

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071724AR\
 Data File : FD048032.D
 Signal(s) : FID2B.ch
 Acq On : 17 Jul 2024 08:02
 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 07/18/2024
 Supervised By :Ankita Jodhani 07/19/2024

Integration File: autoint1.e
 Quant Time: Jul 18 03:40:17 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...	7.408	3110973	20.932 ug/ml
Spiked Amount 50.000		Recovery =	41.86%
6) S 2-Fluorobiphenyl (SURR)	8.260	2056954	21.734 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	43.47%
11) S ortho-Terphenyl (SURR)	11.297	3519574	21.035 ug/ml
Spiked Amount 50.000		Recovery =	42.07%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.226	3488145	20.831 ug/mlm
2) T Naphthalene (C11.7)	5.748	3652758	21.137 ug/ml
3) T 2-Methylnaphthalene (...)	6.795	3644892	21.011 ug/ml
5) T Acenaphthylene (C15.06)	8.062	3557761	20.761 ug/ml
7) T Acenaphthene (C15.5)	8.357	3609166	20.805 ug/ml
8) T Flouorene (C16.55)	9.136	3475240	21.397 ug/mlm
9) T Phenanthrene (C19.36)	10.524	3395747	21.382 ug/ml
10) T Anthracene (C19.43)	10.599	3016387	19.103 ug/ml
12) T Fluoranthene (C21.85)	12.329	3434370	21.691 ug/ml
13) T Pyrene (C20.8)	12.622	3387257	21.421 ug/ml
14) T Benzo[a]anthracene (C...	14.491	3092067	22.648 ug/ml
15) T Chrysene (C27.41)	14.533	3377532	20.952 ug/ml
16) T benzo[b]fluoranthene ...	16.038	3211266	22.310 ug/ml
17) T Bnezo[k]fluoranthene ...	16.069	3141000	21.030 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.413	3143311	22.193 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.776	2746003	24.347 ug/ml
20) T Dibenz[a,h]anthracene...	17.817	3390006	23.325 ug/ml
21) T Benzo[g,h,i]perylene ...	18.028	3205297	21.750 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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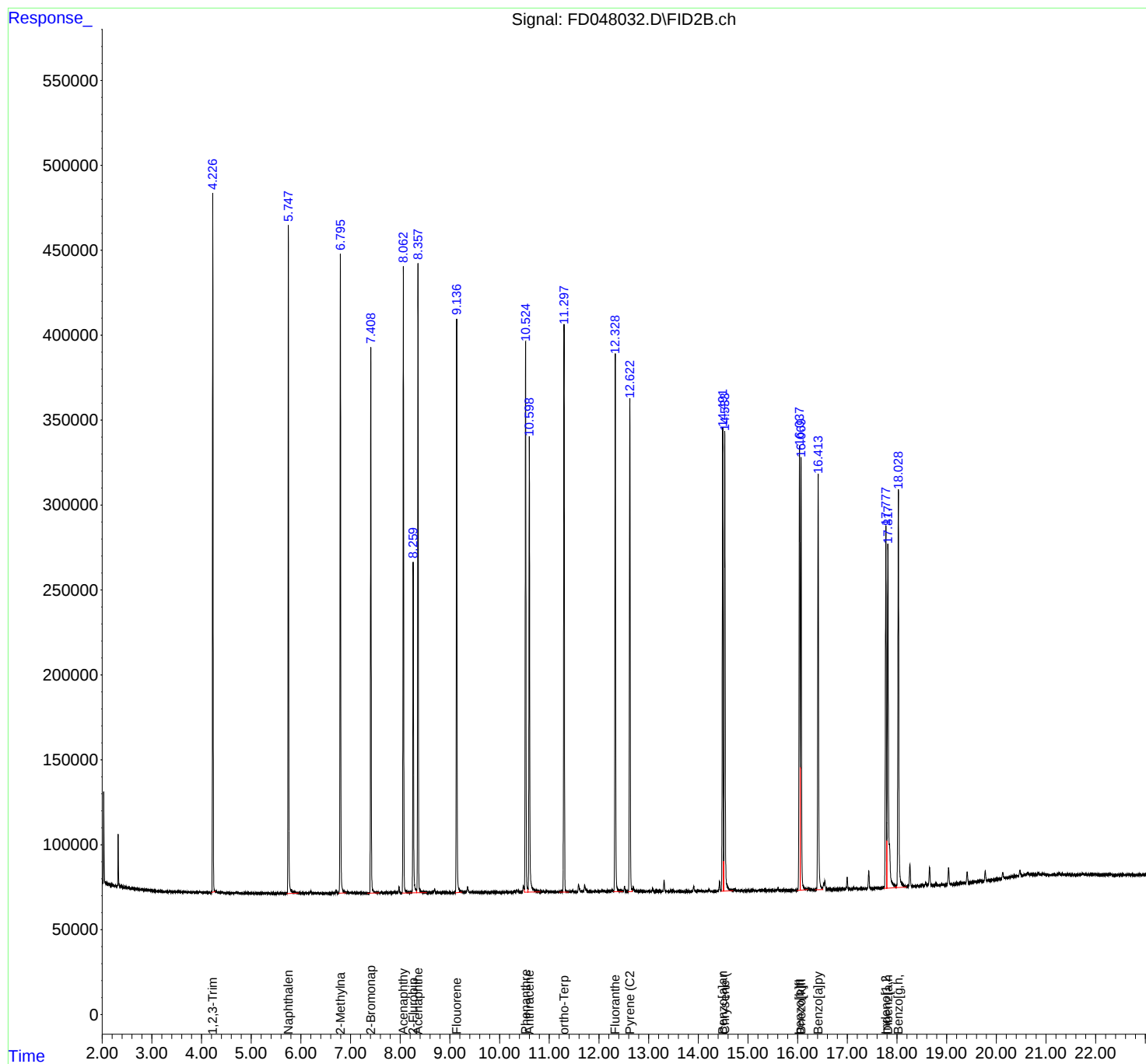
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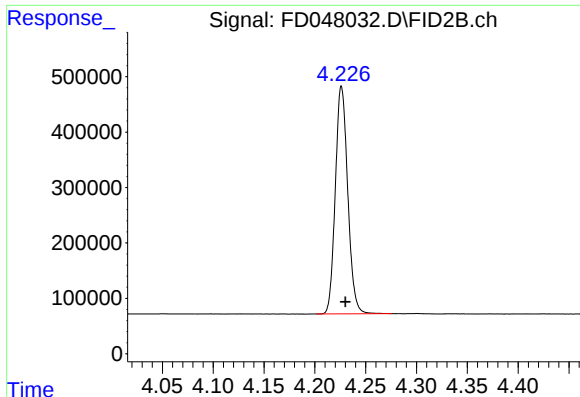
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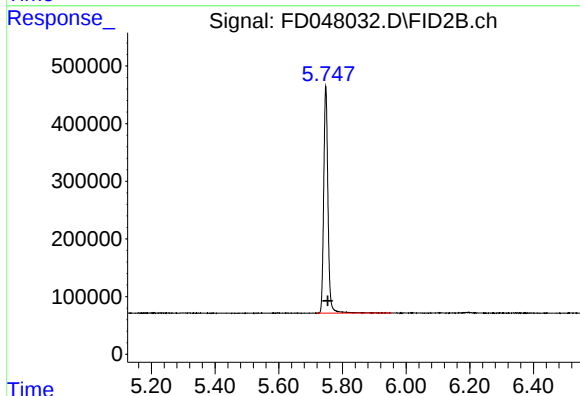
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.226 min
Delta R.T.: -0.004 min
Response: 3488145
Conc: 20.83 ug/ml

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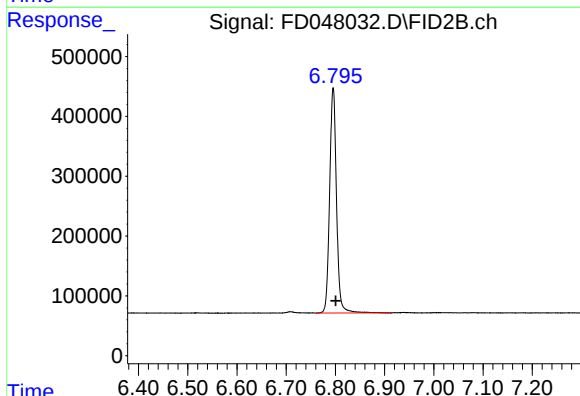
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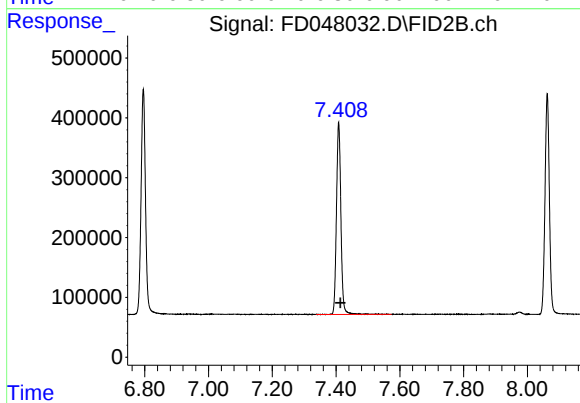
#2 Naphthalene (C11.7)

R.T.: 5.748 min
Delta R.T.: -0.006 min
Response: 3652758
Conc: 21.14 ug/ml



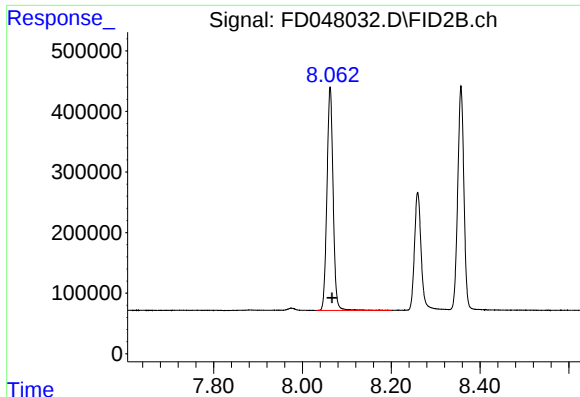
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.795 min
Delta R.T.: -0.005 min
Response: 3644892
Conc: 21.01 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.408 min
Delta R.T.: -0.005 min
Response: 3110973
Conc: 20.93 ug/ml



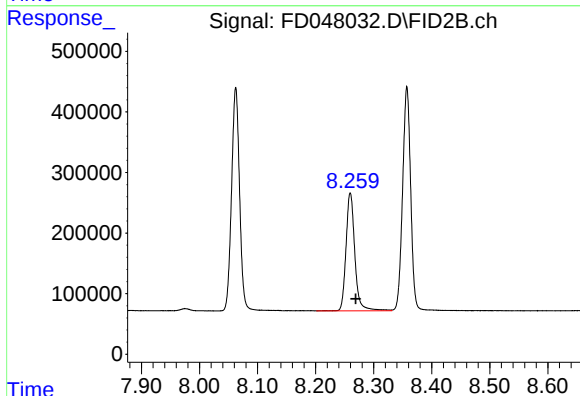
#5 Acenaphthylene (C15.06)

R.T.: 8.062 min
Delta R.T.: -0.004 min
Response: 3557761
Conc: 20.76 ug/ml

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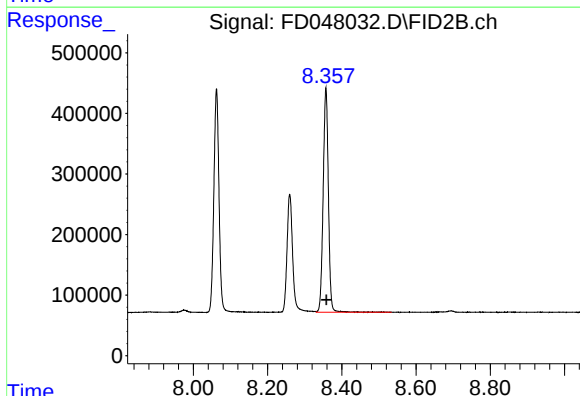
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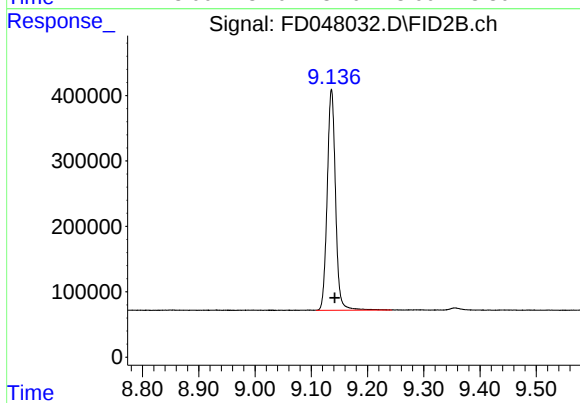
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.260 min
Delta R.T.: -0.009 min
Response: 2056954
Conc: 21.73 ug/ml



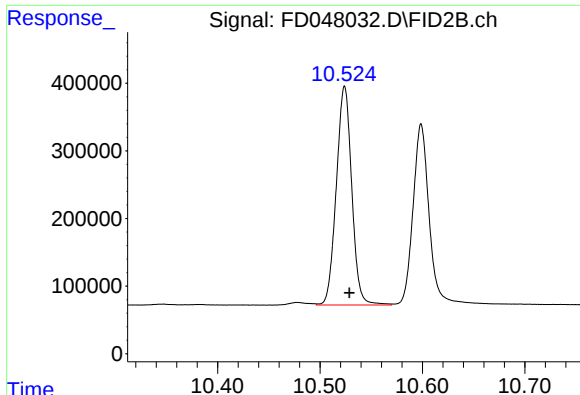
#7 Acenaphthene (C15.5)

R.T.: 8.357 min
Delta R.T.: -0.001 min
Response: 3609166
Conc: 20.80 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.136 min
Delta R.T.: -0.006 min
Response: 3475240
Conc: 21.40 ug/ml m



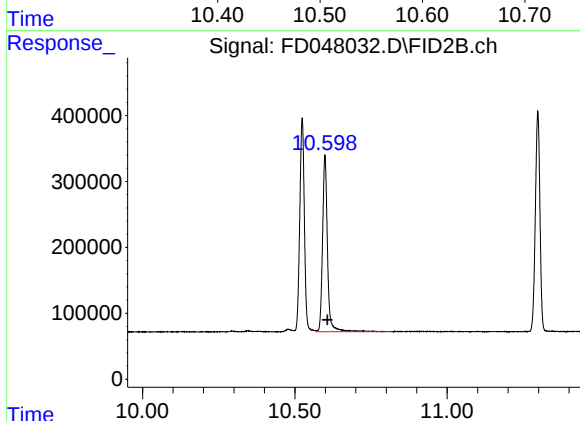
#9 Phenanthrene (C19.36)

R.T.: 10.524 min
Delta R.T.: -0.005 min
Response: 3395747
Conc: 21.38 ug/ml

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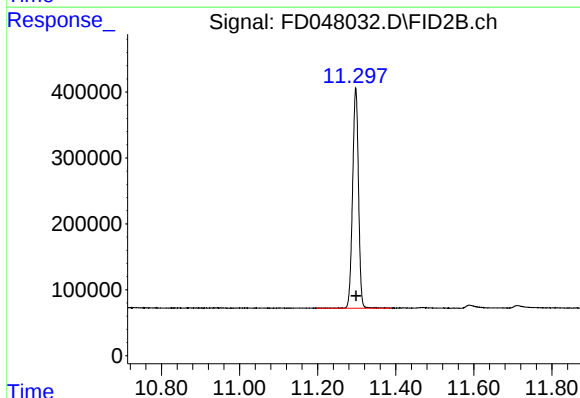
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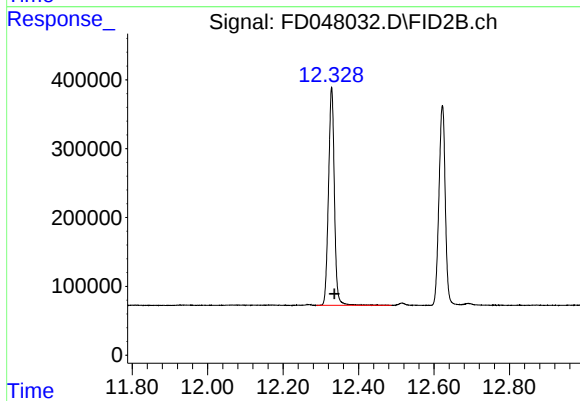
#10 Anthracene (C19.43)

R.T.: 10.599 min
Delta R.T.: -0.008 min
Response: 3016387
Conc: 19.10 ug/ml



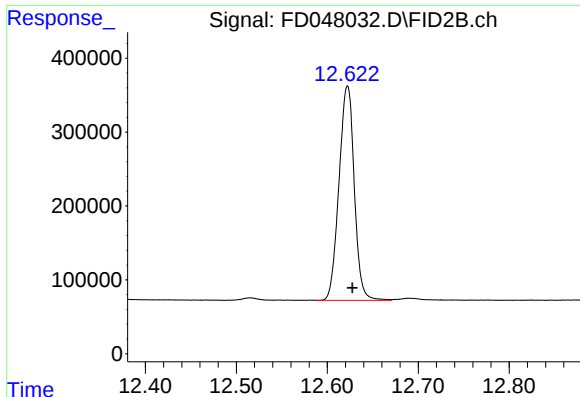
#11 ortho-Terphenyl (SURR)

R.T.: 11.297 min
Delta R.T.: 0.000 min
Response: 3519574
Conc: 21.04 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.329 min
Delta R.T.: -0.007 min
Response: 3434370
Conc: 21.69 ug/ml



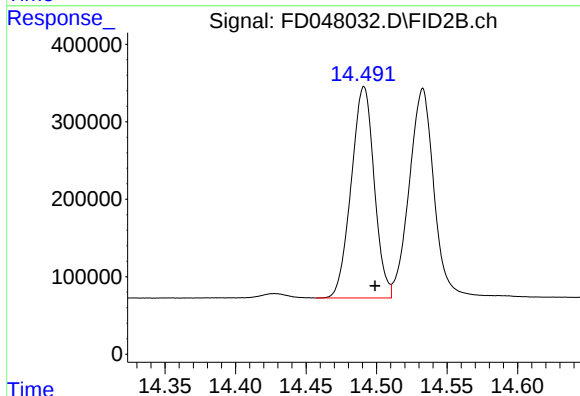
#13 Pyrene (C20.8)

R.T.: 12.622 min
Delta R.T.: -0.006 min
Response: 3387257
Conc: 21.42 ug/ml

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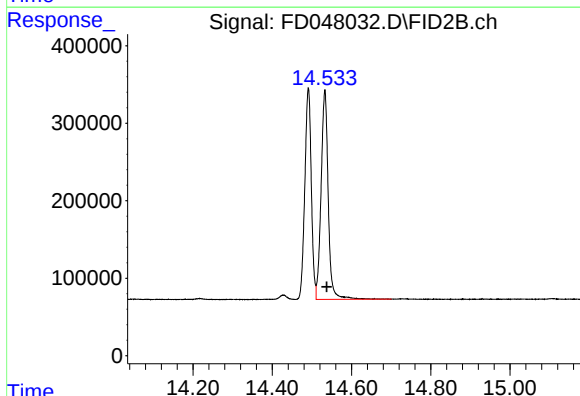
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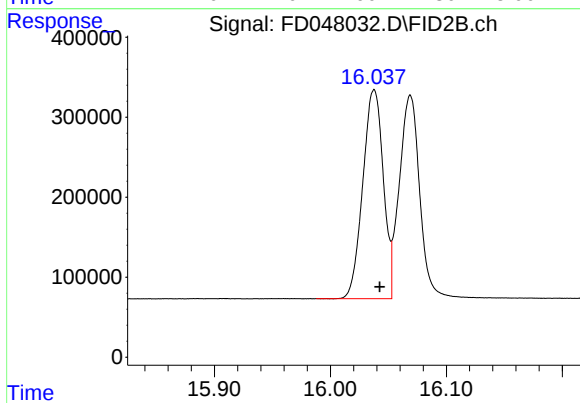
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.491 min
Delta R.T.: -0.008 min
Response: 3092067
Conc: 22.65 ug/ml



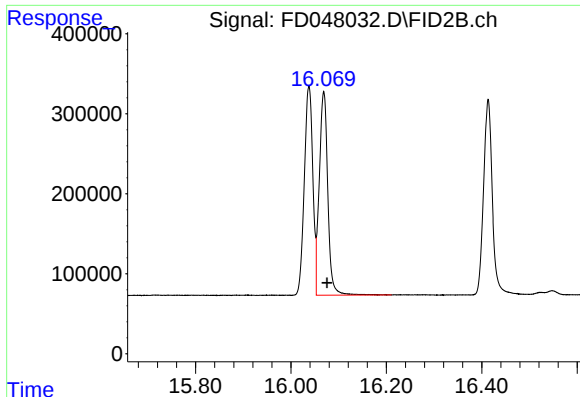
#15 Chrysene (C27.41)

R.T.: 14.533 min
Delta R.T.: -0.005 min
Response: 3377532
Conc: 20.95 ug/ml



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

R.T.: 16.038 min
Delta R.T.: -0.005 min
Response: 3211266
Conc: 22.31 ug/ml



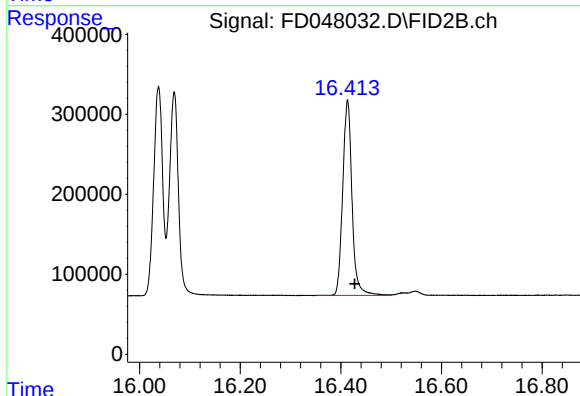
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.069 min
Delta R.T.: -0.007 min
Response: 3141000
Conc: 21.03 ug/ml

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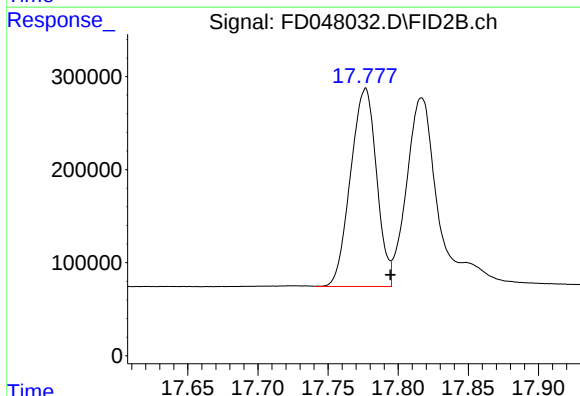
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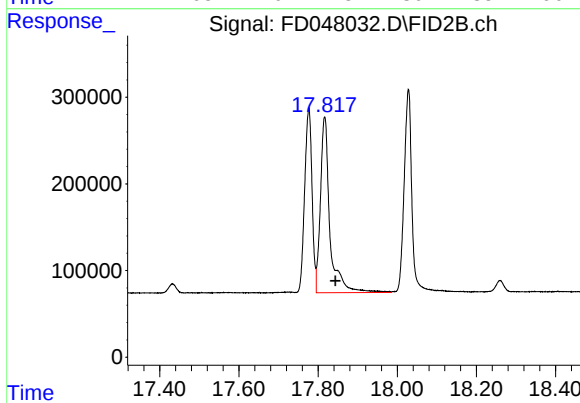
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.413 min
Delta R.T.: -0.014 min
Response: 3143311
Conc: 22.19 ug/ml



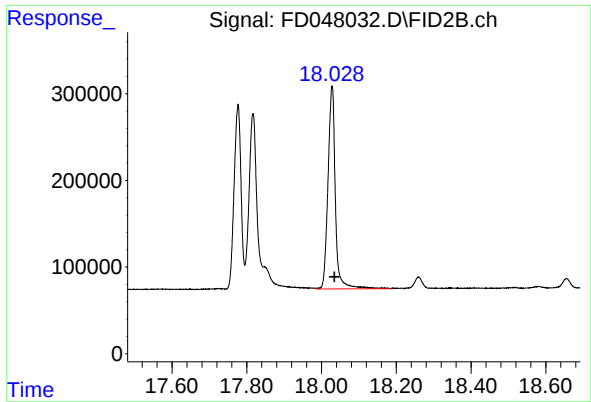
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.776 min
Delta R.T.: -0.018 min
Response: 2746003
Conc: 24.35 ug/ml



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

R.T.: 17.817 min
Delta R.T.: -0.027 min
Response: 3390006
Conc: 23.33 ug/ml



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

R.T.: 18.028 min
Delta R.T.: -0.007 min
Response: 3205297
Conc: 21.75 ug/ml

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