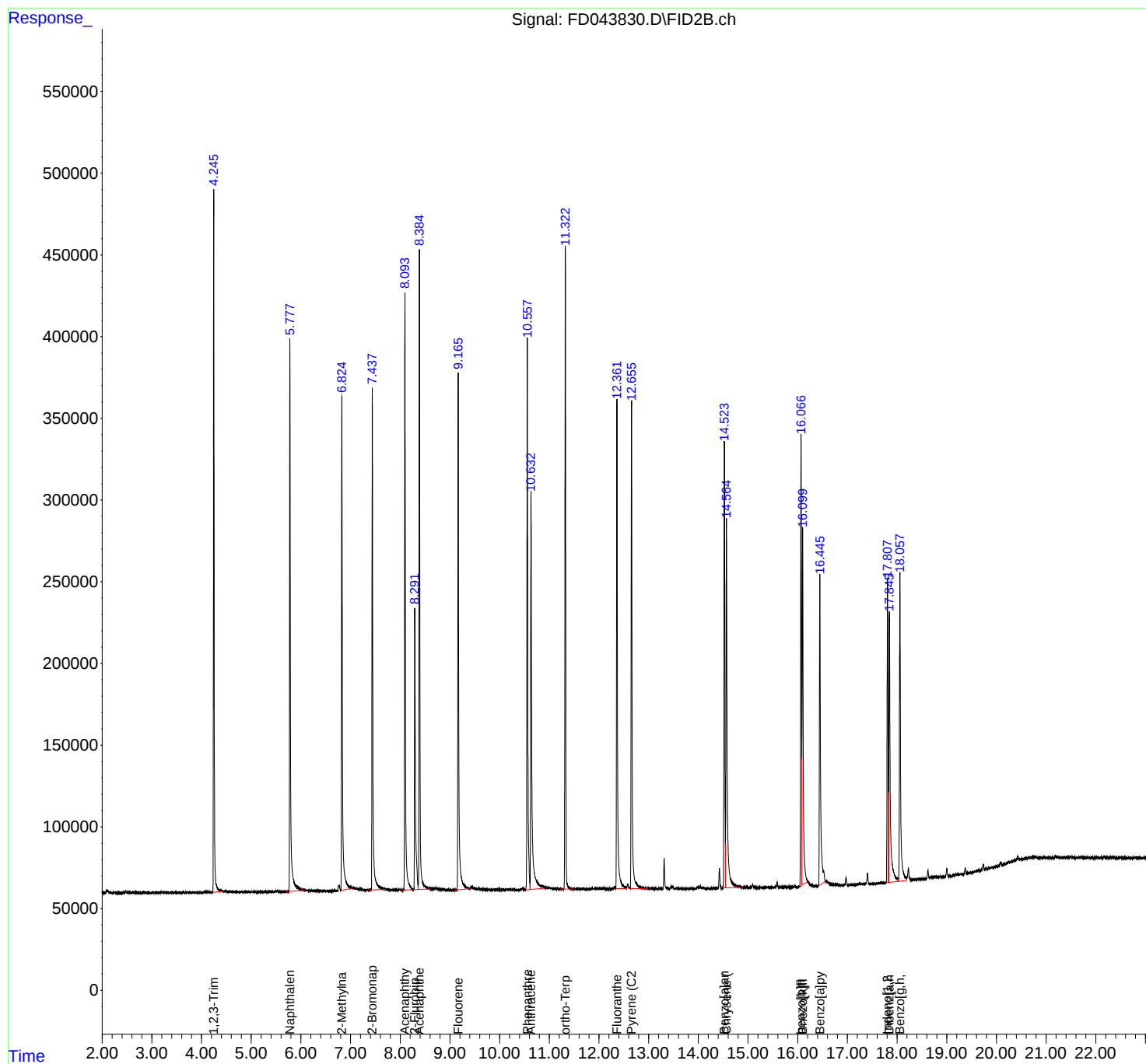
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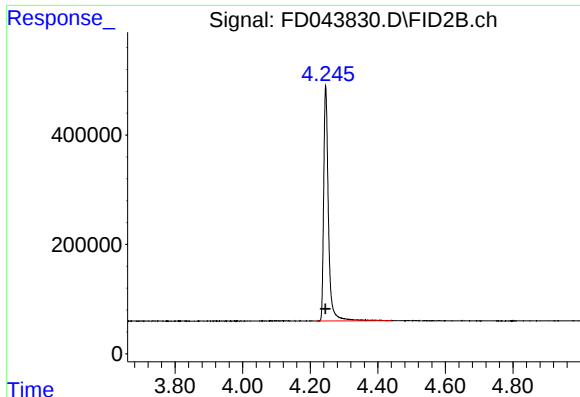
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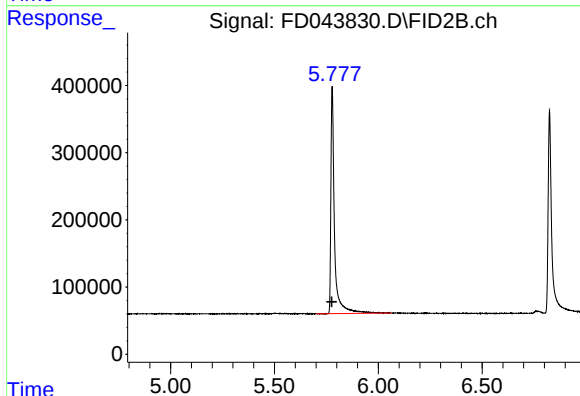
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.246 min
Delta R.T.: 0.001 min
Response: 4180225
Conc: 20.99 ug/ml

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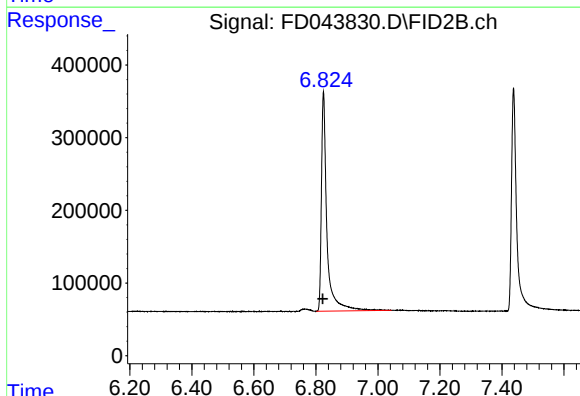
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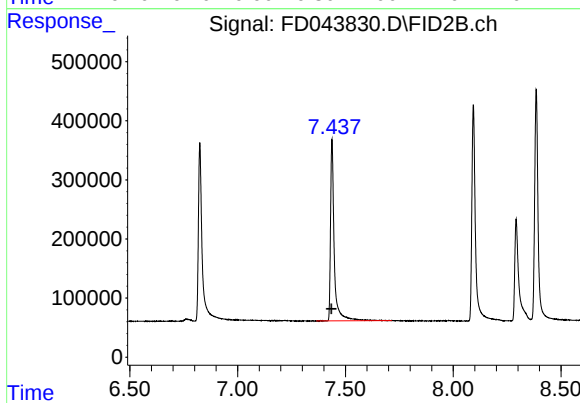
#2 Naphthalene (C11.7)

R.T.: 5.778 min
Delta R.T.: 0.002 min
Response: 4133774
Conc: 20.57 ug/ml



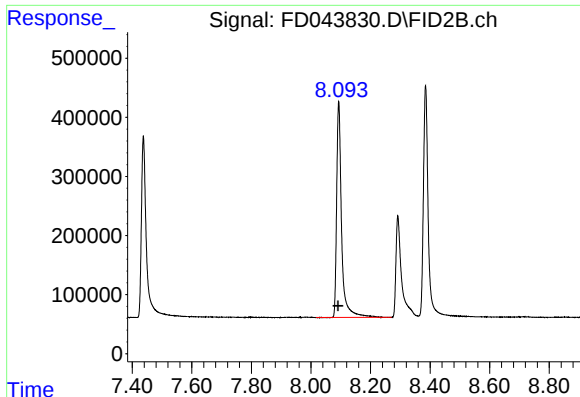
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.825 min
Delta R.T.: 0.002 min
Response: 3747892
Conc: 20.76 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.438 min
Delta R.T.: 0.002 min
Response: 3699205
Conc: 21.41 ug/ml



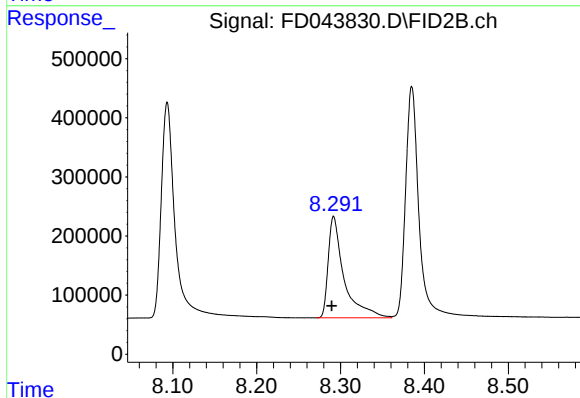
#5 Acenaphthylene (C15.06)

R.T.: 8.094 min
Delta R.T.: 0.002 min
Response: 4226062
Conc: 21.14 ug/ml

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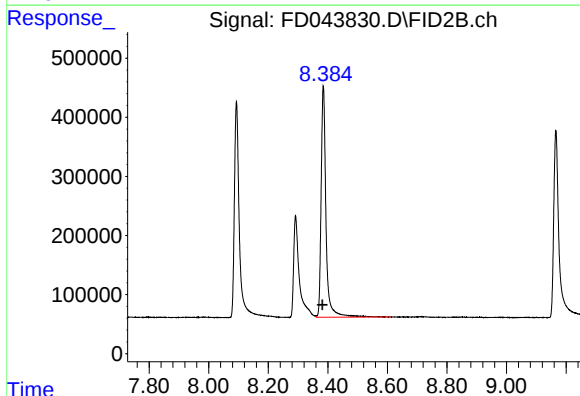
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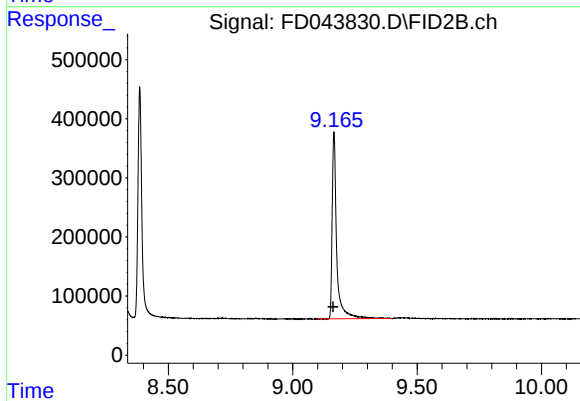
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.293 min
Delta R.T.: 0.004 min
Response: 2251198
Conc: 22.38 ug/ml



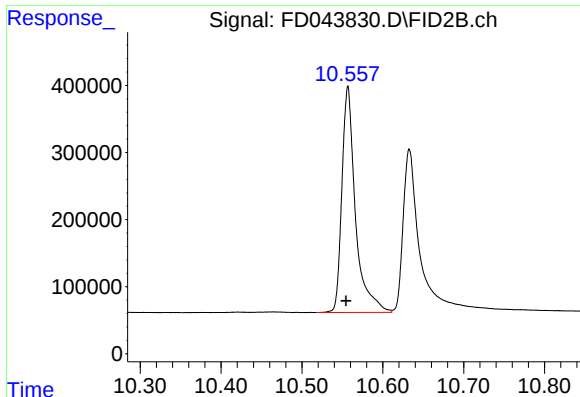
#7 Acenaphthene (C15.5)

R.T.: 8.385 min
Delta R.T.: 0.003 min
Response: 4435240
Conc: 20.63 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.166 min
Delta R.T.: 0.003 min
Response: 4049606
Conc: 21.12 ug/ml



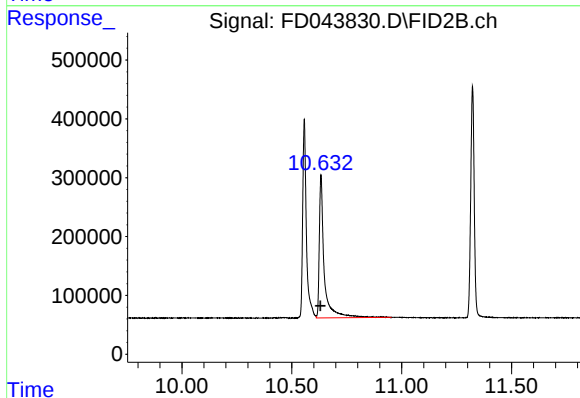
#9 Phenanthrene (C19.36)

R.T.: 10.557 min
Delta R.T.: 0.003 min
Response: 3939440
Conc: 21.91 ug/ml

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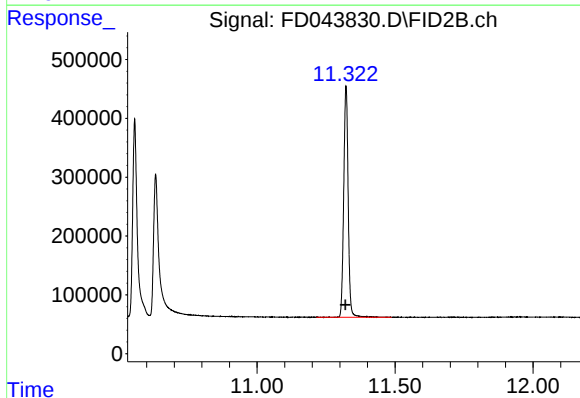
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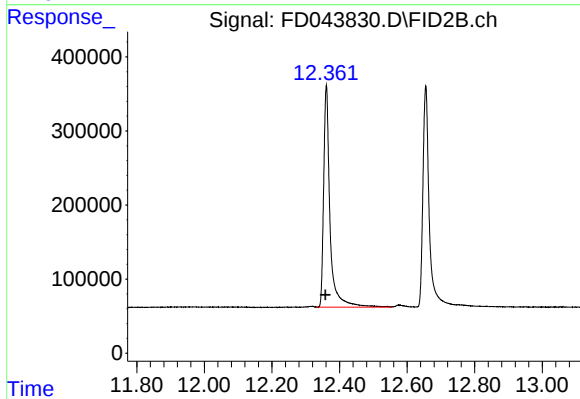
#10 Anthracene (C19.43)

R.T.: 10.634 min
Delta R.T.: 0.003 min
Response: 3817892
Conc: 19.63 ug/ml



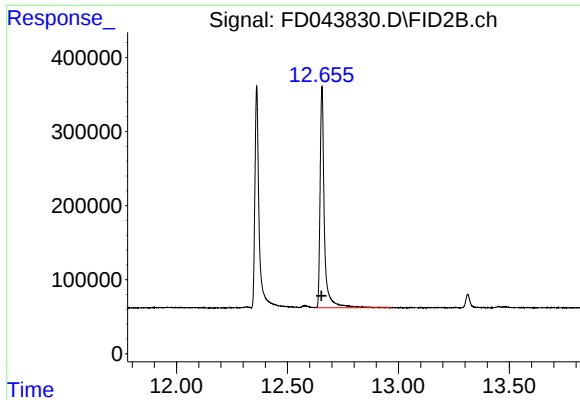
#11 ortho-Terphenyl (SURR)

R.T.: 11.322 min
Delta R.T.: 0.002 min
Response: 4404951
Conc: 21.06 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.361 min
Delta R.T.: 0.003 min
Response: 3916572
Conc: 21.48 ug/ml



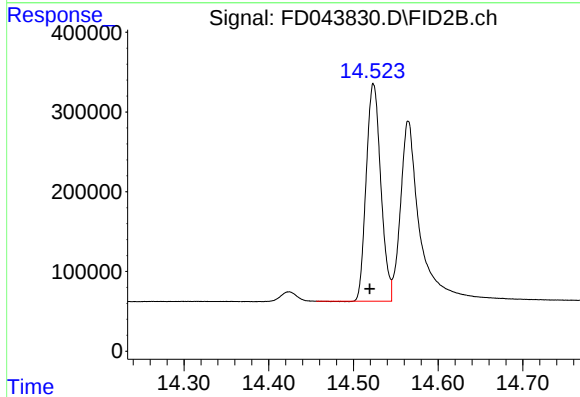
#13 Pyrene (C20.8)

R.T.: 12.656 min
Delta R.T.: 0.003 min
Response: 3998721
Conc: 21.42 ug/ml

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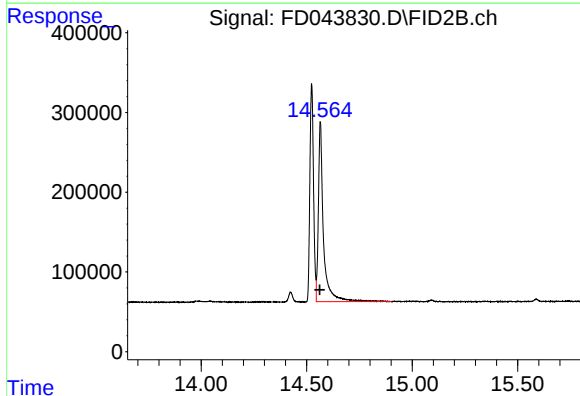
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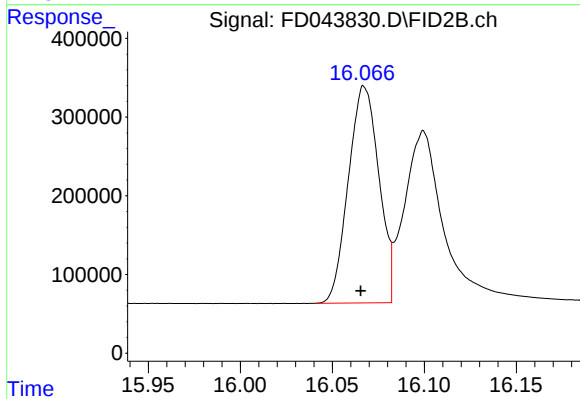
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.524 min
Delta R.T.: 0.004 min
Response: 3253913
Conc: 22.74 ug/ml



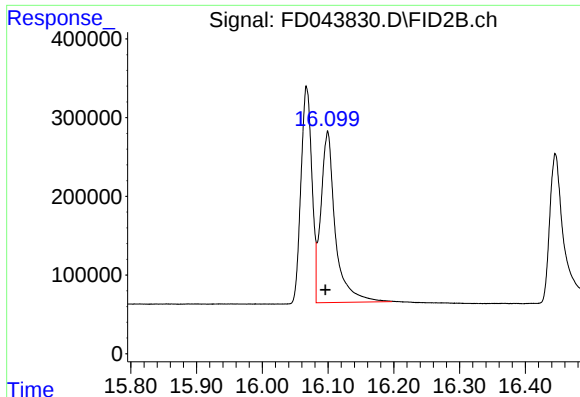
#15 Chrysene (C27.41)

R.T.: 14.565 min
Delta R.T.: 0.003 min
Response: 3814677
Conc: 19.76 ug/ml



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

R.T.: 16.066 min
Delta R.T.: 0.001 min
Response: 3194066
Conc: 22.13 ug/ml m



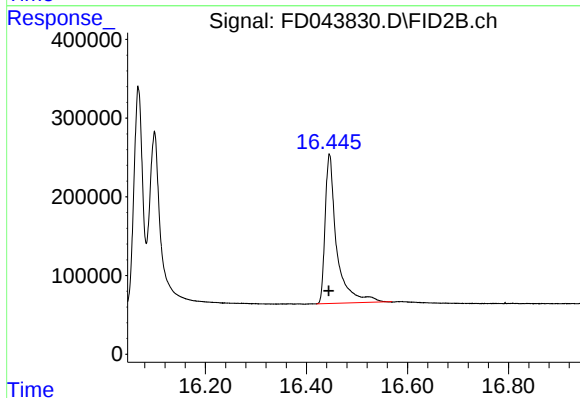
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.099 min
Delta R.T.: 0.003 min
Response: 3329845
Conc: 19.36 ug/ml

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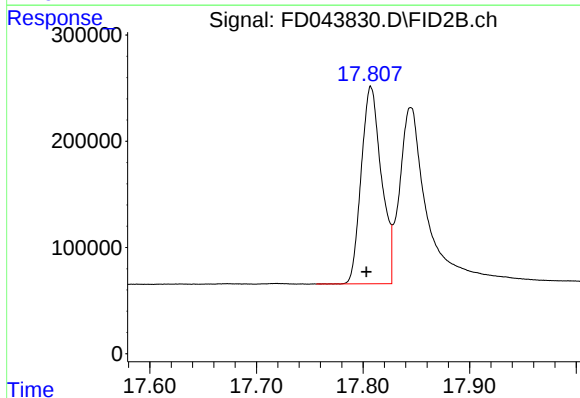
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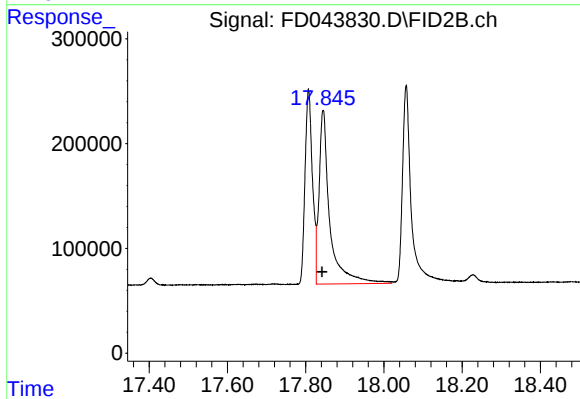
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.445 min
Delta R.T.: 0.001 min
Response: 3012067
Conc: 20.74 ug/ml m



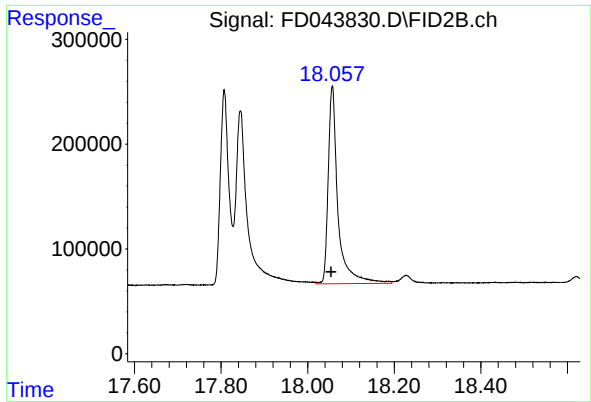
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.808 min
Delta R.T.: 0.005 min
Response: 2437056
Conc: 23.57 ug/ml



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

R.T.: 17.845 min
Delta R.T.: 0.003 min
Response: 3185728
Conc: 22.64 ug/ml



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

R.T.: 18.057 min
Delta R.T.: 0.003 min
Response: 2953903
Conc: 23.20 ug/ml

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