

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG082825AR\
 Data File : FG016445.D
 Signal(s) : FID1A.ch
 Acq On : 28 Aug 2025 18:24
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/29/2025
 Supervised By :mohammad ahmed 08/30/2025

Integration File: autoint1.e
 Quant Time: Aug 29 05:05:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 082825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 04:51:23 2025
 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...	8.108	2056030	19.307 ug/ml
Spiked Amount 50.000		Recovery =	38.61%
6) S 2-Fluorobiphenyl (SURR)	8.993	1396504	19.317 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	38.63%
11) S ortho-Terphenyl (SURR)	12.075	2410703	19.114 ug/ml
Spiked Amount 50.000		Recovery =	38.23%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.694	2282076	19.142 ug/mlm
2) T Naphthalene (C11.7)	6.376	2398656	19.214 ug/mlm
3) T 2-Methylnaphthalene (...)	7.479	2396017	19.390 ug/ml
5) T Acenaphthylene (C15.06)	8.791	2380441	19.373 ug/ml
7) T Acenaphthene (C15.5)	9.092	2441886	19.086 ug/ml
8) T Flouorene (C16.55)	9.888	2349586	19.129 ug/ml
9) T Phenanthrene (C19.36)	11.305	2331478	19.246 ug/ml
10) T Anthracene (C19.43)	11.381	2312877	19.043 ug/ml
12) T Fluoranthene (C21.85)	13.141	2330322	19.154 ug/ml
13) T Pyrene (C20.8)	13.442	2294922	19.003 ug/ml
14) T Benzo[a]anthracene (C...	15.335	2166707	19.149 ug/ml
15) T Chrysene (C27.41)	15.378	2253797	18.932 ug/ml
16) T benzo[b]fluoranthene ...	16.906	2211415	19.203 ug/ml
17) T Bnezo[k]fluoranthene ...	16.937	2162133	19.050 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.290	2210081	19.123 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.670	1915464	18.515 ug/ml
20) T Dibenz[a,h]anthracene...	18.708	2413088	19.052 ug/ml
21) T Benzo[g,h,i]perylene ...	18.928	2246967	18.493 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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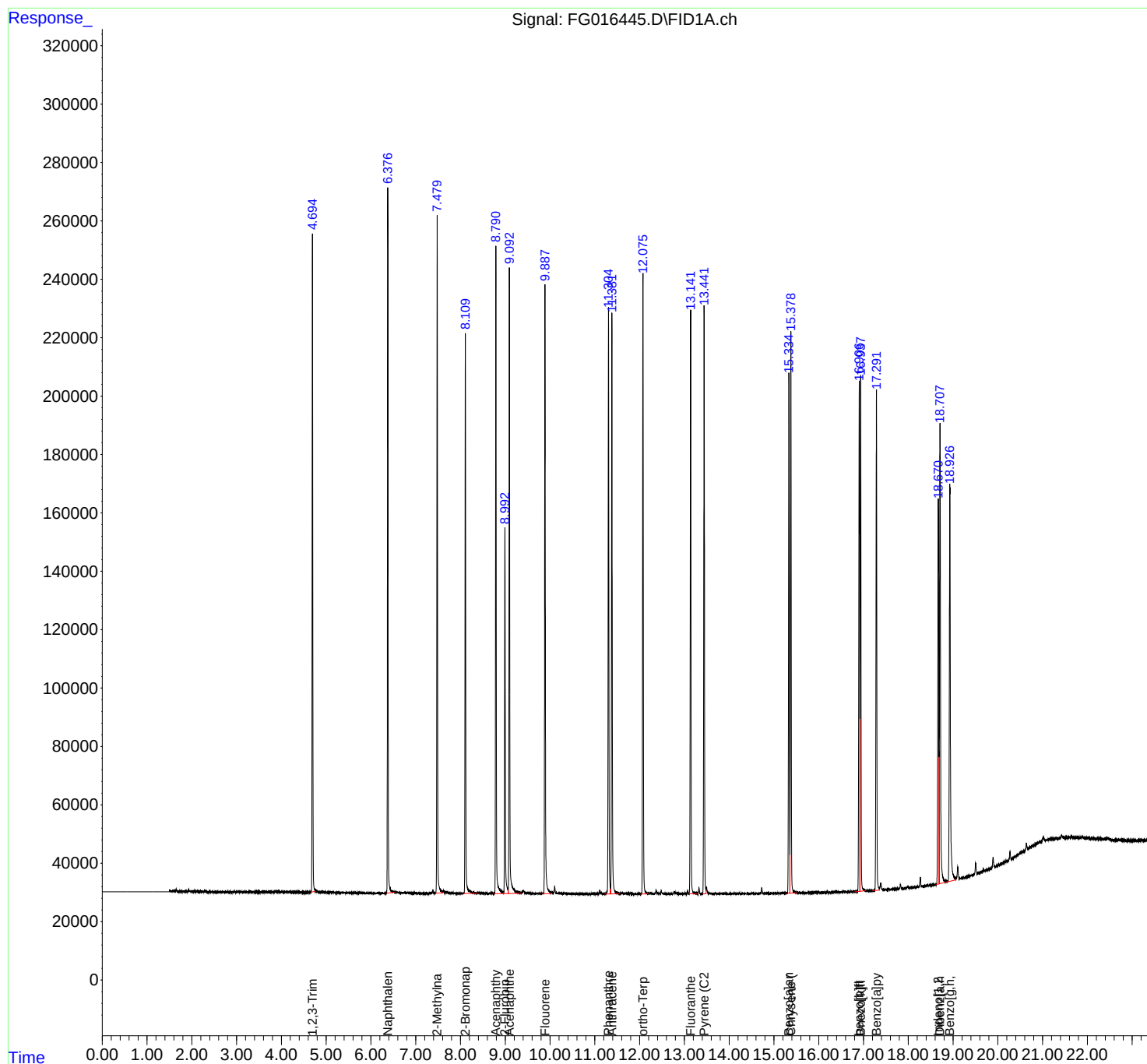
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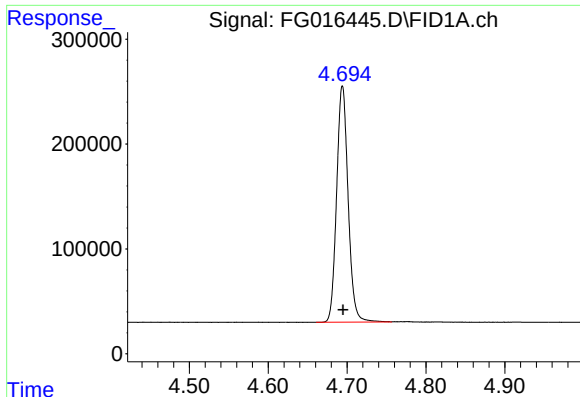
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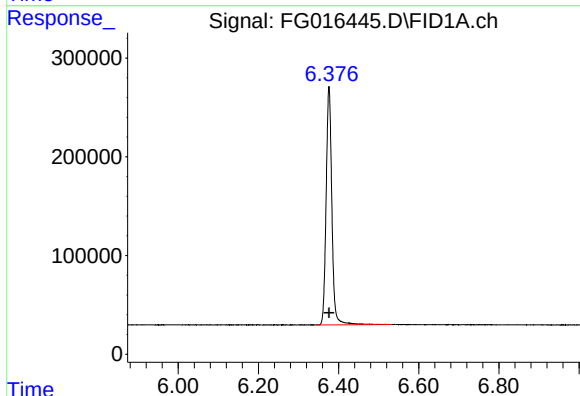
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.694 min
Delta R.T.: -0.001 min
Response: 2282076
Conc: 19.14 ug/ml

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20 PPM AROMATIC HC STD

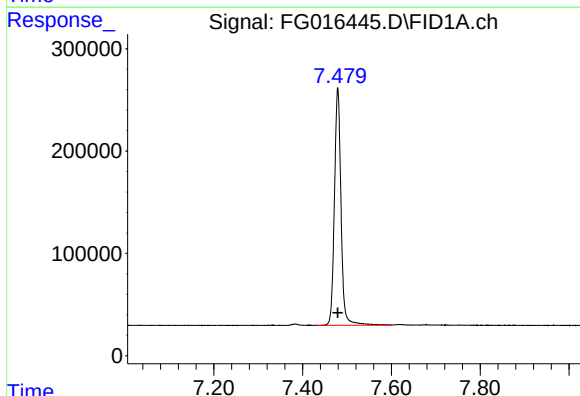
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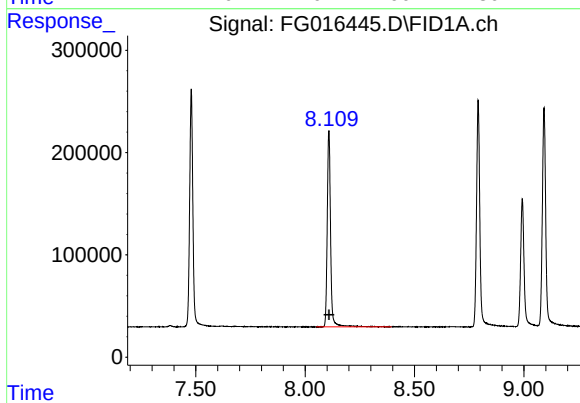
#2 Naphthalene (C11.7)

R.T.: 6.376 min
Delta R.T.: 0.000 min
Response: 2398656
Conc: 19.21 ug/ml m



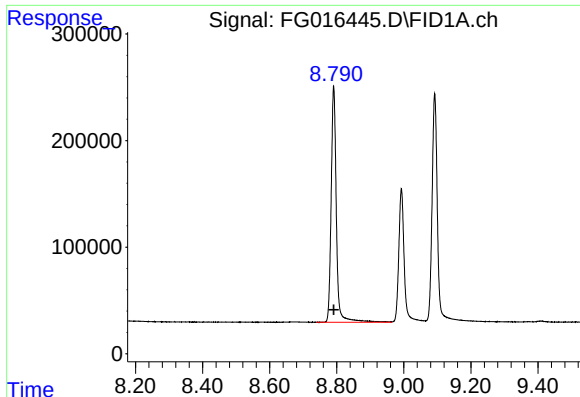
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.479 min
Delta R.T.: 0.000 min
Response: 2396017
Conc: 19.39 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 2056030
Conc: 19.31 ug/ml



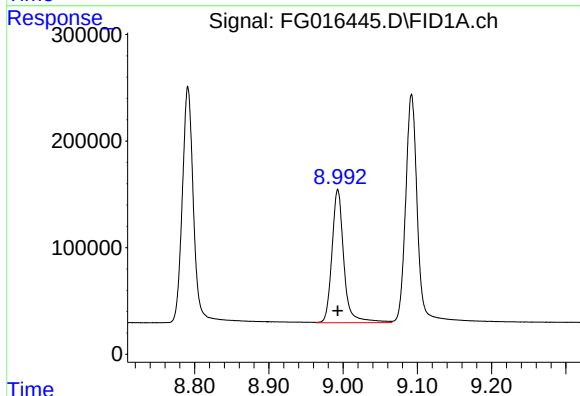
#5 Acenaphthylene (C15.06)

R.T.: 8.791 min
Delta R.T.: 0.000 min
Response: 2380441
Conc: 19.37 ug/ml

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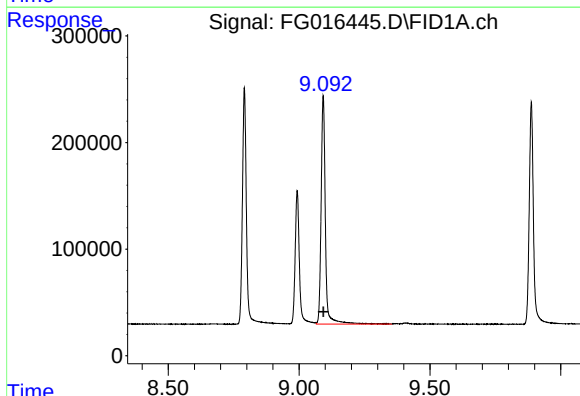
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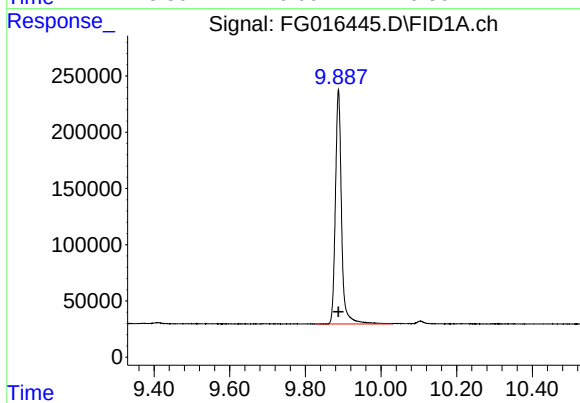
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.993 min
Delta R.T.: 0.000 min
Response: 1396504
Conc: 19.32 ug/ml



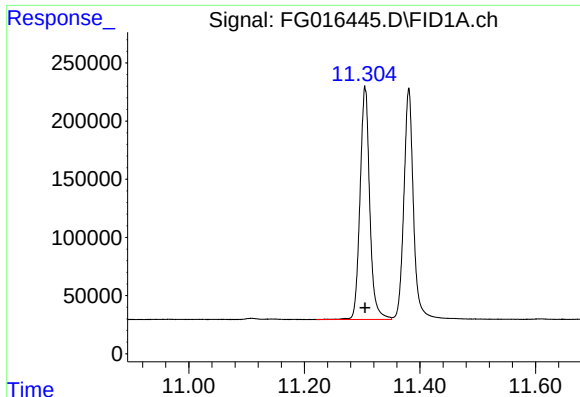
#7 Acenaphthene (C15.5)

R.T.: 9.092 min
Delta R.T.: 0.000 min
Response: 2441886
Conc: 19.09 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.888 min
Delta R.T.: 0.000 min
Response: 2349586
Conc: 19.13 ug/ml



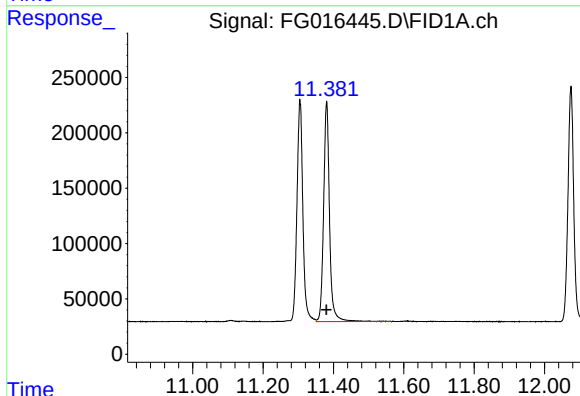
#9 Phenanthrene (C19.36)

R.T.: 11.305 min
Delta R.T.: 0.000 min
Response: 2331478
Conc: 19.25 ug/ml

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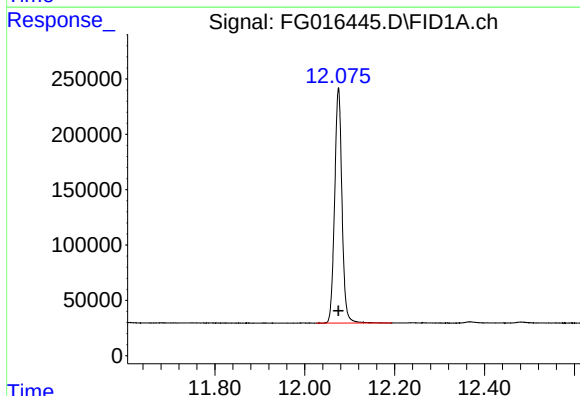
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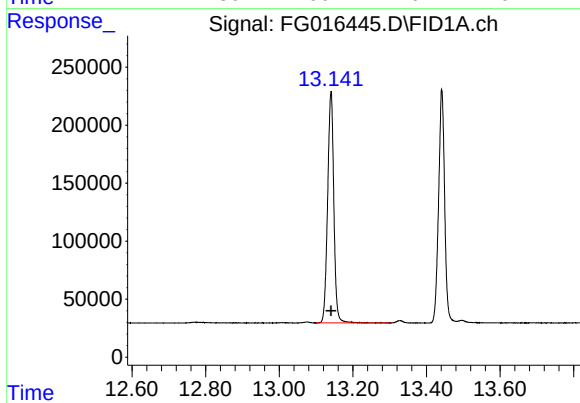
#10 Anthracene (C19.43)

R.T.: 11.381 min
Delta R.T.: 0.000 min
Response: 2312877
Conc: 19.04 ug/ml



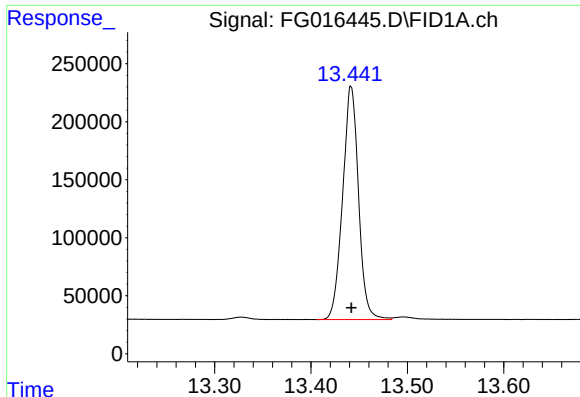
#11 ortho-Terphenyl (SURR)

R.T.: 12.075 min
Delta R.T.: 0.000 min
Response: 2410703
Conc: 19.11 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.141 min
Delta R.T.: 0.000 min
Response: 2330322
Conc: 19.15 ug/ml



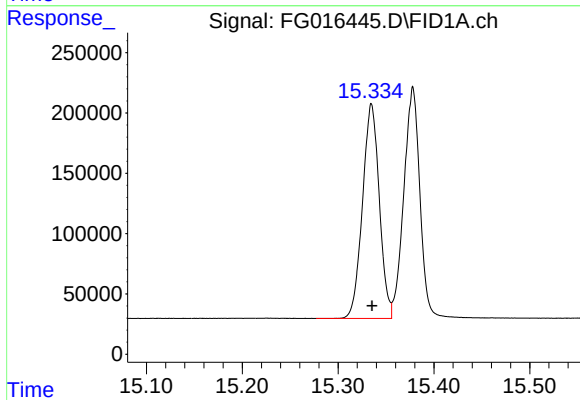
#13 Pyrene (C20.8)

R.T.: 13.442 min
Delta R.T.: 0.000 min
Response: 2294922
Conc: 19.00 ug/ml

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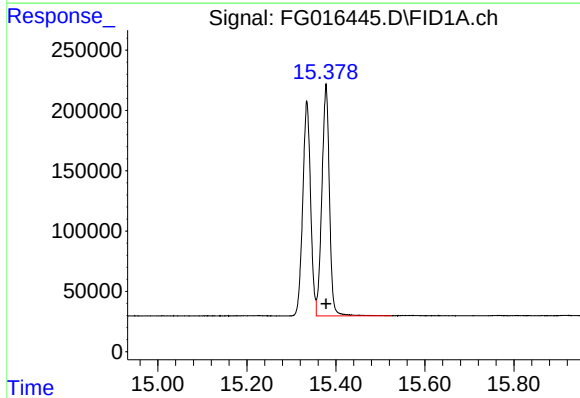
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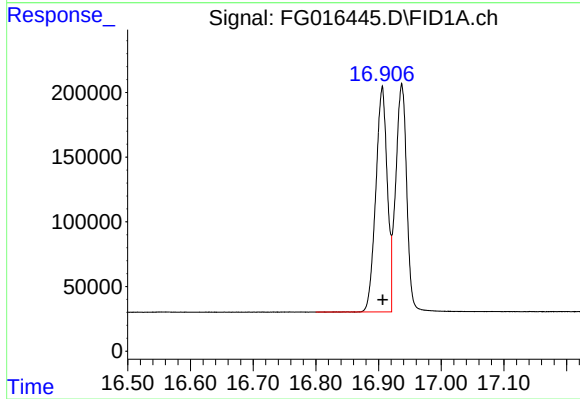
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.335 min
Delta R.T.: 0.000 min
Response: 2166707
Conc: 19.15 ug/ml



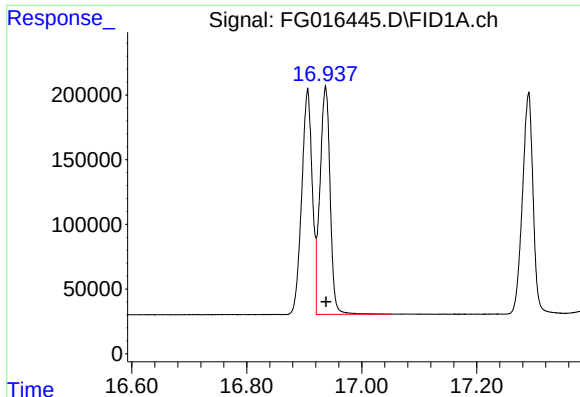
#15 Chrysene (C27.41)

R.T.: 15.378 min
Delta R.T.: 0.000 min
Response: 2253797
Conc: 18.93 ug/ml



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

R.T.: 16.906 min
Delta R.T.: -0.001 min
Response: 2211415
Conc: 19.20 ug/ml



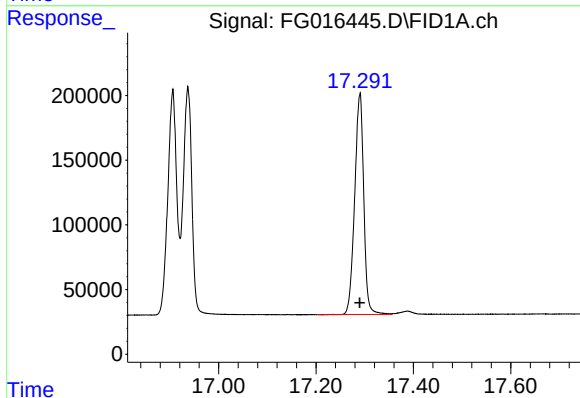
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.937 min
Delta R.T.: -0.001 min
Response: 2162133
Conc: 19.05 ug/ml

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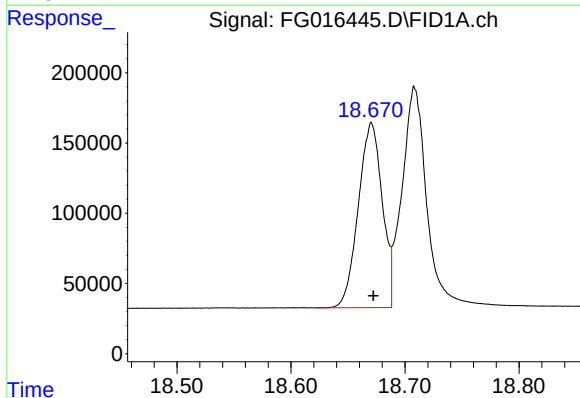
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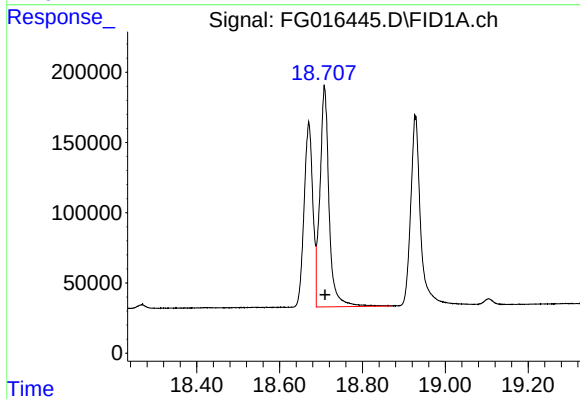
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.290 min
Delta R.T.: 0.000 min
Response: 2210081
Conc: 19.12 ug/ml



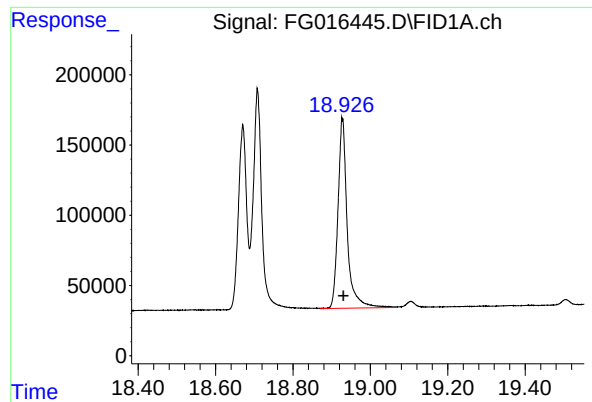
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.670 min
Delta R.T.: -0.002 min
Response: 1915464
Conc: 18.51 ug/ml



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

R.T.: 18.708 min
Delta R.T.: -0.001 min
Response: 2413088
Conc: 19.05 ug/ml



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

R.T.: 18.928 min
Delta R.T.: -0.003 min
Response: 2246967
Conc: 18.49 ug/ml

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