

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD080724AR\
 Data File : FD048173.D
 Signal(s) : FID2B.ch
 Acq On : 08 Aug 2024 00:03
 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 08/08/2024
 Supervised By :Ankita Jodhani 08/08/2024

Integration File: autoint1.e
 Quant Time: Aug 08 03:22:12 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...	7.399	2945410	19.818 ug/ml
Spiked Amount 50.000		Recovery =	39.64%
6) S 2-Fluorobiphenyl (SURR)	8.251	1949004	20.594 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.19%
11) S ortho-Terphenyl (SURR)	11.287	3343885	19.985 ug/ml
Spiked Amount 50.000		Recovery =	39.97%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.220	3362811	20.082 ug/ml
2) T Naphthalene (C11.7)	5.740	3456940	20.004 ug/ml
3) T 2-Methylnaphthalene (...)	6.787	3471859	20.014 ug/ml
5) T Acenaphthylene (C15.06)	8.054	3392970	19.799 ug/ml
7) T Acenaphthene (C15.5)	8.348	3417606	19.701 ug/ml
8) T Fluorene (C16.55)	9.126	3325002	20.472 ug/ml
9) T Phenanthrene (C19.36)	10.514	3247378	20.448 ug/ml
10) T Anthracene (C19.43)	10.589	3171429	20.085 ug/ml
12) T Fluoranthene (C21.85)	12.319	3221762	20.348 ug/ml
13) T Pyrene (C20.8)	12.612	3177750	20.096 ug/ml
14) T Benzo[a]anthracene (C...	14.480	2946653	21.583 ug/ml
15) T Chrysene (C27.41)	14.521	3119653	19.352 ug/ml
16) T benzo[b]fluoranthene ...	16.027	3031169	21.059 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.058	2886028	19.323 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.402	3004066	21.210 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.766	2737397	24.271 ug/mlm
20) T Dibenz[a,h]anthracene...	17.806	3075761	21.163 ug/ml
21) T Benzo[g,h,i]perylene ...	18.016	3085772	20.939 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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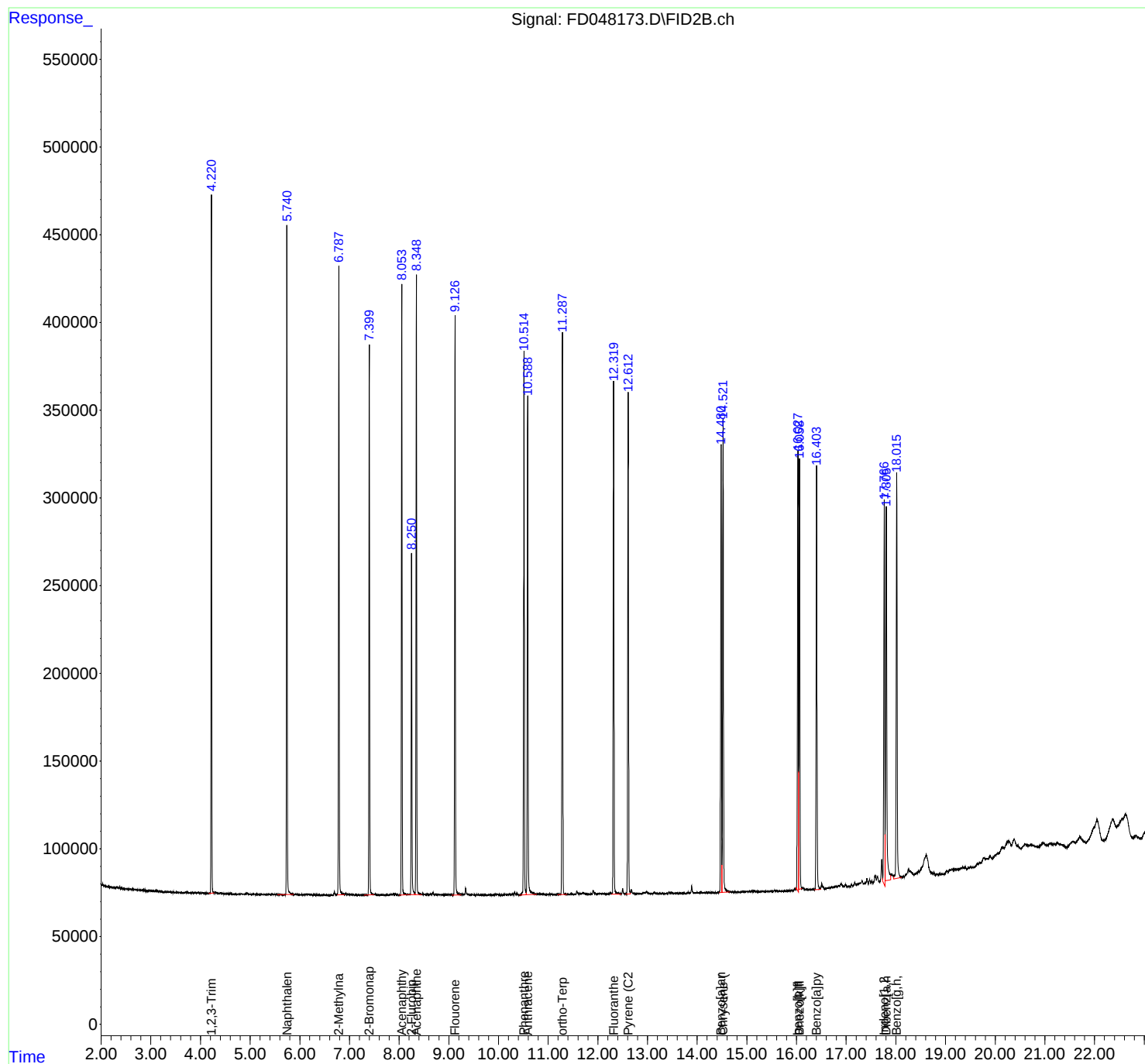
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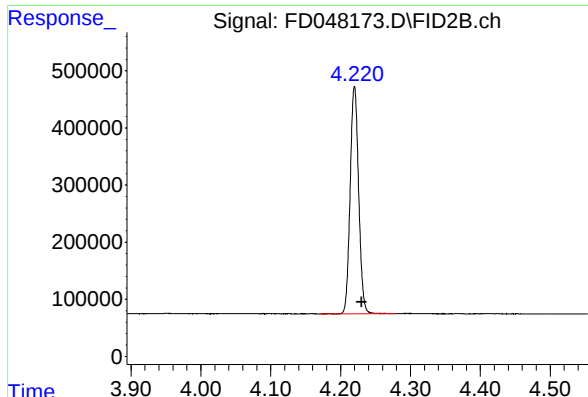
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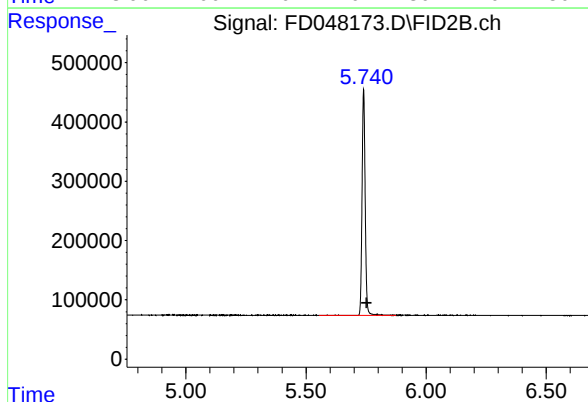
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.220 min
Delta R.T.: -0.010 min
Response: 3362811
Conc: 20.08 ug/ml

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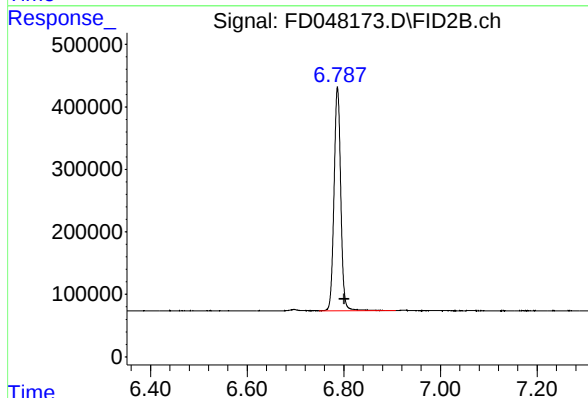
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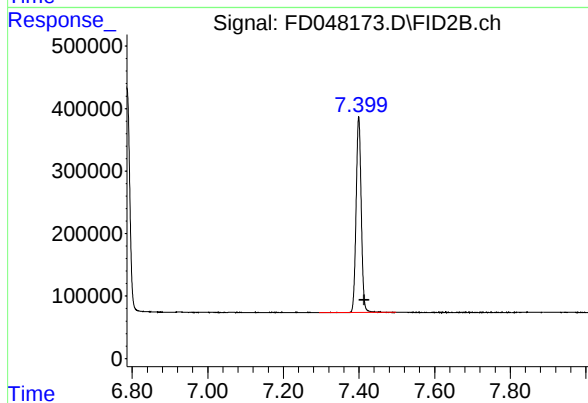
#2 Naphthalene (C11.7)

R.T.: 5.740 min
Delta R.T.: -0.013 min
Response: 3456940
Conc: 20.00 ug/ml



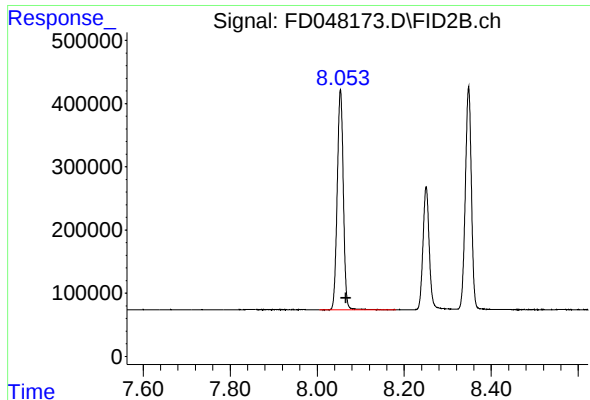
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.787 min
Delta R.T.: -0.014 min
Response: 3471859
Conc: 20.01 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.399 min
Delta R.T.: -0.014 min
Response: 2945410
Conc: 19.82 ug/ml



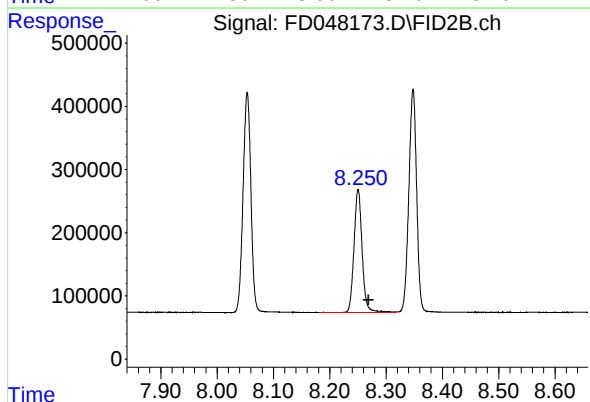
#5 Acenaphthylene (C15.06)

R.T.: 8.054 min
Delta R.T.: -0.013 min
Response: 3392970
Conc: 19.80 ug/ml

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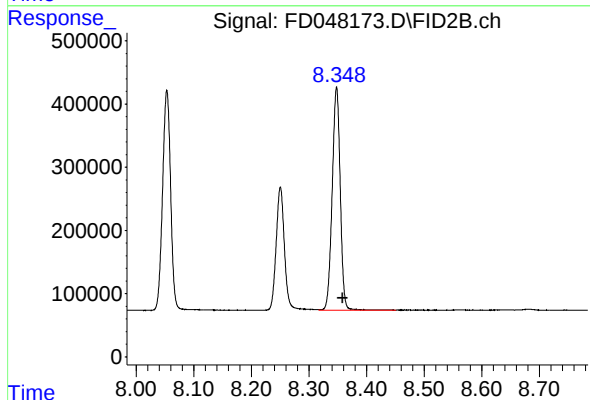
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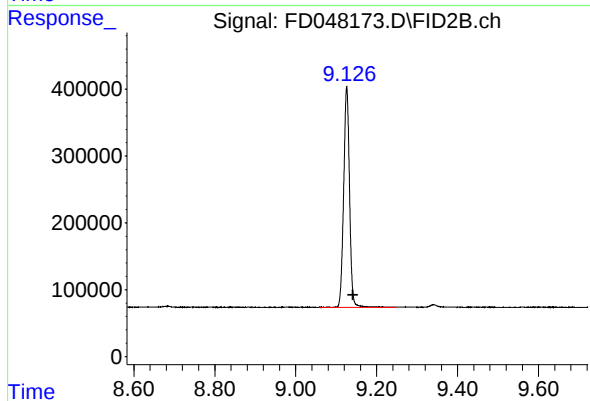
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.251 min
Delta R.T.: -0.018 min
Response: 1949004
Conc: 20.59 ug/ml



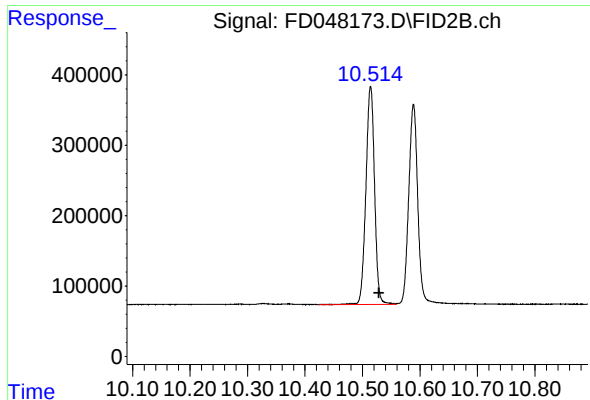
#7 Acenaphthene (C15.5)

R.T.: 8.348 min
Delta R.T.: -0.011 min
Response: 3417606
Conc: 19.70 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.126 min
Delta R.T.: -0.016 min
Response: 3325002
Conc: 20.47 ug/ml



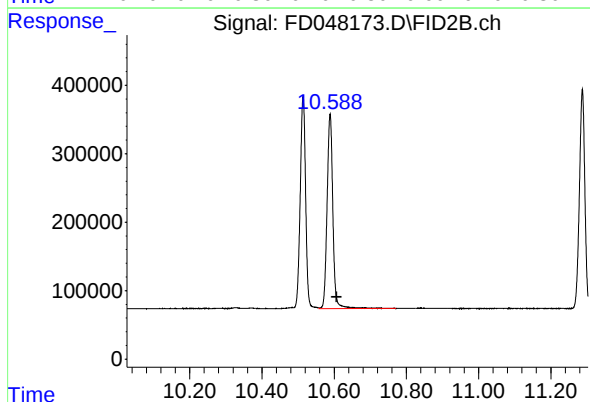
#9 Phenanthrene (C19.36)

R.T.: 10.514 min
Delta R.T.: -0.015 min
Response: 3247378
Conc: 20.45 ug/ml

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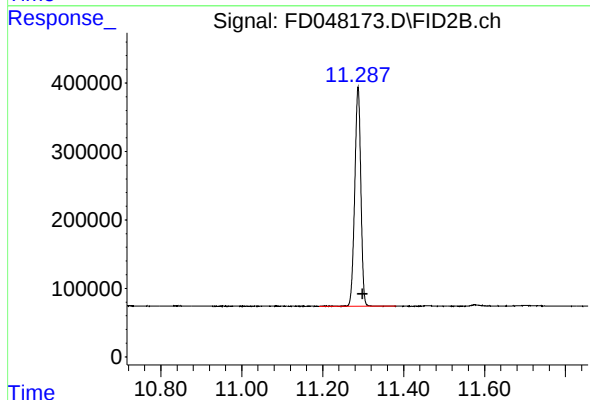
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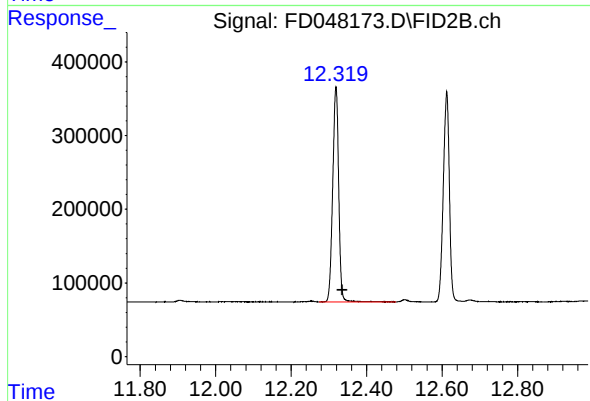
#10 Anthracene (C19.43)

R.T.: 10.589 min
Delta R.T.: -0.019 min
Response: 3171429
Conc: 20.09 ug/ml



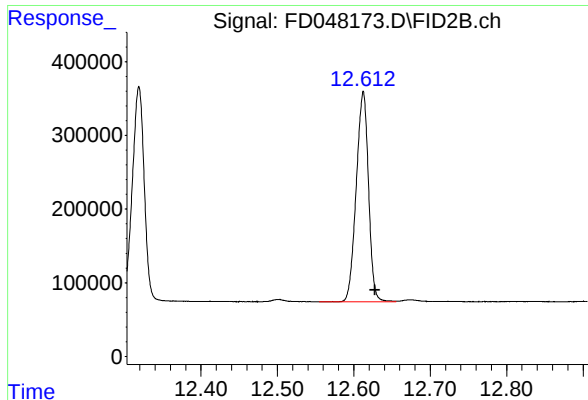
#11 ortho-Terphenyl (SURR)

R.T.: 11.287 min
Delta R.T.: -0.011 min
Response: 3343885
Conc: 19.99 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.319 min
Delta R.T.: -0.017 min
Response: 3221762
Conc: 20.35 ug/ml



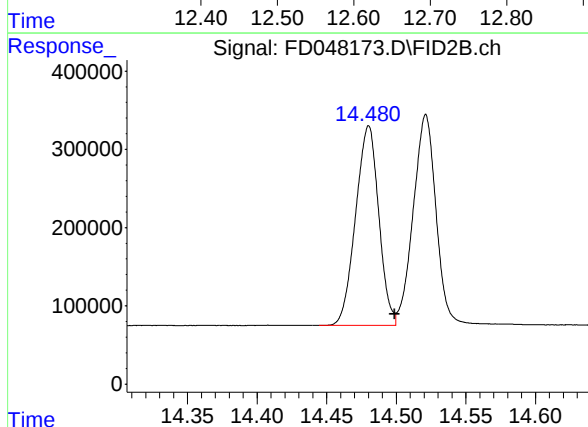
#13 Pyrene (C20.8)

R.T.: 12.612 min
Delta R.T.: -0.016 min
Response: 3177750
Conc: 20.10 ug/ml

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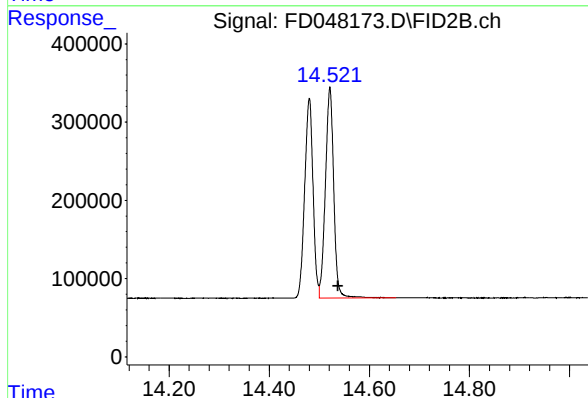
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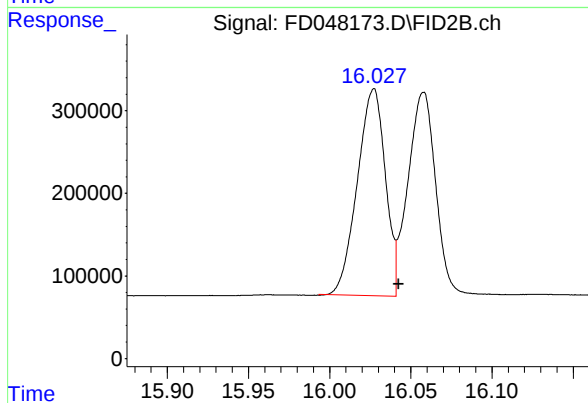
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.480 min
Delta R.T.: -0.019 min
Response: 2946653
Conc: 21.58 ug/ml



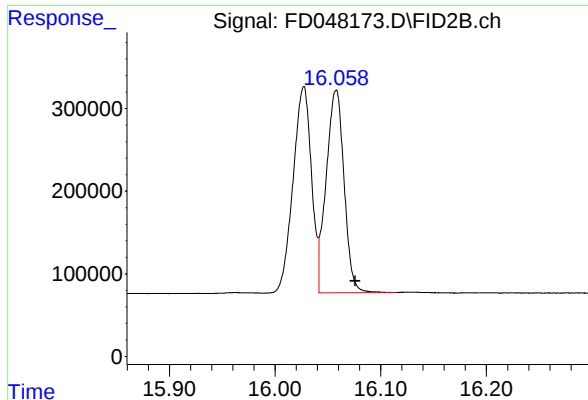
#15 Chrysene (C27.41)

R.T.: 14.521 min
Delta R.T.: -0.016 min
Response: 3119653
Conc: 19.35 ug/ml



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

R.T.: 16.027 min
Delta R.T.: -0.015 min
Response: 3031169
Conc: 21.06 ug/ml m



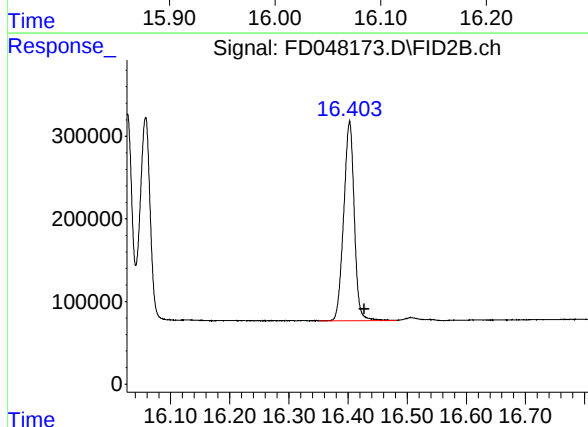
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.058 min
Delta R.T.: -0.018 min
Response: 2886028
Conc: 19.32 ug/ml

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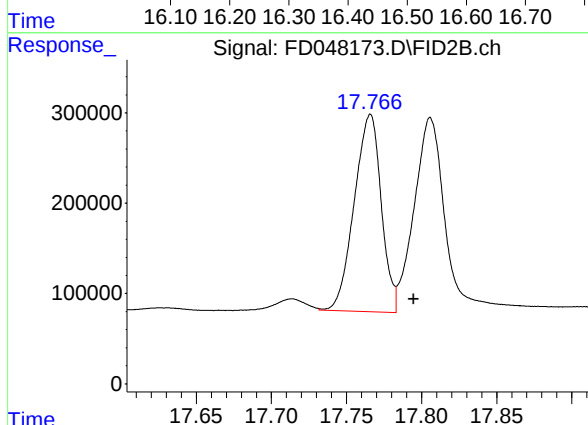
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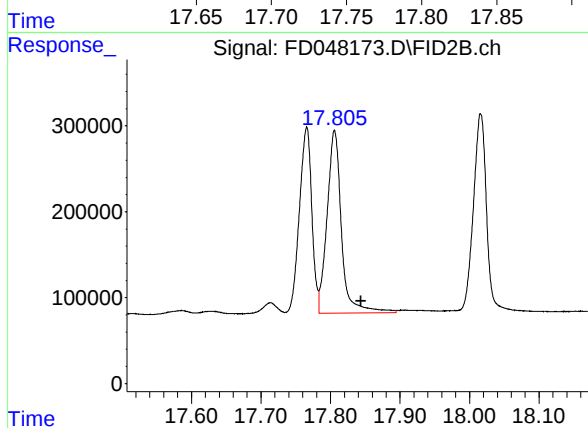
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.402 min
Delta R.T.: -0.025 min
Response: 3004066
Conc: 21.21 ug/ml



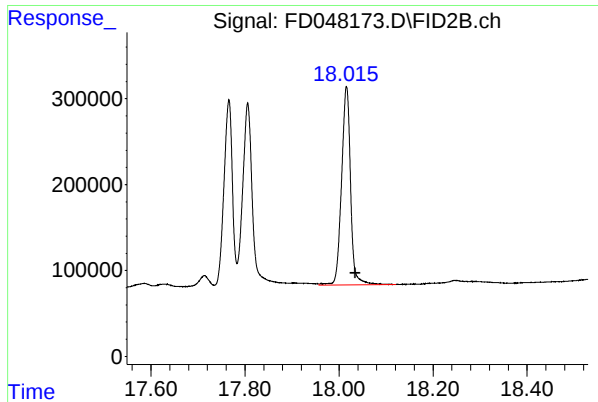
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.766 min
Delta R.T.: -0.029 min
Response: 2737397
Conc: 24.27 ug/ml m



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

R.T.: 17.806 min
Delta R.T.: -0.038 min
Response: 3075761
Conc: 21.16 ug/ml



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

R.T.: 18.016 min
Delta R.T.: -0.019 min
Response: 3085772
Conc: 20.94 ug/ml

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