

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122322AR\
 Data File : FD044707.D
 Signal(s) : FID2B.ch
 Acq On : 24 Dec 2022 07:19
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/27/2022
 Supervised By :Ankita Jodhani 12/27/2022

Integration File: autoint1.e
 Quant Time: Dec 25 14:29:49 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 112922.M
 Quant Title : GC Extractables
 QLast Update : Tue Nov 29 00:29:41 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...	7.662	2748169	21.176 ug/mlm
Spiked Amount 50.000		Recovery =	42.35%
6) S 2-Fluorobiphenyl (SURR)	8.519	1845724	20.899 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.80%
11) S ortho-Terphenyl (SURR)	11.548	3409391	20.949 ug/ml
Spiked Amount 50.000		Recovery =	41.90%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.479	3077891	21.568 ug/mlm
2) T Naphthalene (C11.7)	6.009	3190475	21.220 ug/mlm
3) T 2-Methylnaphthalene (...)	7.054	3195287	21.148 ug/mlm
5) T Acenaphthylene (C15.06)	8.324	2905292	20.899 ug/ml
7) T Acenaphthene (C15.5)	8.618	3084278	21.016 ug/ml
8) T Flouorene (C16.55)	9.394	3030255	21.016 ug/mlm
9) T Phenanthrene (C19.36)	10.784	2963875	20.784 ug/mlm
10) T Anthracene (C19.43)	10.857	2844972	20.477 ug/ml
12) T Fluoranthene (C21.85)	12.585	2962041	20.778 ug/ml
13) T Pyrene (C20.8)	12.880	2905620	20.878 ug/ml
14) T Benzo[a]anthracene (C...	14.741	2736352	21.148 ug/mlm
15) T Chrysene (C27.41)	14.782	2857106	21.193 ug/ml
16) T benzo[b]fluoranthene ...	16.281	2833520	21.528 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.313	2824527	21.691 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.656	2798739	21.656 ug/mlm
19) T Indeno[1,2,3-cd]pyren...	18.013	2675072	20.989 ug/mlm
20) T Dibenz[a,h]anthracene...	18.053	2706535	21.511 ug/ml
21) T Benzo[g,h,i]perylene ...	18.264	2702062	21.008 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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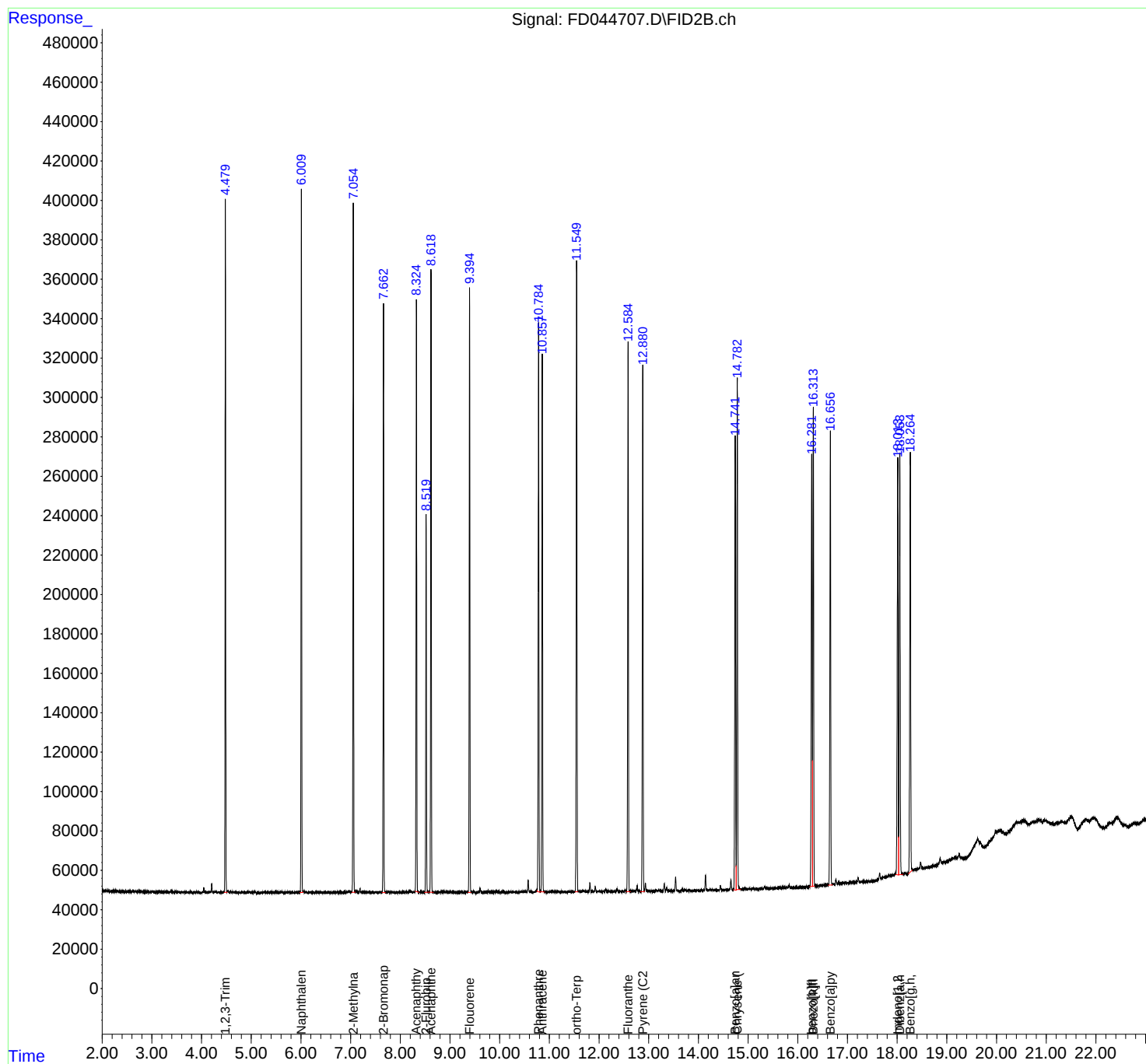
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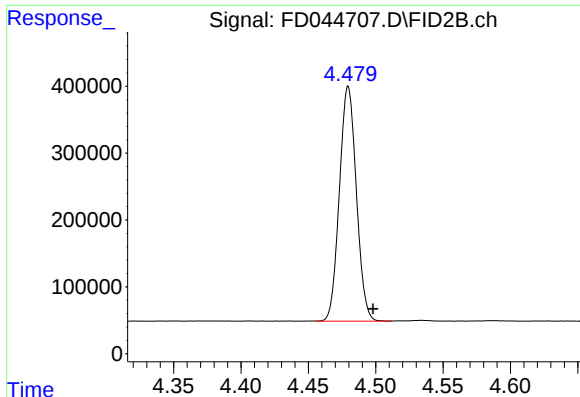
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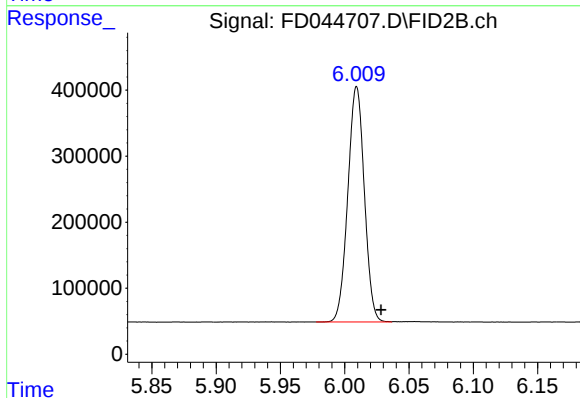
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.479 min
Delta R.T.: -0.019 min
Response: 3077891
Conc: 21.57 ug/ml

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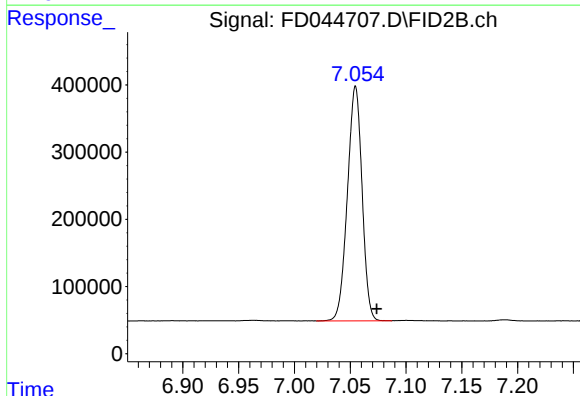
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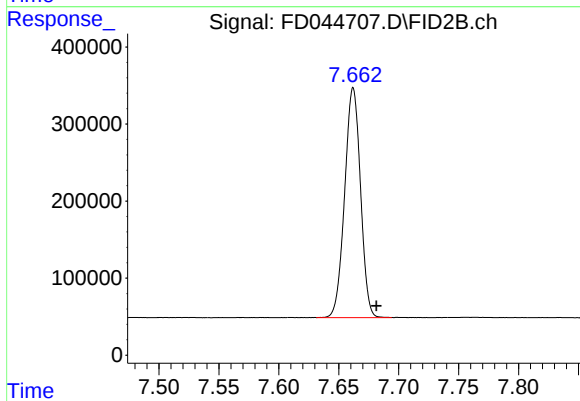
#2 Naphthalene (C11.7)

R.T.: 6.009 min
Delta R.T.: -0.019 min
Response: 3190475
Conc: 21.22 ug/ml m



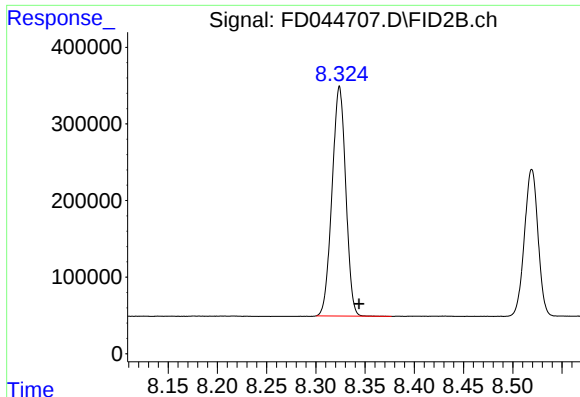
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.054 min
Delta R.T.: -0.019 min
Response: 3195287
Conc: 21.15 ug/ml m



#4 2-Bromonaphthalene (SURR)

R.T.: 7.662 min
Delta R.T.: -0.020 min
Response: 2748169
Conc: 21.18 ug/ml m



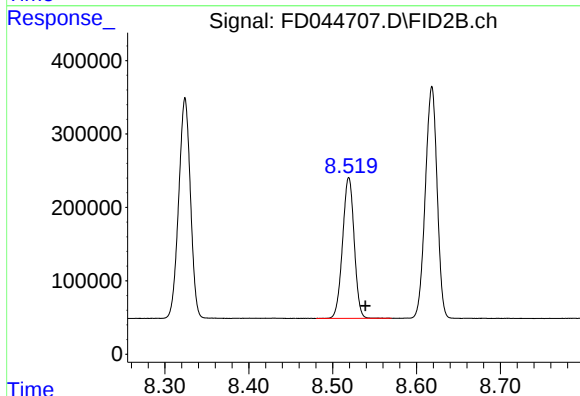
#5 Acenaphthylene (C15.06)

R.T.: 8.324 min
Delta R.T.: -0.020 min
Response: 2905292
Conc: 20.90 ug/ml

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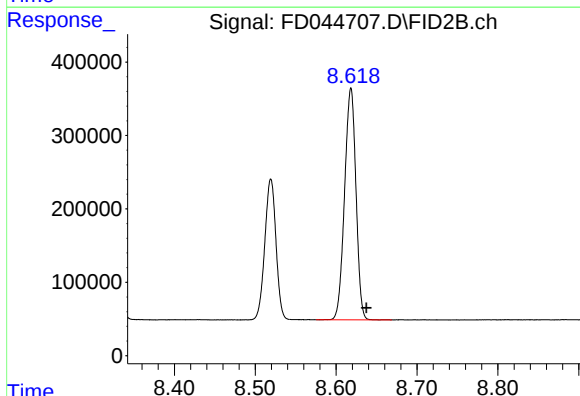
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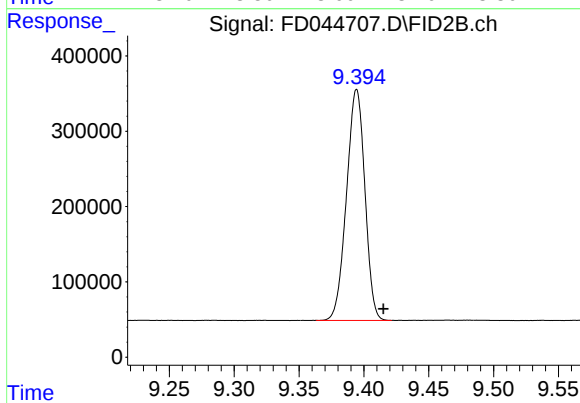
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.519 min
Delta R.T.: -0.020 min
Response: 1845724
Conc: 20.90 ug/ml



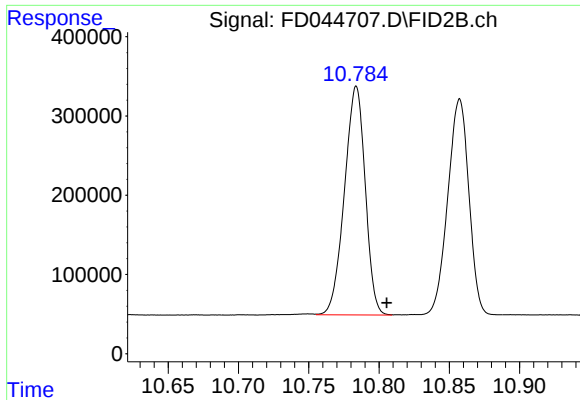
#7 Acenaphthene (C15.5)

R.T.: 8.618 min
Delta R.T.: -0.019 min
Response: 3084278
Conc: 21.02 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.394 min
Delta R.T.: -0.021 min
Response: 3030255
Conc: 21.02 ug/ml m



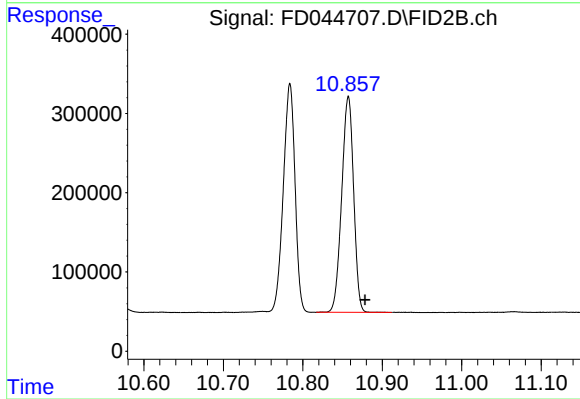
#9 Phenanthrene (C19.36)

R.T.: 10.784 min
Delta R.T.: -0.022 min
Response: 2963875
Conc: 20.78 ug/ml

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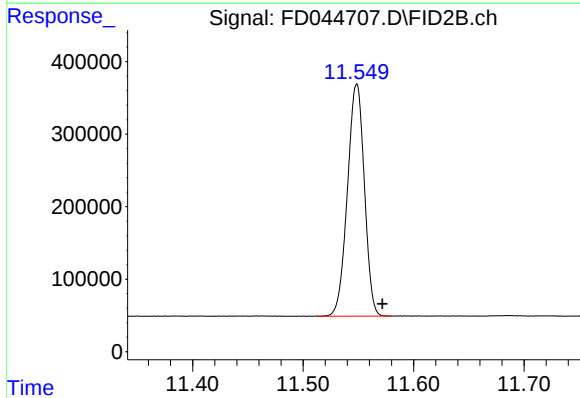
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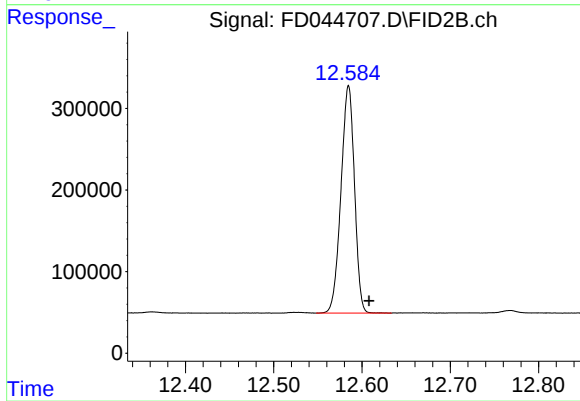
#10 Anthracene (C19.43)

R.T.: 10.857 min
Delta R.T.: -0.021 min
Response: 2844972
Conc: 20.48 ug/ml



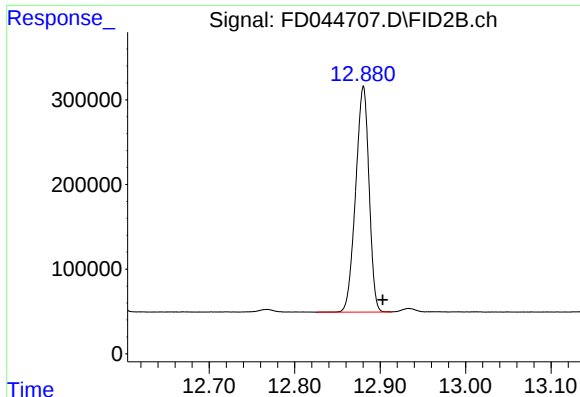
#11 ortho-Terphenyl (SURR)

R.T.: 11.548 min
Delta R.T.: -0.023 min
Response: 3409391
Conc: 20.95 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.585 min
Delta R.T.: -0.024 min
Response: 2962041
Conc: 20.78 ug/ml



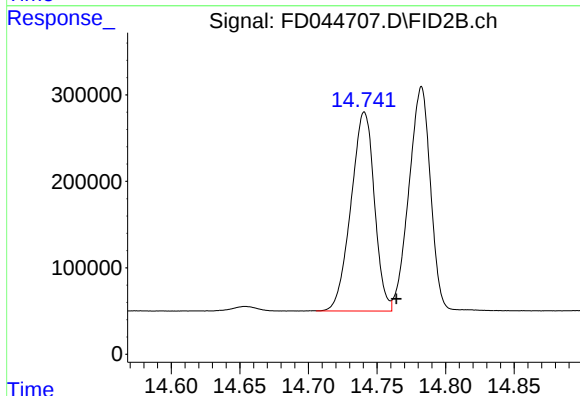
#13 Pyrene (C20.8)

R.T.: 12.880 min
Delta R.T.: -0.023 min
Response: 2905620
Conc: 20.88 ug/ml

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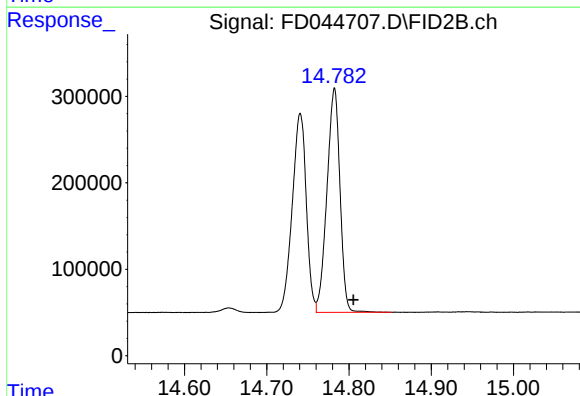
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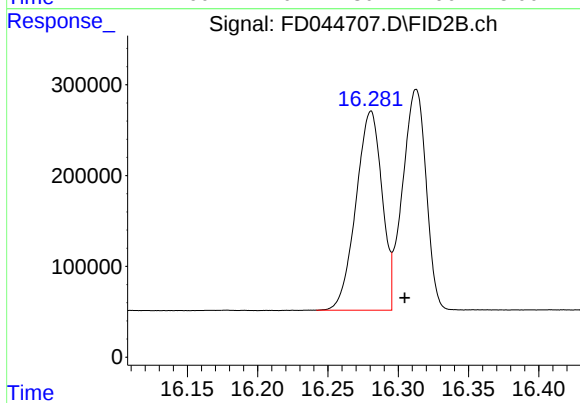
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.741 min
Delta R.T.: -0.024 min
Response: 2736352
Conc: 21.15 ug/ml m



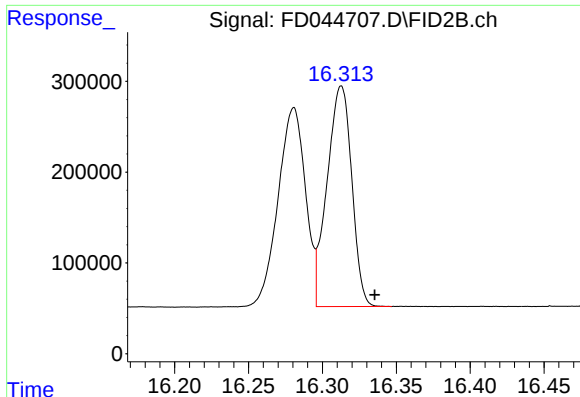
#15 Chrysene (C27.41)

R.T.: 14.782 min
Delta R.T.: -0.023 min
Response: 2857106
Conc: 21.19 ug/ml



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

R.T.: 16.281 min
Delta R.T.: -0.024 min
Response: 2833520
Conc: 21.53 ug/ml m



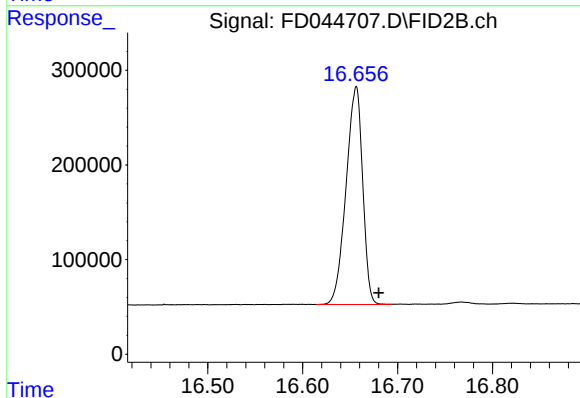
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.313 min
Delta R.T.: -0.023 min
Response: 2824527
Conc: 21.69 ug/ml

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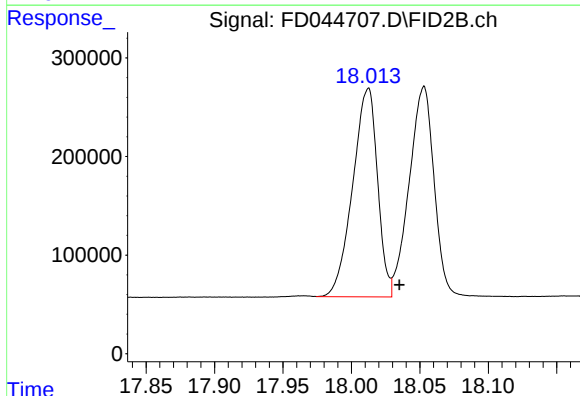
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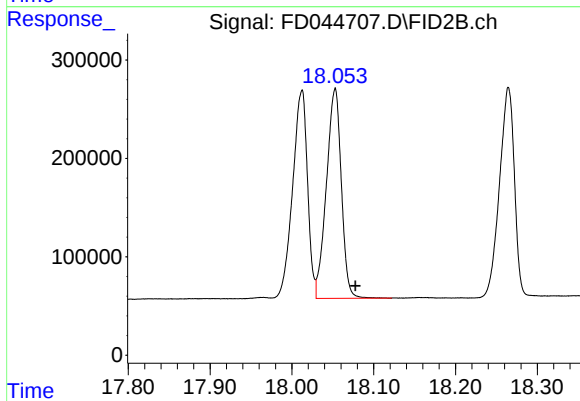
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.656 min
Delta R.T.: -0.024 min
Response: 2798739
Conc: 21.66 ug/ml m



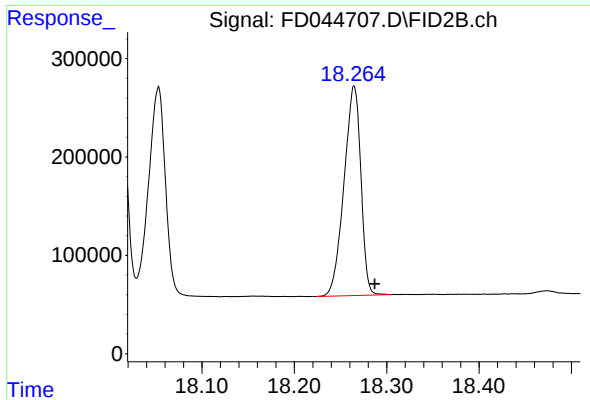
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.013 min
Delta R.T.: -0.022 min
Response: 2675072
Conc: 20.99 ug/ml m



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

R.T.: 18.053 min
Delta R.T.: -0.025 min
Response: 2706535
Conc: 21.51 ug/ml



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

R.T.: 18.264 min
Delta R.T.: -0.023 min
Response: 2702062
Conc: 21.01 ug/ml

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