

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD073024AR\
 Data File : FD048078.D
 Signal(s) : FID2B.ch
 Acq On : 30 Jul 2024 21:52
 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 07/31/2024
 Supervised By :Ankita Jodhani 07/31/2024

Integration File: autoint1.e
 Quant Time: Jul 31 04:54:46 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...	7.406	2956407	19.892 ug/ml
Spiked Amount 50.000		Recovery =	39.78%
6) S 2-Fluorobiphenyl (SURR)	8.257	1956300	20.671 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.34%
11) S ortho-Terphenyl (SURR)	11.294	3372183	20.154 ug/ml
Spiked Amount 50.000		Recovery =	40.31%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.225	3307612	19.752 ug/ml
2) T Naphthalene (C11.7)	5.746	3423682	19.811 ug/ml
3) T 2-Methylnaphthalene (...)	6.793	3446647	19.869 ug/ml
5) T Acenaphthylene (C15.06)	8.060	3354508	19.575 ug/ml
7) T Acenaphthene (C15.5)	8.354	3442528	19.844 ug/ml
8) T Fluorene (C16.55)	9.133	3307043	20.361 ug/ml
9) T Phenanthrene (C19.36)	10.521	3238331	20.391 ug/ml
10) T Anthracene (C19.43)	10.595	2559698	16.211 ug/ml
12) T Fluoranthene (C21.85)	12.326	3271636	20.663 ug/ml
13) T Pyrene (C20.8)	12.619	3219466	20.360 ug/ml
14) T Benzo[a]anthracene (C...	14.488	2878821	21.086 ug/ml
15) T Chrysene (C27.41)	14.530	3046255	18.897 ug/ml
16) T benzo[b]fluoranthene ...	16.035	3040596	21.125 ug/ml
17) T Bnezo[k]fluoranthene ...	16.067	2987896	20.005 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.410	2923362	20.640 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.774	2676318	23.729 ug/mlm
20) T Dibenz[a,h]anthracene...	17.814	3258971	22.424 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.025	2993222	20.311 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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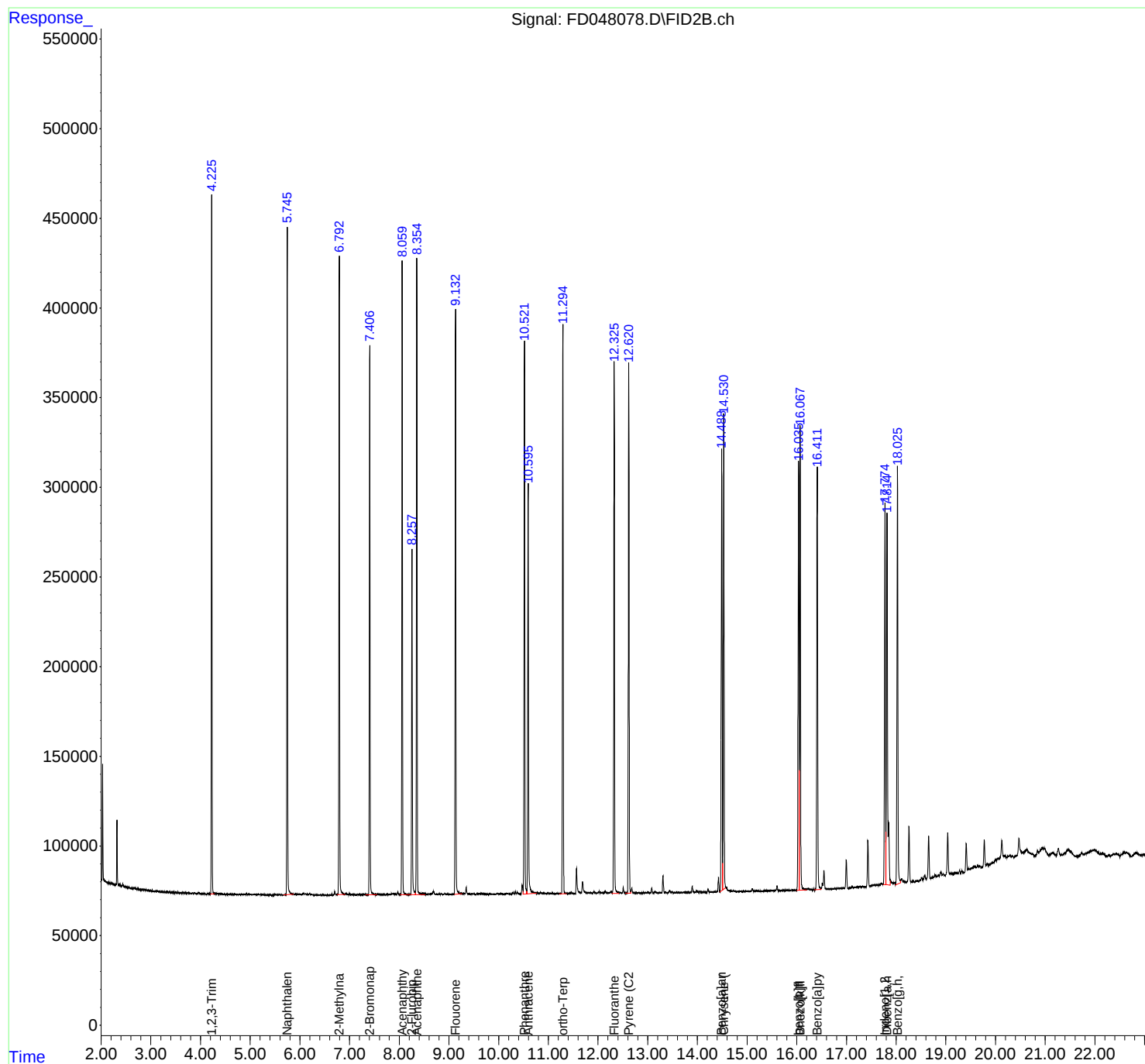
Instrument :
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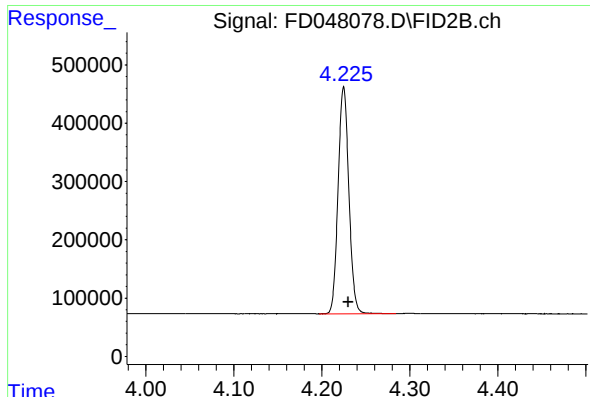
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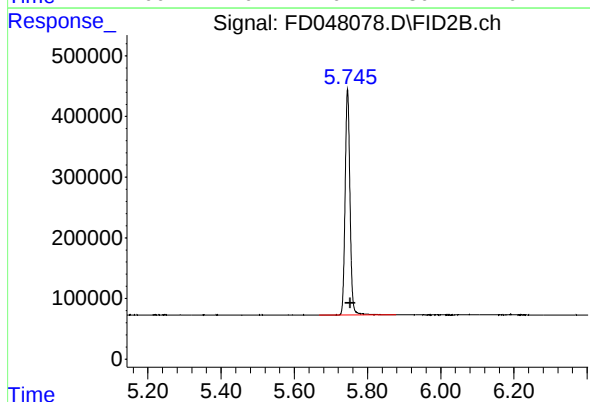
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.225 min
Delta R.T.: -0.005 min
Response: 3307612
Conc: 19.75 ug/ml

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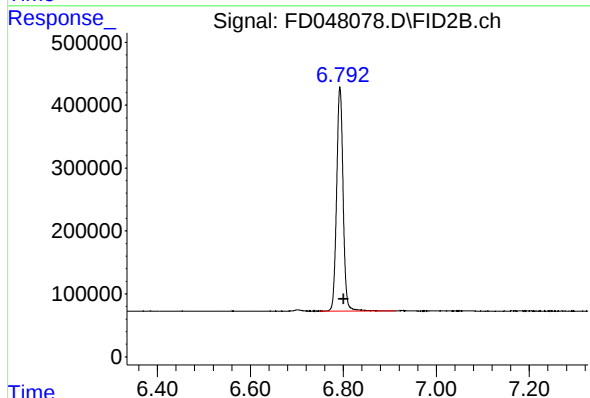
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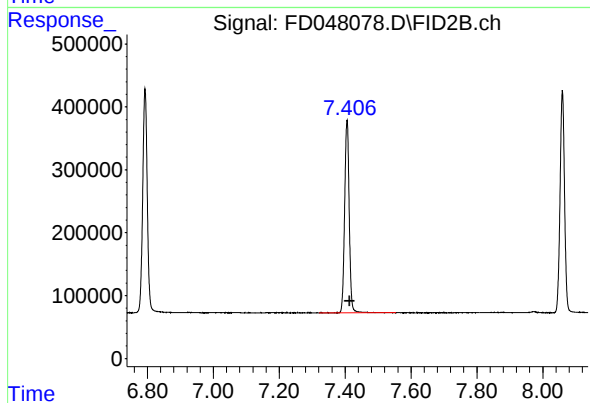
#2 Naphthalene (C11.7)

R.T.: 5.746 min
Delta R.T.: -0.008 min
Response: 3423682
Conc: 19.81 ug/ml



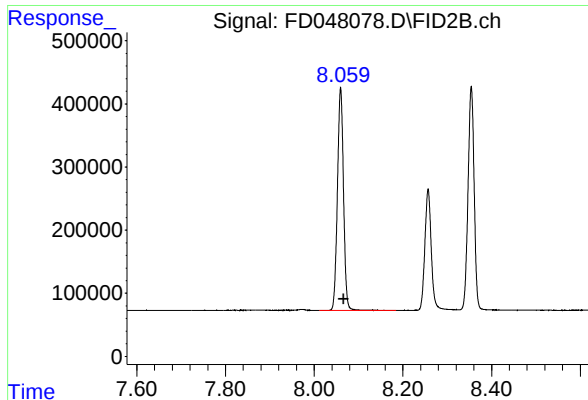
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.793 min
Delta R.T.: -0.008 min
Response: 3446647
Conc: 19.87 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.406 min
Delta R.T.: -0.008 min
Response: 2956407
Conc: 19.89 ug/ml



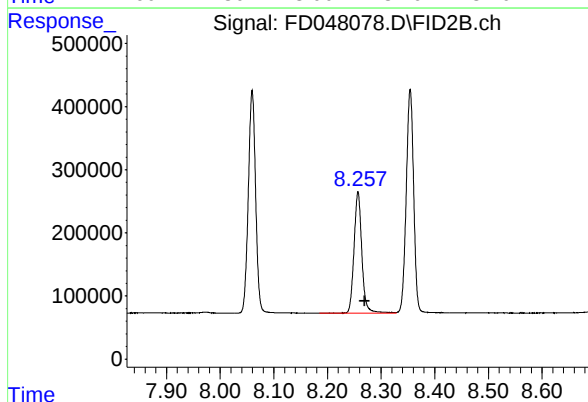
#5 Acenaphthylene (C15.06)

R.T.: 8.060 min
Delta R.T.: -0.007 min
Response: 3354508
Conc: 19.57 ug/ml

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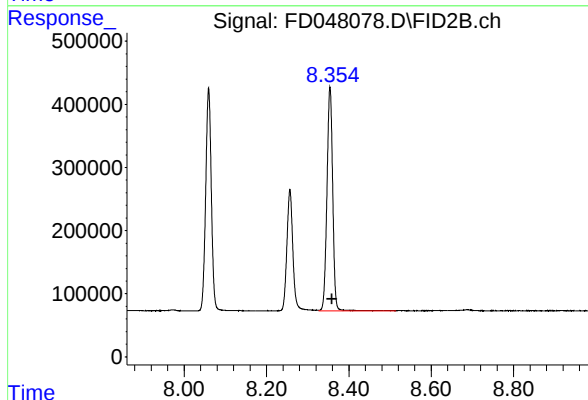
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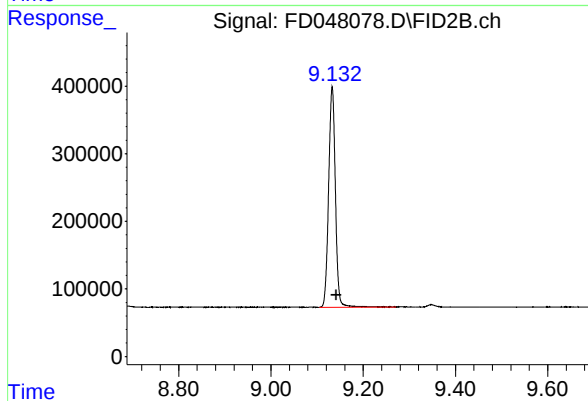
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.257 min
Delta R.T.: -0.012 min
Response: 1956300
Conc: 20.67 ug/ml



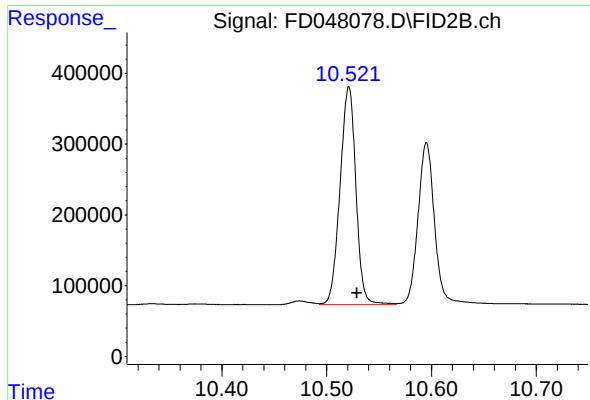
#7 Acenaphthene (C15.5)

R.T.: 8.354 min
Delta R.T.: -0.004 min
Response: 3442528
Conc: 19.84 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.133 min
Delta R.T.: -0.009 min
Response: 3307043
Conc: 20.36 ug/ml



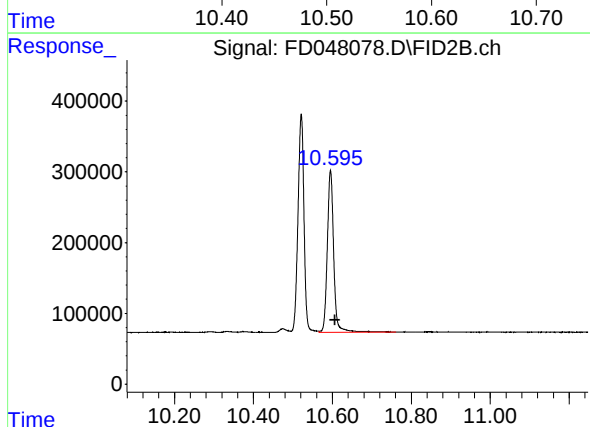
#9 Phenanthrene (C19.36)

R.T.: 10.521 min
Delta R.T.: -0.008 min
Response: 3238331
Conc: 20.39 ug/ml

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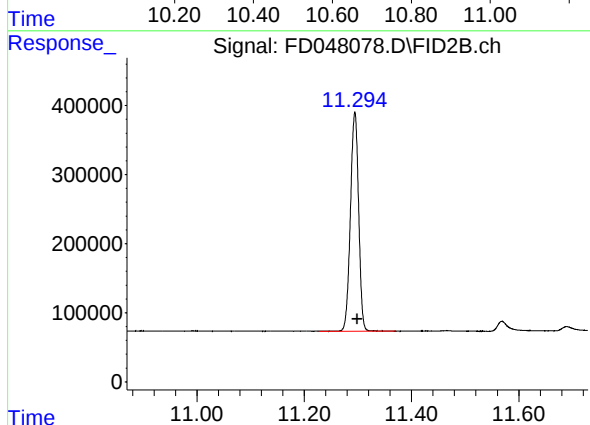
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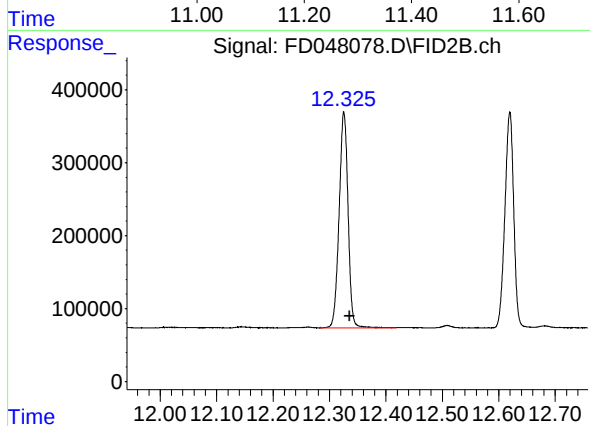
#10 Anthracene (C19.43)

R.T.: 10.595 min
Delta R.T.: -0.012 min
Response: 2559698
Conc: 16.21 ug/ml



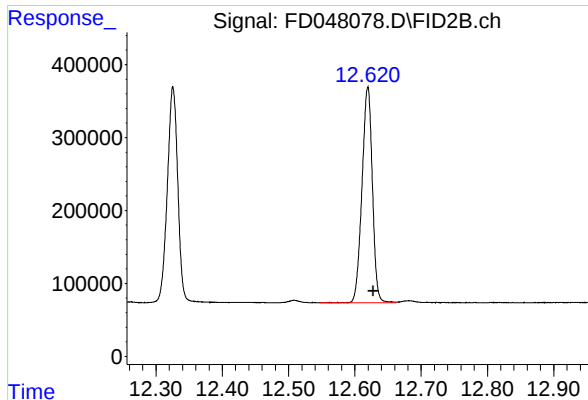
#11 ortho-Terphenyl (SURR)

R.T.: 11.294 min
Delta R.T.: -0.004 min
Response: 3372183
Conc: 20.15 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.326 min
Delta R.T.: -0.010 min
Response: 3271636
Conc: 20.66 ug/ml



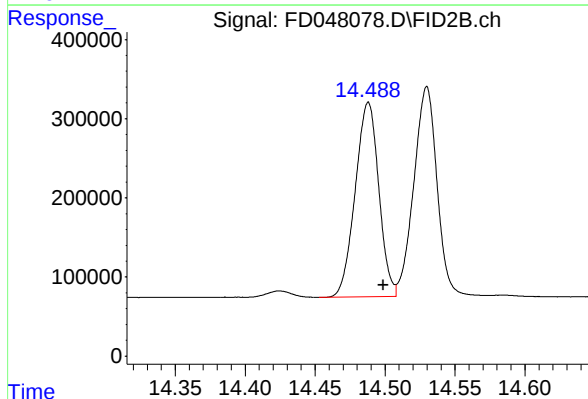
#13 Pyrene (C20.8)

R.T.: 12.619 min
Delta R.T.: -0.008 min
Response: 3219466
Conc: 20.36 ug/ml

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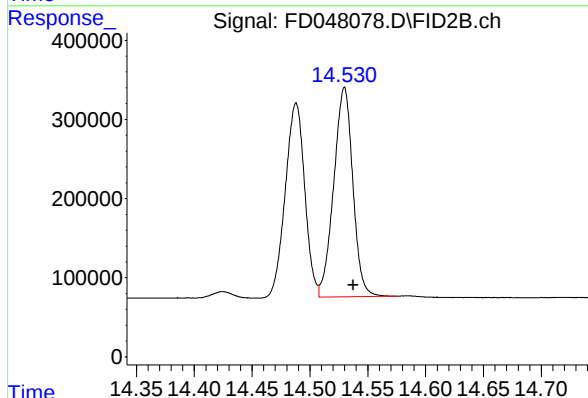
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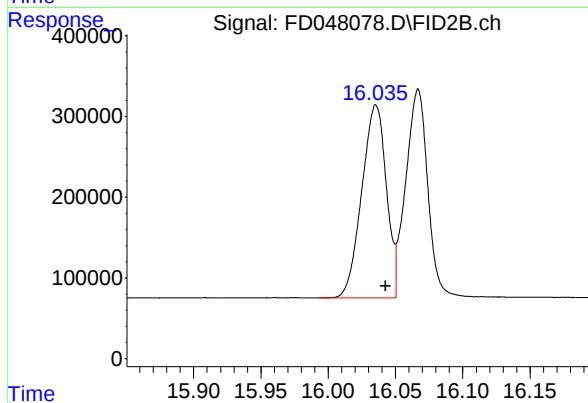
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.488 min
Delta R.T.: -0.011 min
Response: 2878821
Conc: 21.09 ug/ml



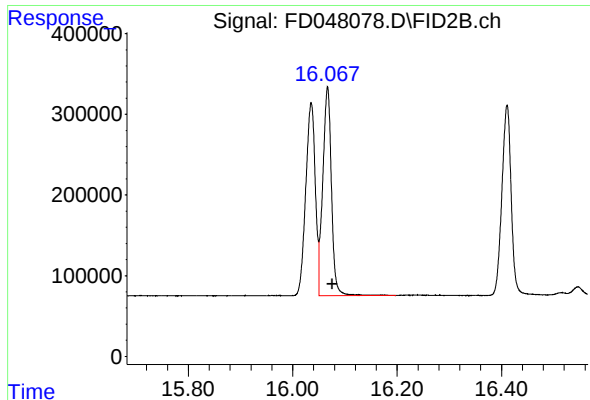
#15 Chrysene (C27.41)

R.T.: 14.530 min
Delta R.T.: -0.008 min
Response: 3046255
Conc: 18.90 ug/ml



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

R.T.: 16.035 min
Delta R.T.: -0.007 min
Response: 3040596
Conc: 21.12 ug/ml



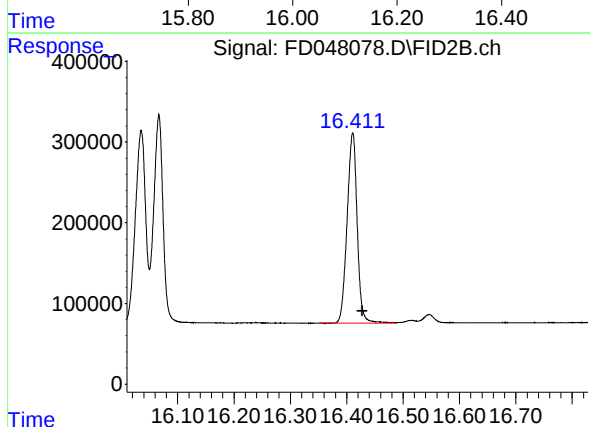
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.067 min
Delta R.T.: -0.009 min
Response: 2987896
Conc: 20.01 ug/ml

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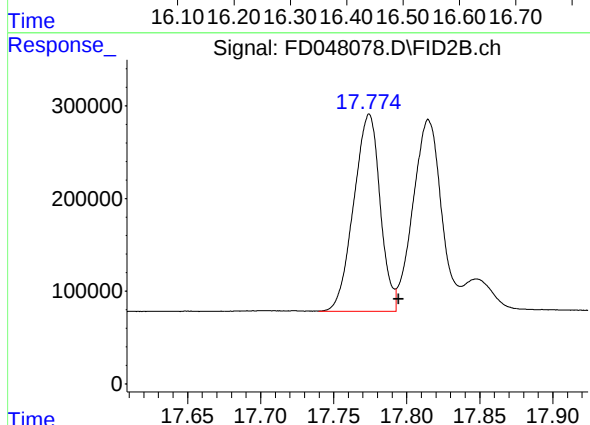
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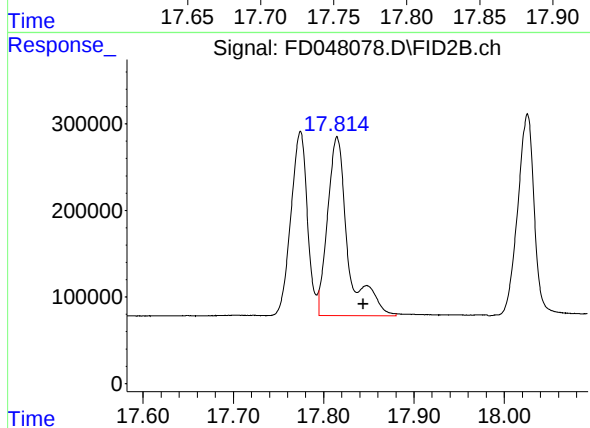
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.410 min
Delta R.T.: -0.017 min
Response: 2923362
Conc: 20.64 ug/ml



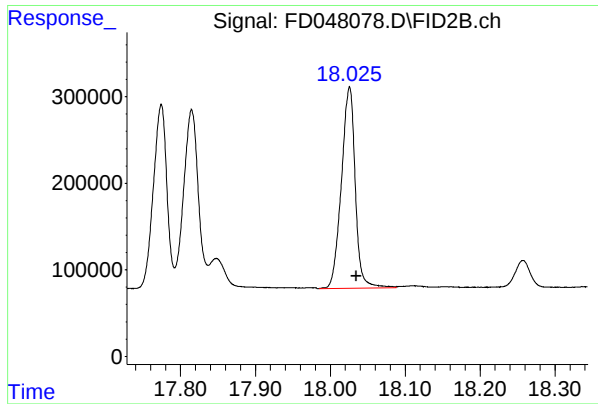
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.774 min
Delta R.T.: -0.021 min
Response: 2676318
Conc: 23.73 ug/ml m



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

R.T.: 17.814 min
Delta R.T.: -0.029 min
Response: 3258971
Conc: 22.42 ug/ml m



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

R.T.: 18.025 min
Delta R.T.: -0.010 min
Response: 2993222
Conc: 20.31 ug/ml

Instrument :

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