

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103024AR\
 Data File : FG014576.D
 Signal(s) : FID1A.ch
 Acq On : 30 Oct 2024 12:21
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/31/2024
 Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
 Quant Time: Oct 31 06:43:37 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 22 04:38:07 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...	8.014	2435627	19.402 ug/ml
Spiked Amount 50.000		Recovery =	38.80%
6) S 2-Fluorobiphenyl (SURR)	8.888	1662250	19.298 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	38.60%
11) S ortho-Terphenyl (SURR)	11.959	2785865	18.816 ug/ml
Spiked Amount 50.000		Recovery =	37.63%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.619	2702621	19.947 ug/ml
2) T Naphthalene (C11.7)	6.289	2840161	19.792 ug/ml
3) T 2-Methylnaphthalene (...)	7.386	2868660	19.642 ug/ml
5) T Acenaphthylene (C15.06)	8.689	2814418	19.330 ug/ml
7) T Acenaphthene (C15.5)	8.989	2806606	19.394 ug/ml
8) T Fluorene (C16.55)	9.779	2770170	19.121 ug/ml
9) T Phenanthrene (C19.36)	11.187	2774026	18.847 ug/ml
10) T Anthracene (C19.43)	11.261	2627119	18.734 ug/ml
12) T Fluoranthene (C21.85)	13.009	2731169	18.467 ug/ml
13) T Pyrene (C20.8)	13.308	2705497	18.403 ug/ml
14) T Benzo[a]anthracene (C...	15.188	2572906	17.766 ug/mlm
15) T Chrysene (C27.41)	15.231	2601164	17.733 ug/ml
16) T benzo[b]fluoranthene ...	16.744	2569205	17.468 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.777	2408948	17.456 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.125	2499126	17.524 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.493	2305040	17.270 ug/mlm
20) T Dibenz[a,h]anthracene...	18.535	2412893	17.290 ug/ml
21) T Benzo[g,h,i]perylene ...	18.751	2440789	17.543 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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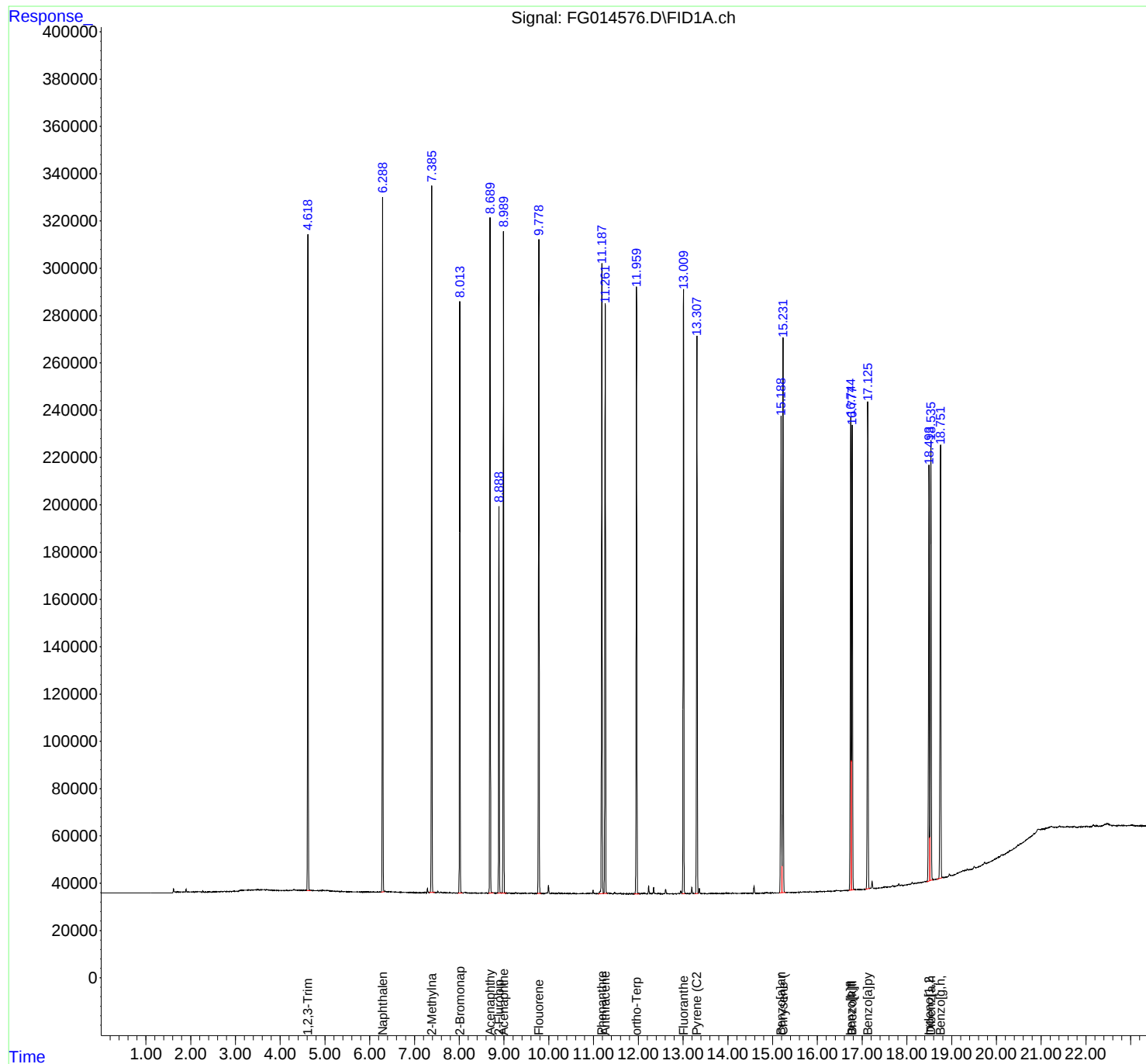
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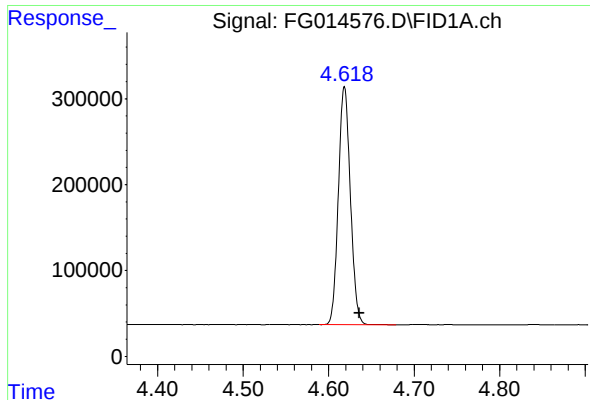
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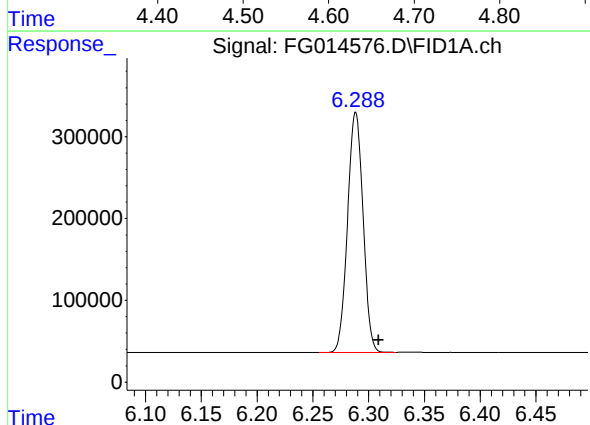
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.619 min
Delta R.T.: -0.017 min
Response: 2702621
Conc: 19.95 ug/ml

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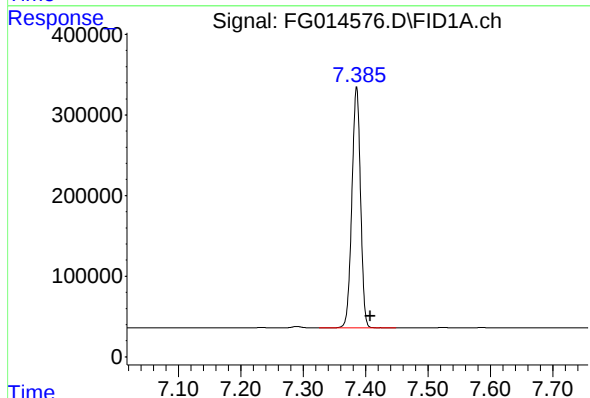
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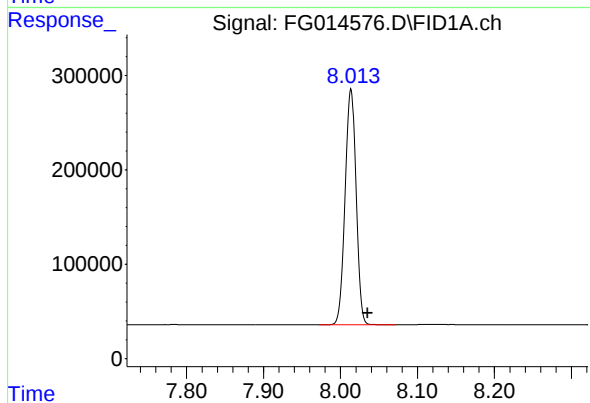
#2 Naphthalene (C11.7)

R.T.: 6.289 min
Delta R.T.: -0.020 min
Response: 2840161
Conc: 19.79 ug/ml



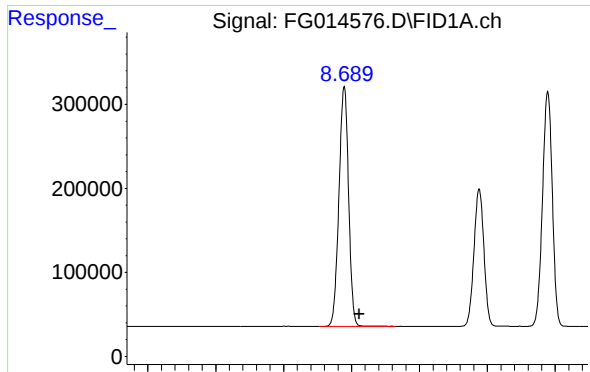
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.386 min
Delta R.T.: -0.022 min
Response: 2868660
Conc: 19.64 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.014 min
Delta R.T.: -0.022 min
Response: 2435627
Conc: 19.40 ug/ml



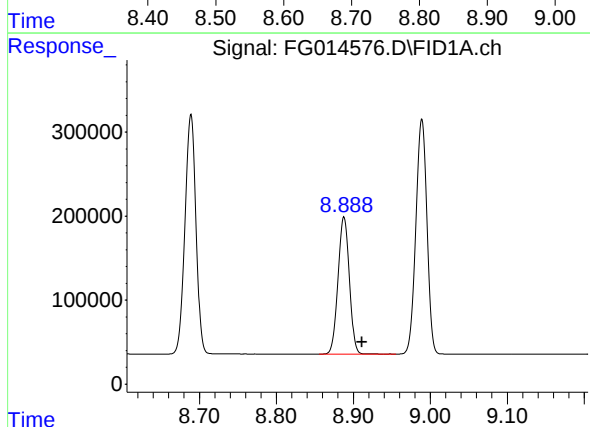
#5 Acenaphthylene (C15.06)

R.T.: 8.689 min
Delta R.T.: -0.023 min
Response: 2814418
Conc: 19.33 ug/ml

Instrument :
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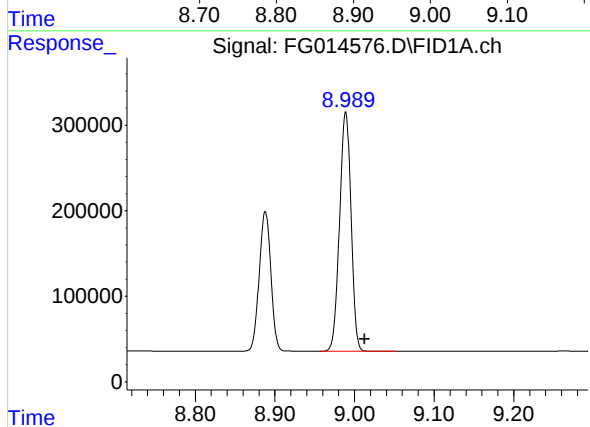
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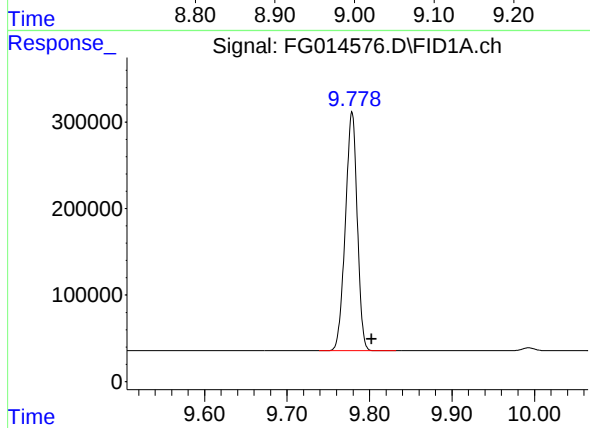
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.888 min
Delta R.T.: -0.023 min
Response: 1662250
Conc: 19.30 ug/ml



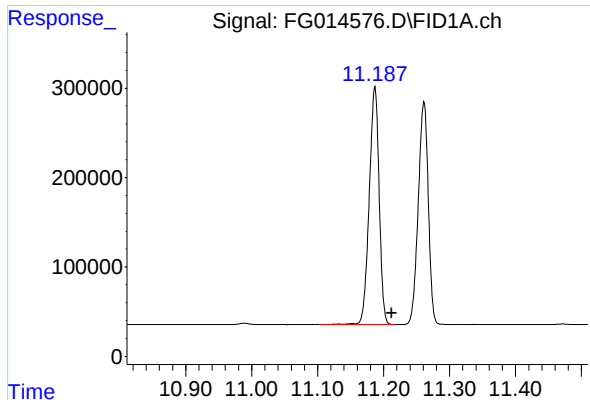
#7 Acenaphthene (C15.5)

R.T.: 8.989 min
Delta R.T.: -0.024 min
Response: 2806606
Conc: 19.39 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.779 min
Delta R.T.: -0.024 min
Response: 2770170
Conc: 19.12 ug/ml



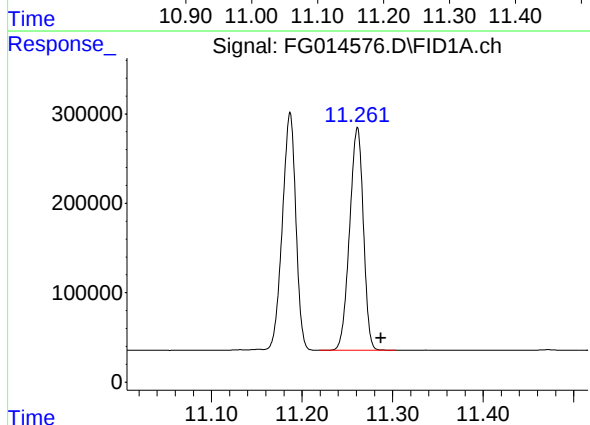
#9 Phenanthrene (C19.36)

R.T.: 11.187 min
Delta R.T.: -0.026 min
Response: 2774026
Conc: 18.85 ug/ml

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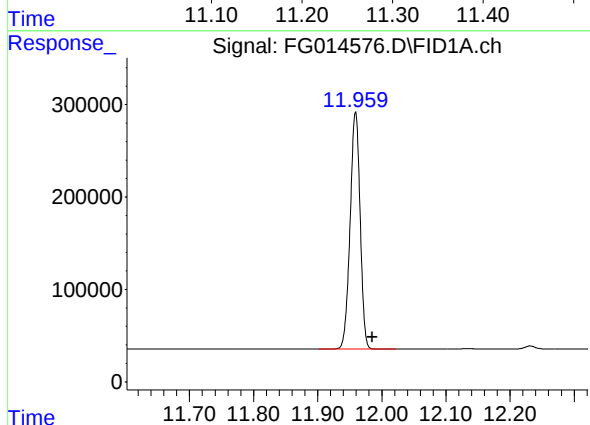
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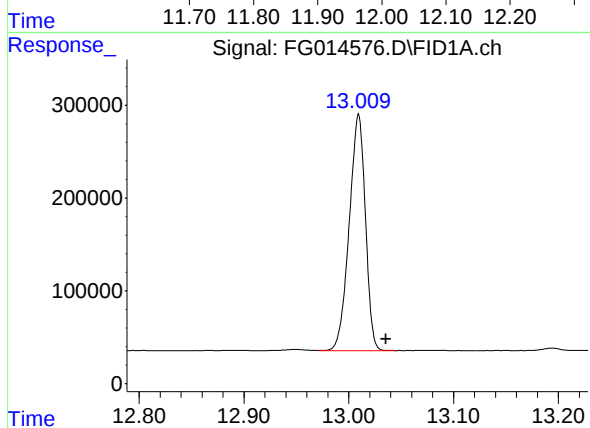
#10 Anthracene (C19.43)

R.T.: 11.261 min
Delta R.T.: -0.026 min
Response: 2627119
Conc: 18.73 ug/ml



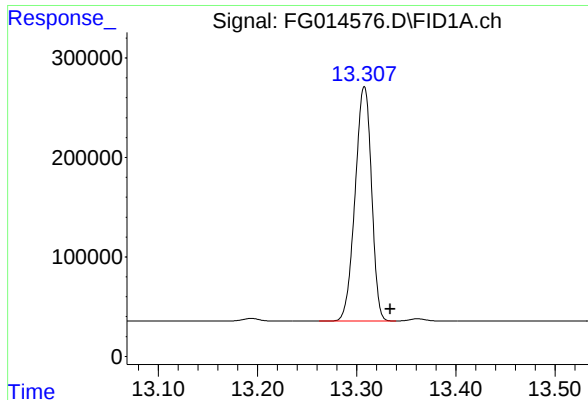
#11 ortho-Terphenyl (SURRE)

R.T.: 11.959 min
Delta R.T.: -0.026 min
Response: 2785865
Conc: 18.82 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.009 min
Delta R.T.: -0.026 min
Response: 2731169
Conc: 18.47 ug/ml



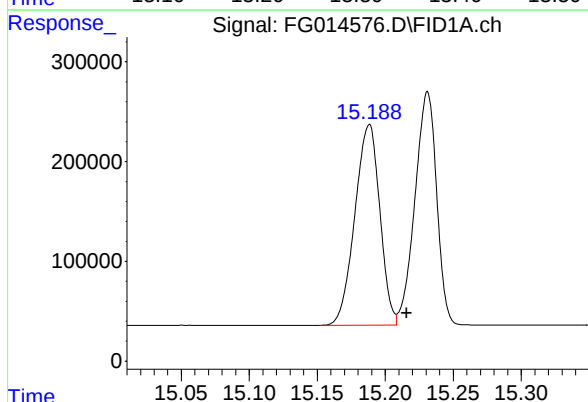
#13 Pyrene (C20.8)

R.T.: 13.308 min
Delta R.T.: -0.026 min
Response: 2705497
Conc: 18.40 ug/ml

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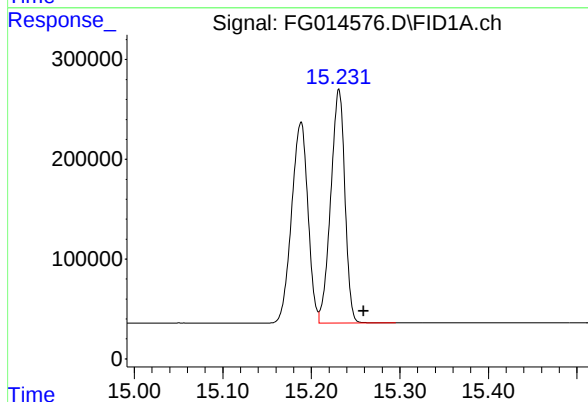
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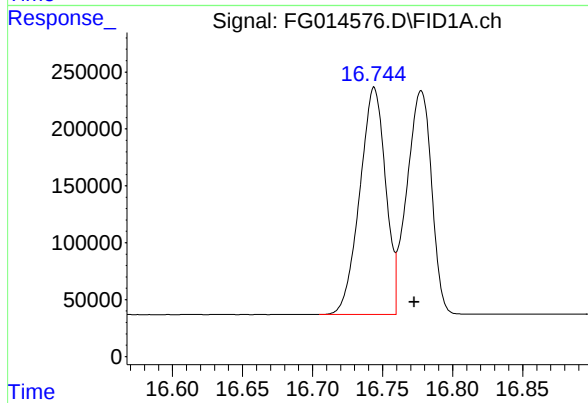
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.188 min
Delta R.T.: -0.028 min
Response: 2572906
Conc: 17.77 ug/ml m



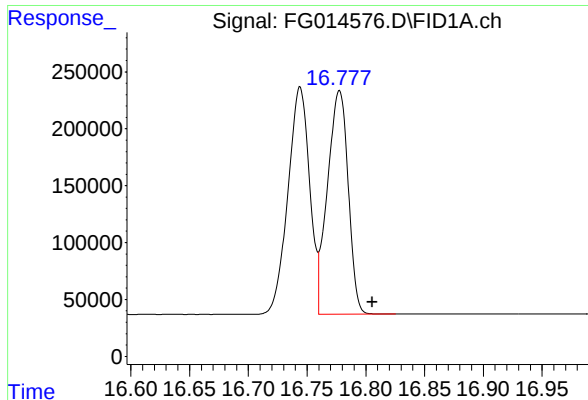
#15 Chrysene (C27.41)

R.T.: 15.231 min
Delta R.T.: -0.028 min
Response: 2601164
Conc: 17.73 ug/ml



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

R.T.: 16.744 min
Delta R.T.: -0.029 min
Response: 2569205
Conc: 17.47 ug/ml m



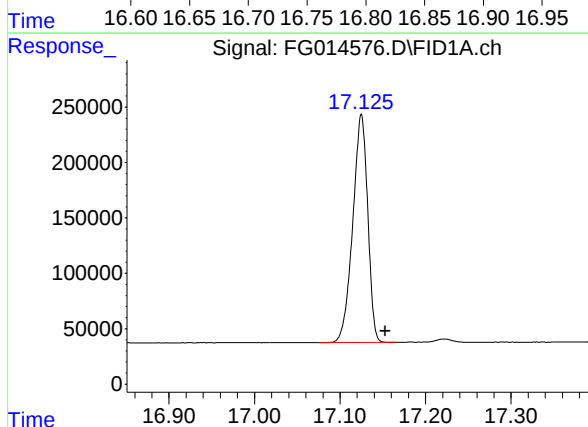
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.777 min
Delta R.T.: -0.028 min
Response: 2408948
Conc: 17.46 ug/ml

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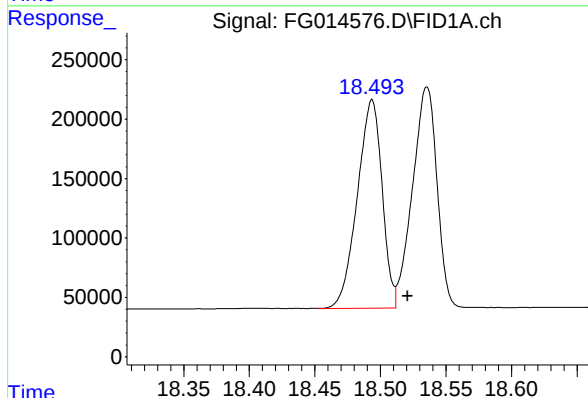
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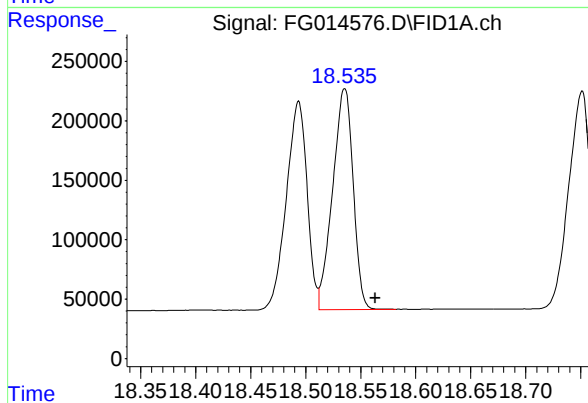
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.125 min
Delta R.T.: -0.028 min
Response: 2499126
Conc: 17.52 ug/ml



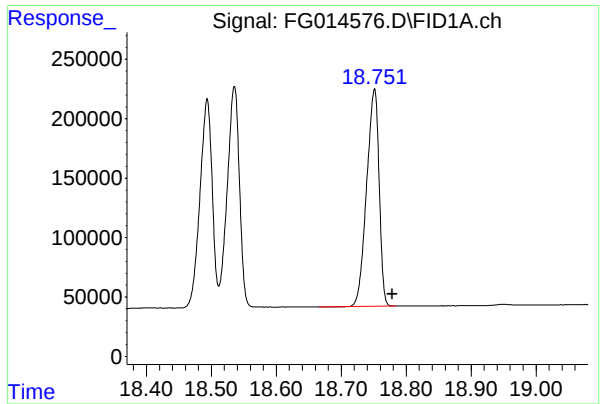
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.493 min
Delta R.T.: -0.028 min
Response: 2305040
Conc: 17.27 ug/ml m



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

R.T.: 18.535 min
Delta R.T.: -0.028 min
Response: 2412893
Conc: 17.29 ug/ml



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

R.T.: 18.751 min
Delta R.T.: -0.028 min
Response: 2440789
Conc: 17.54 ug/ml

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