

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD073024AR\
 Data File : FD048087.D
 Signal(s) : FID2B.ch
 Acq On : 31 Jul 2024 04:12
 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 04:57:02 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	3012496	20.269 ug/ml
Spiked Amount 50.000		Recovery =	40.54%
6) S 2-Fluorobiphenyl (SURR)	8.256	1994240	21.072 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.14%
11) S ortho-Terphenyl (SURR)	11.294	3452644	20.635 ug/ml
Spiked Amount 50.000		Recovery =	41.27%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.225	3359997	20.065 ug/ml
2) T Naphthalene (C11.7)	5.745	3512198	20.324 ug/ml
3) T 2-Methylnaphthalene (...)	6.793	3533856	20.371 ug/ml
5) T Acenaphthylene (C15.06)	8.060	3432940	20.032 ug/ml
7) T Acenaphthene (C15.5)	8.354	3500839	20.180 ug/ml
8) T Fluorene (C16.55)	9.132	3401589	20.943 ug/ml
9) T Phenanthrene (C19.36)	10.520	3316753	20.885 ug/ml
10) T Anthracene (C19.43)	10.595	2593861	16.427 ug/ml
12) T Fluoranthene (C21.85)	12.325	3358426	21.211 ug/ml
13) T Pyrene (C20.8)	12.619	3294691	20.836 ug/ml
14) T Benzo[a]anthracene (C...	14.487	2951664	21.619 ug/ml
15) T Chrysene (C27.41)	14.529	3119844	19.353 ug/ml
16) T benzo[b]fluoranthene ...	16.033	3108270	21.595 ug/ml
17) T Bnezo[k]fluoranthene ...	16.065	3055149	20.455 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.410	2990772	21.116 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.773	2716342	24.084 ug/mlm
20) T Dibenz[a,h]anthracene...	17.813	3415744	23.503 ug/ml
21) T Benzo[g,h,i]perylene ...	18.024	3008682	20.416 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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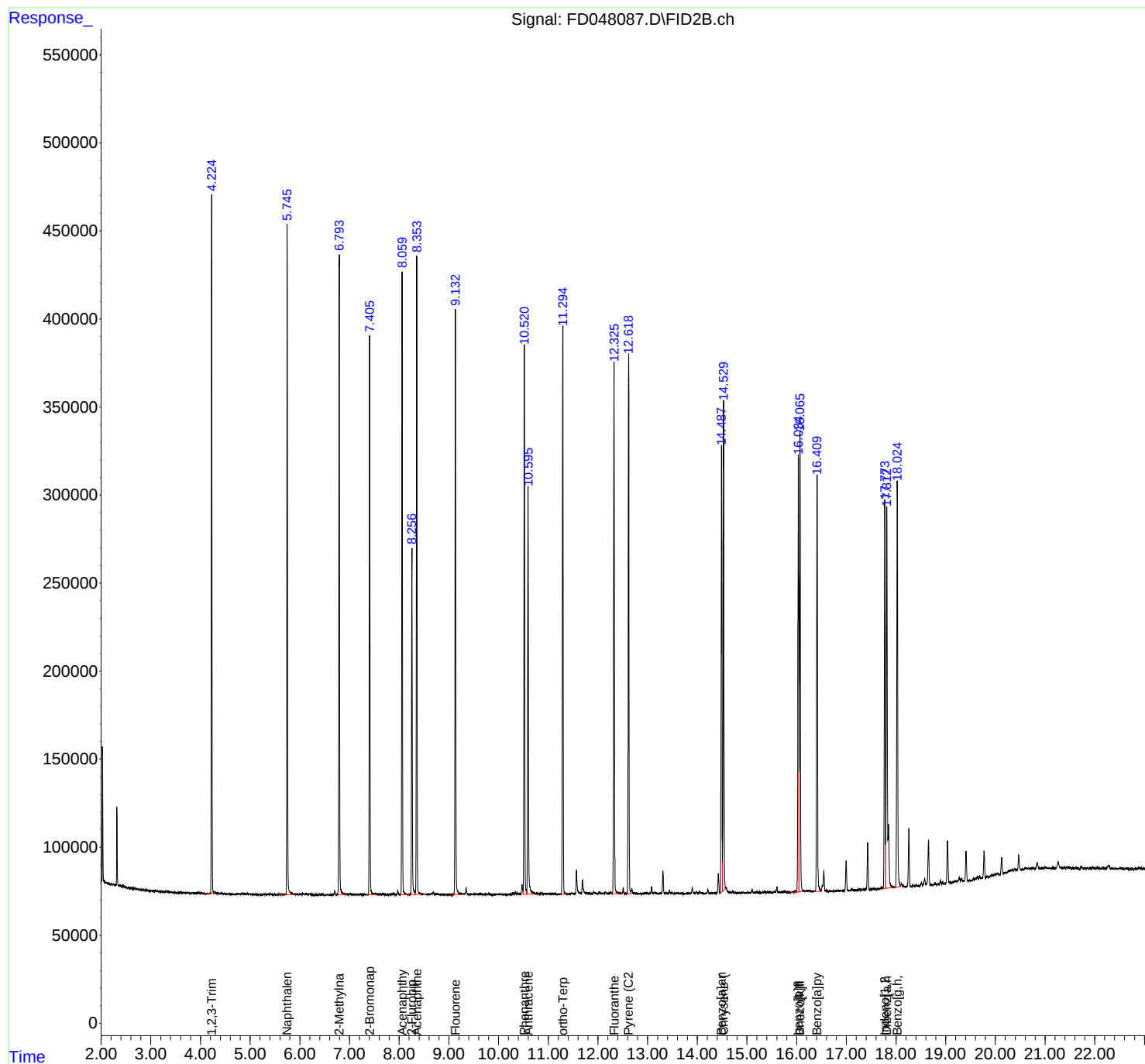
Instrument :
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20 PPM AROMATIC HC STD

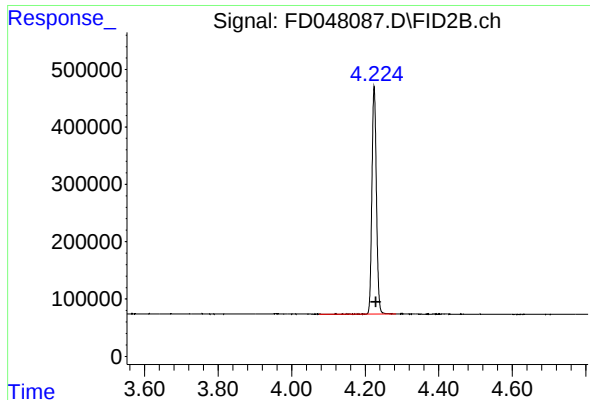
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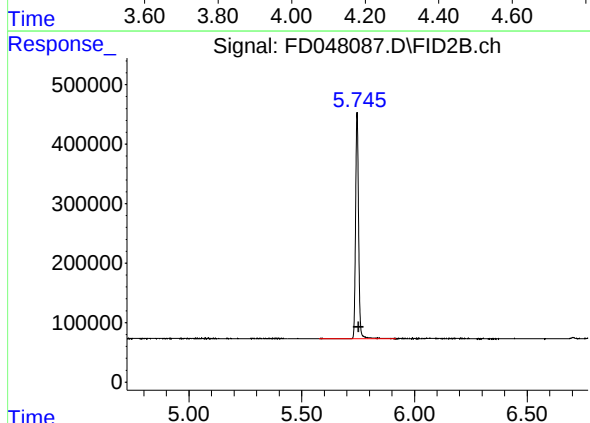
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.225 min
Delta R.T.: -0.005 min
Response: 3359997
Conc: 20.07 ug/ml

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20 PPM AROMATIC HC STD

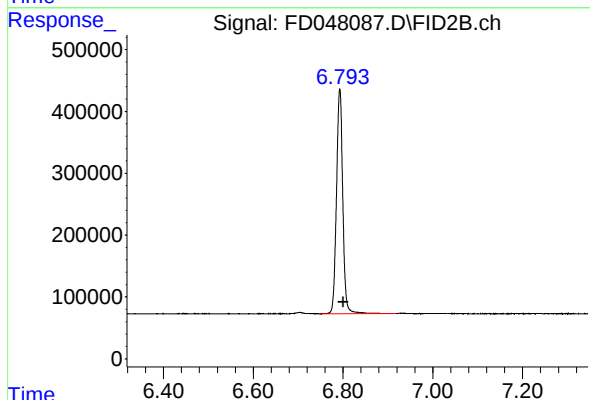
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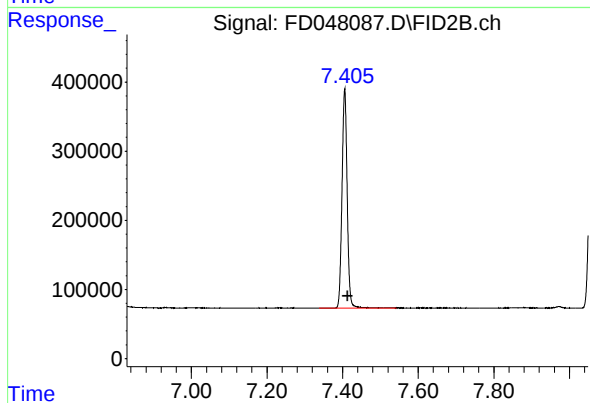
#2 Naphthalene (C11.7)

R.T.: 5.745 min
Delta R.T.: -0.008 min
Response: 3512198
Conc: 20.32 ug/ml



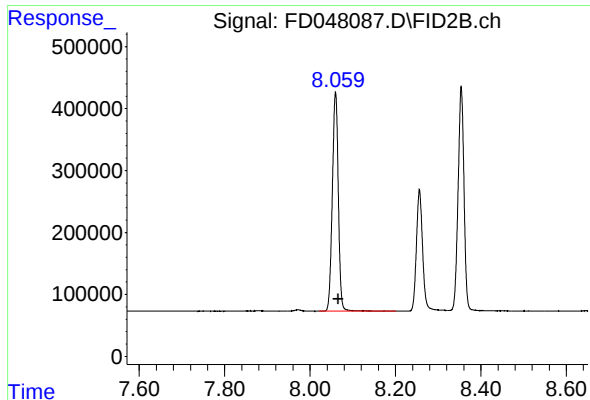
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.793 min
Delta R.T.: -0.008 min
Response: 3533856
Conc: 20.37 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.406 min
Delta R.T.: -0.008 min
Response: 3012496
Conc: 20.27 ug/ml



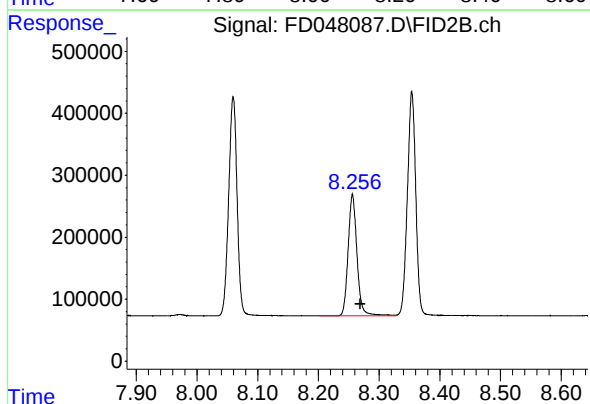
#5 Acenaphthylene (C15.06)

R.T.: 8.060 min
Delta R.T.: -0.007 min
Response: 3432940
Conc: 20.03 ug/ml

Instrument :
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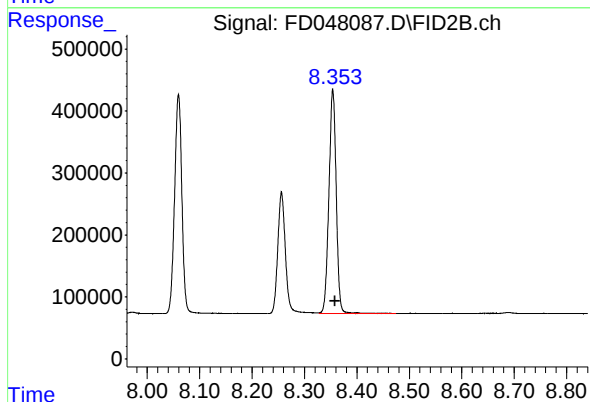
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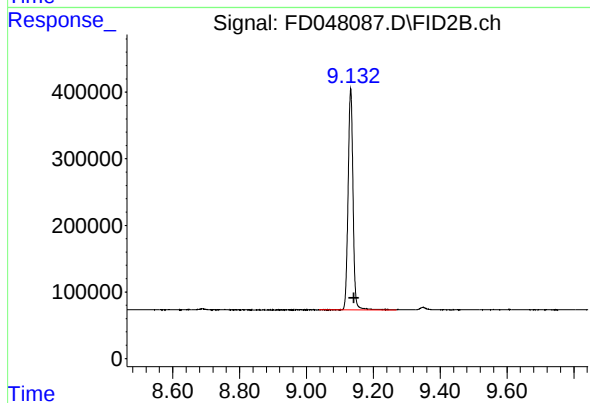
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.256 min
Delta R.T.: -0.013 min
Response: 1994240
Conc: 21.07 ug/ml



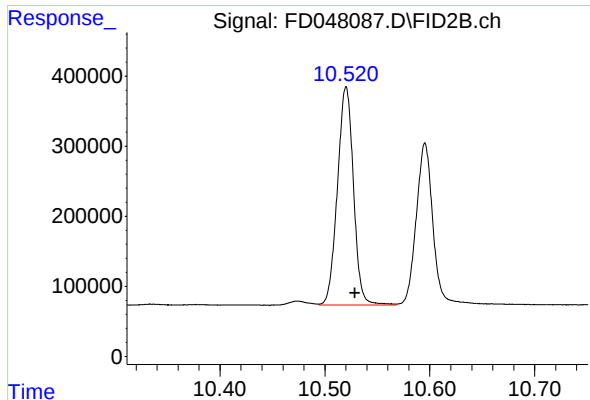
#7 Acenaphthene (C15.5)

R.T.: 8.354 min
Delta R.T.: -0.004 min
Response: 3500839
Conc: 20.18 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.132 min
Delta R.T.: -0.010 min
Response: 3401589
Conc: 20.94 ug/ml



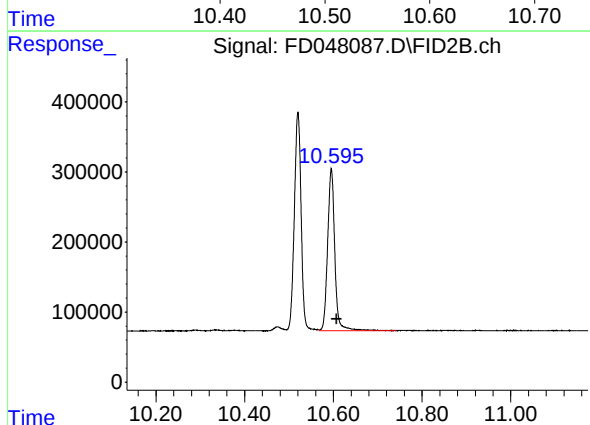
#9 Phenanthrene (C19.36)

R.T.: 10.520 min
Delta R.T.: -0.008 min
Response: 3316753
Conc: 20.88 ug/ml

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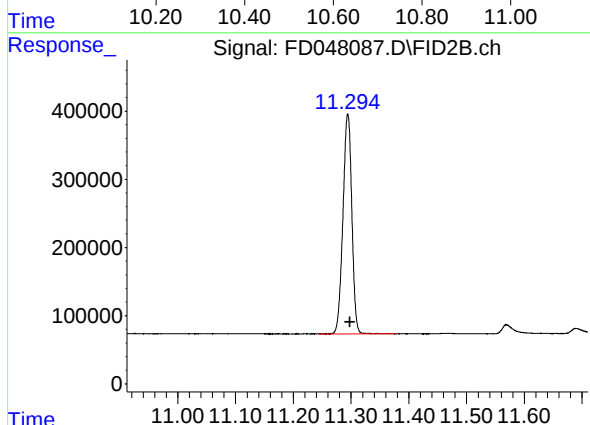
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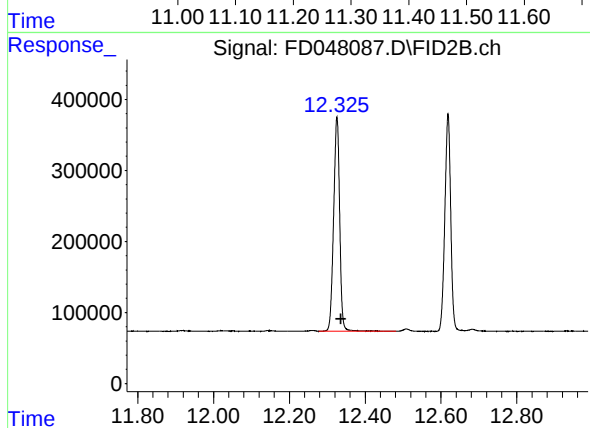
#10 Anthracene (C19.43)

R.T.: 10.595 min
Delta R.T.: -0.012 min
Response: 2593861
Conc: 16.43 ug/ml



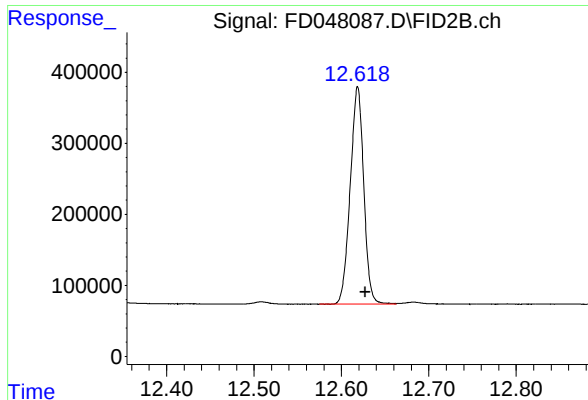
#11 ortho-Terphenyl (SURR)

R.T.: 11.294 min
Delta R.T.: -0.004 min
Response: 3452644
Conc: 20.64 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.325 min
Delta R.T.: -0.010 min
Response: 3358426
Conc: 21.21 ug/ml



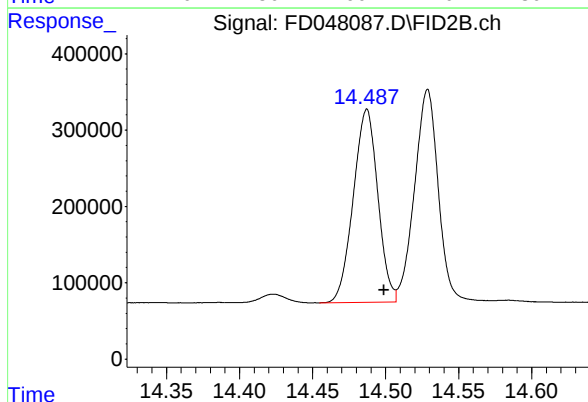
#13 Pyrene (C20.8)

R.T.: 12.619 min
Delta R.T.: -0.009 min
Response: 3294691
Conc: 20.84 ug/ml

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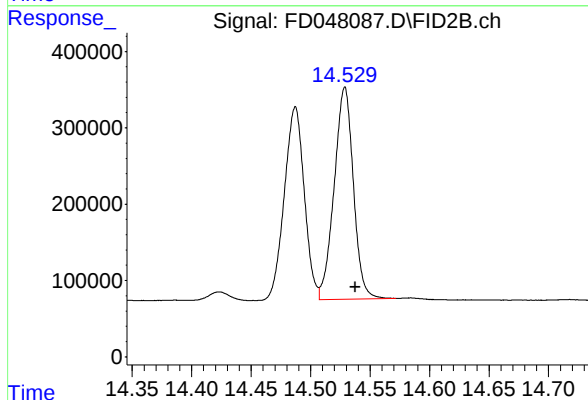
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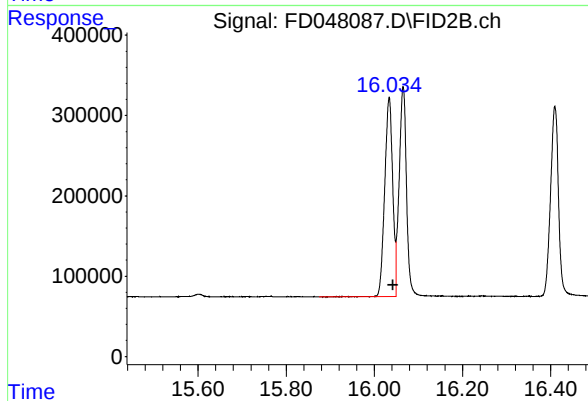
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.487 min
Delta R.T.: -0.012 min
Response: 2951664
Conc: 21.62 ug/ml



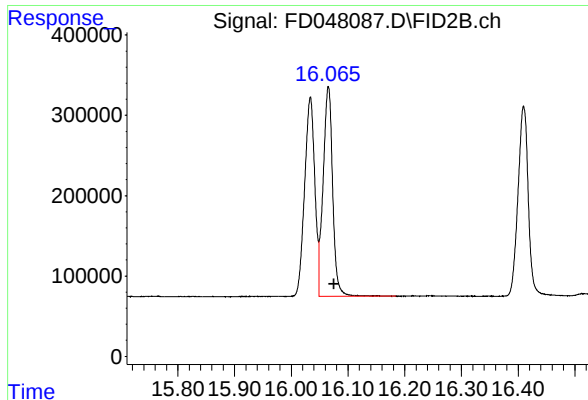
#15 Chrysene (C27.41)

R.T.: 14.529 min
Delta R.T.: -0.009 min
Response: 3119844
Conc: 19.35 ug/ml



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

R.T.: 16.033 min
Delta R.T.: -0.009 min
Response: 3108270
Conc: 21.59 ug/ml



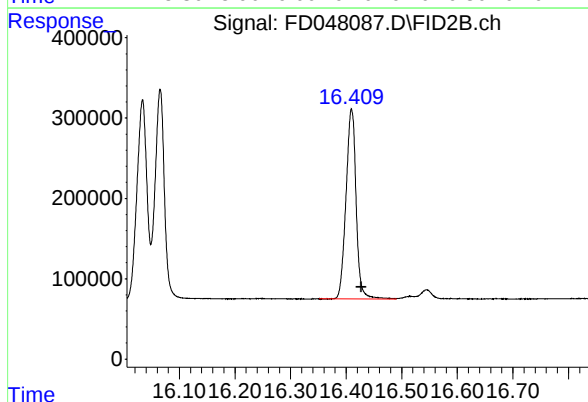
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.065 min
Delta R.T.: -0.011 min
Response: 3055149
Conc: 20.46 ug/ml

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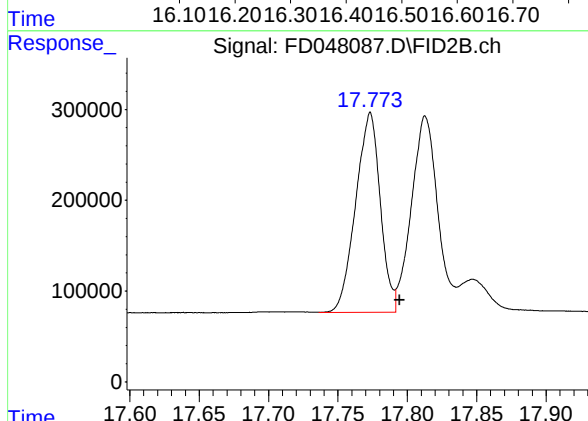
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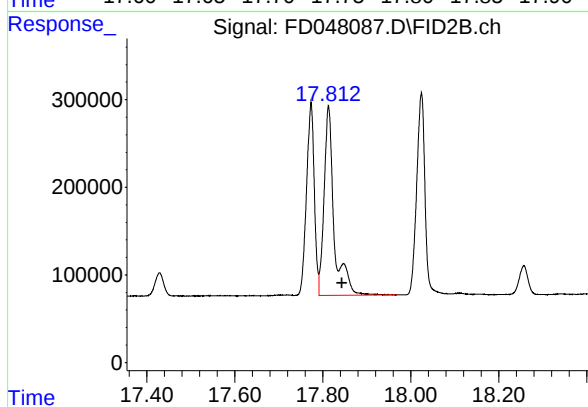
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.410 min
Delta R.T.: -0.018 min
Response: 2990772
Conc: 21.12 ug/ml



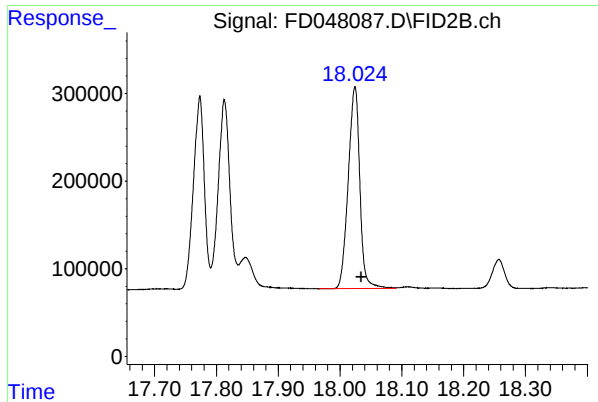
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.773 min
Delta R.T.: -0.022 min
Response: 2716342
Conc: 24.08 ug/ml m



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

R.T.: 17.813 min
Delta R.T.: -0.031 min
Response: 3415744
Conc: 23.50 ug/ml



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

R.T.: 18.024 min
Delta R.T.: -0.011 min
Response: 3008682
Conc: 20.42 ug/ml

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