

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AR\
 Data File : FG015204.D
 Signal(s) : FID1A.ch
 Acq On : 29 Jan 2025 03:44
 Operator : YP\AJ
 Sample : Q1168-02
 Misc : 5 PPM SOIL LOQ
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/29/2025
 Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e
 Quant Time: Jan 29 06:14:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
 Quant Title : GC Extractables
 QLast Update : Wed Jan 15 07:05:42 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...	7.983	6940859	52.582 ug/ml
Spiked Amount 50.000		Recovery =	105.16%
6) S 2-Fluorobiphenyl (SURR)	8.860	4517830	53.524 ug/ml
Spiked Amount 50.000 Range 0 - 130		Recovery =	107.05%
11) S ortho-Terphenyl (SURR)	11.939	6568717	38.158 ug/ml
Spiked Amount 50.000		Recovery =	76.32%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.573	536793	3.347 ug/ml
2) T Naphthalene (C11.7)	6.250	615290	3.838 ug/ml
3) T 2-Methylnaphthalene (...)	7.350	631522	3.971 ug/mlm
5) T Acenaphthylene (C15.06)	8.656	648481	4.081 ug/ml
7) T Acenaphthene (C15.5)	8.957	629347	3.860 ug/ml
8) T Fluorene (C16.55)	9.748	631454	4.010 ug/ml
9) T Phenanthrene (C19.36)	11.158	638797	4.001 ug/ml
10) T Anthracene (C19.43)	11.234	632350	4.283 ug/ml
12) T Fluoranthene (C21.85)	12.985	639412	3.865 ug/ml
13) T Pyrene (C20.8)	13.284	650658	4.017 ug/ml
14) T Benzo[a]anthracene (C...	15.168	569384	3.817 ug/ml
15) T Chrysene (C27.41)	15.209	618938	3.985 ug/mlm
16) T benzo[b]fluoranthene ...	16.728	602345	4.070 ug/ml
17) T Bnezo[k]fluoranthene ...	16.759	617462	4.367 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.110	582364	4.099 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.482	629011	4.992 ug/mlm
20) T Dibenz[a,h]anthracene...	18.523	644775	4.358 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.736	579494	4.293 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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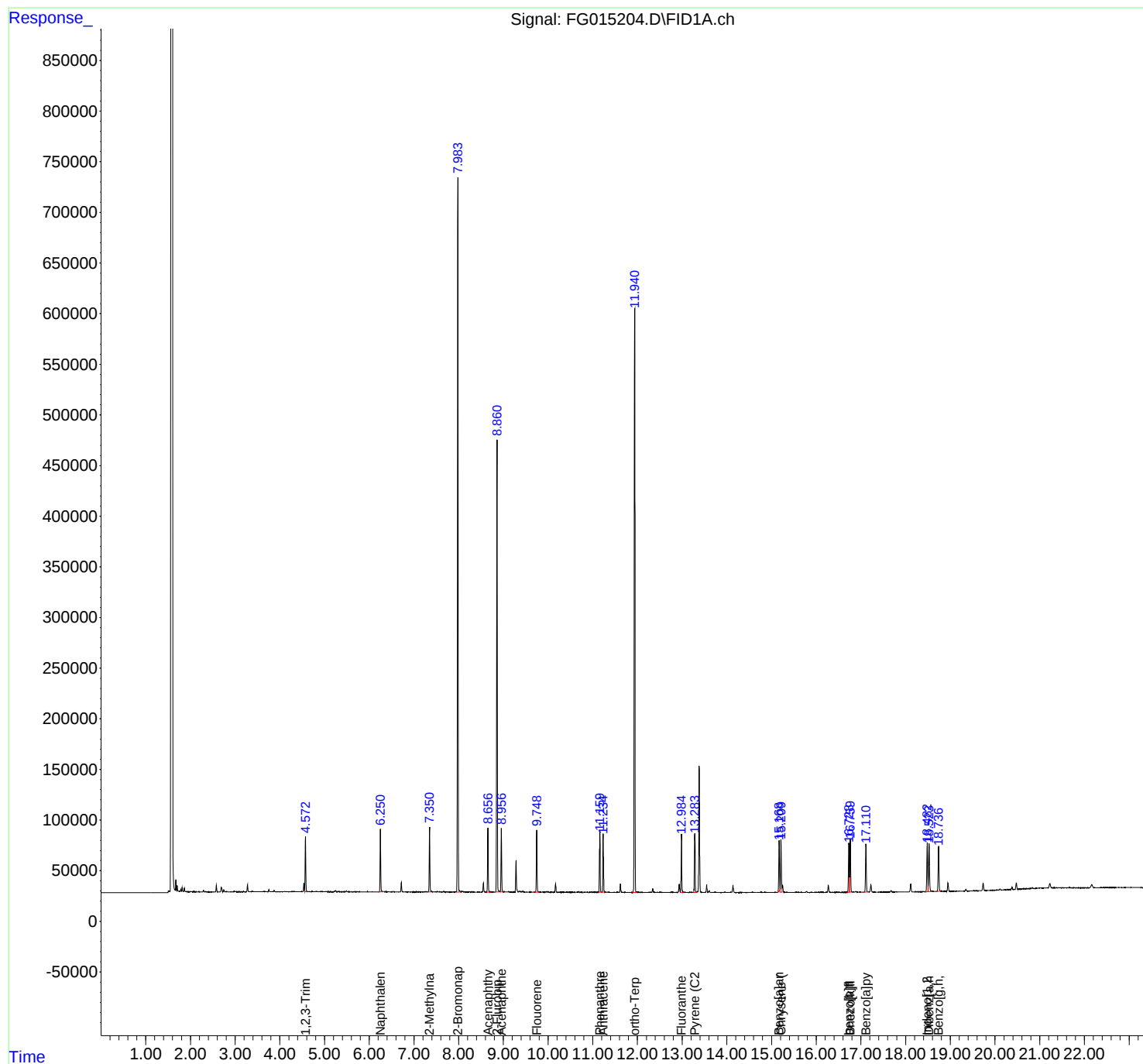
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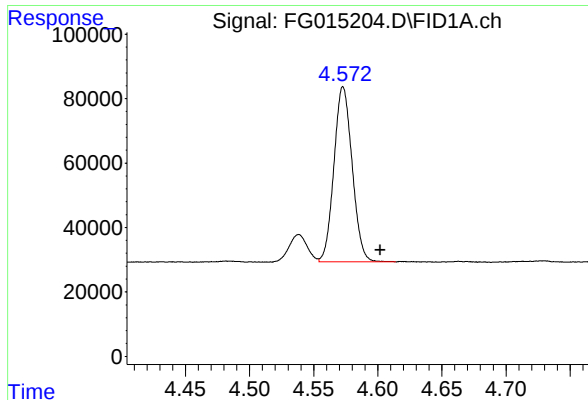
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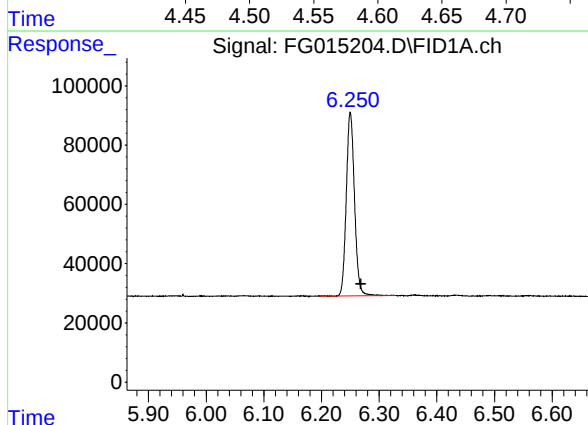
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.573 min
Delta R.T.: -0.029 min
Response: 536793
Conc: 3.35 ug/ml

Instrument : FID_G
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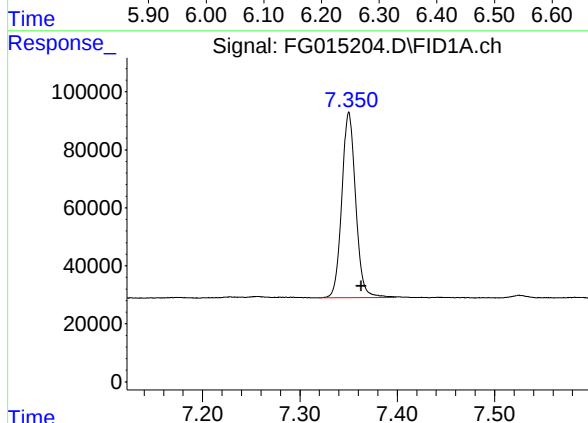
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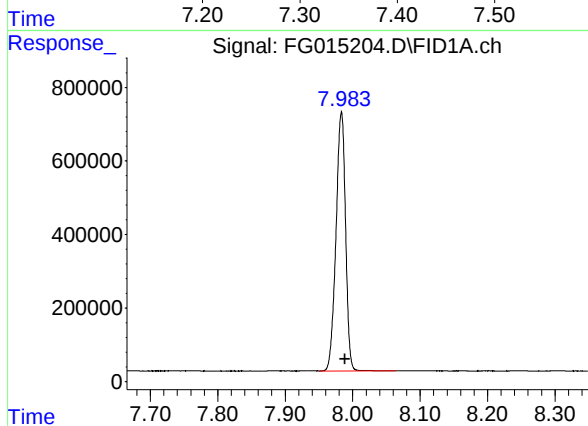
#2 Naphthalene (C11.7)

R.T.: 6.250 min
Delta R.T.: -0.019 min
Response: 615290
Conc: 3.84 ug/ml



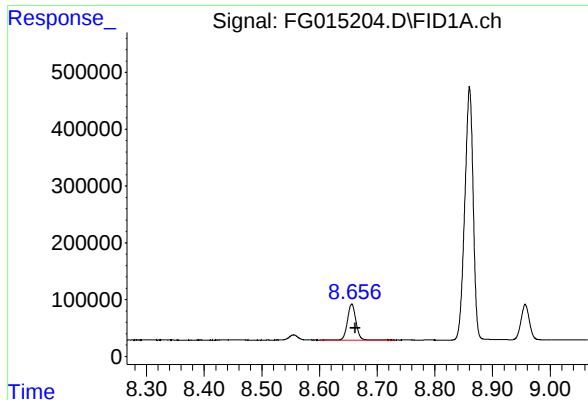
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.350 min
Delta R.T.: -0.013 min
Response: 631522
Conc: 3.97 ug/ml m



#4 2-Bromonaphthalene (SURR)

R.T.: 7.983 min
Delta R.T.: -0.006 min
Response: 6940859
Conc: 52.58 ug/ml



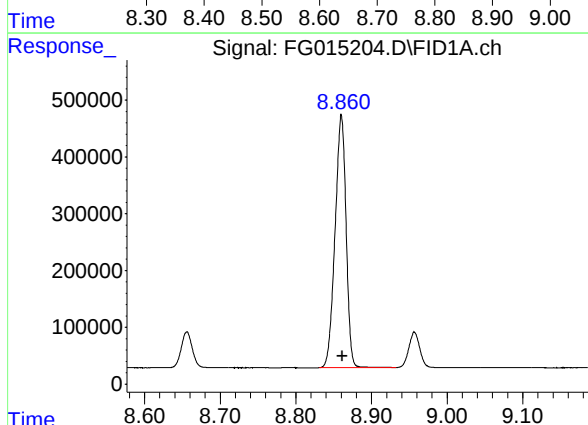
#5 Acenaphthylene (C15.06)

R.T.: 8.656 min
Delta R.T.: -0.006 min
Response: 648481
Conc: 4.08 ug/ml

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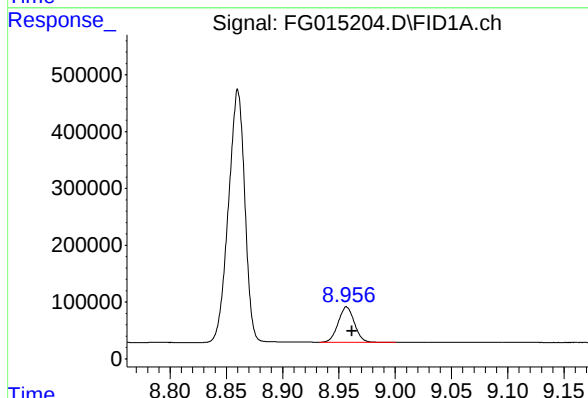
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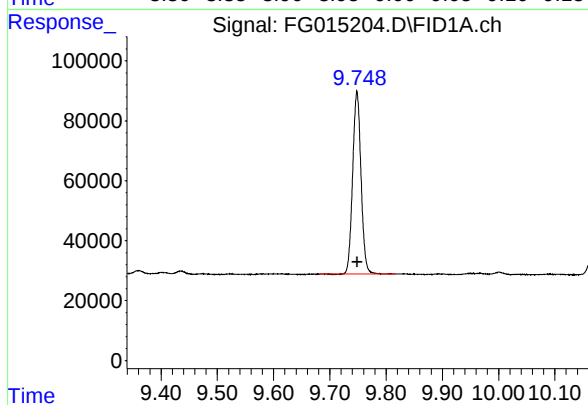
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.860 min
Delta R.T.: -0.001 min
Response: 4517830
Conc: 53.52 ug/ml



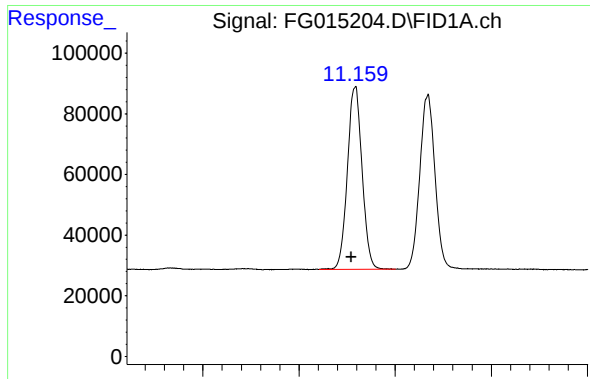
#7 Acenaphthene (C15.5)

R.T.: 8.957 min
Delta R.T.: -0.005 min
Response: 629347
Conc: 3.86 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.748 min
Delta R.T.: 0.000 min
Response: 631454
Conc: 4.01 ug/ml



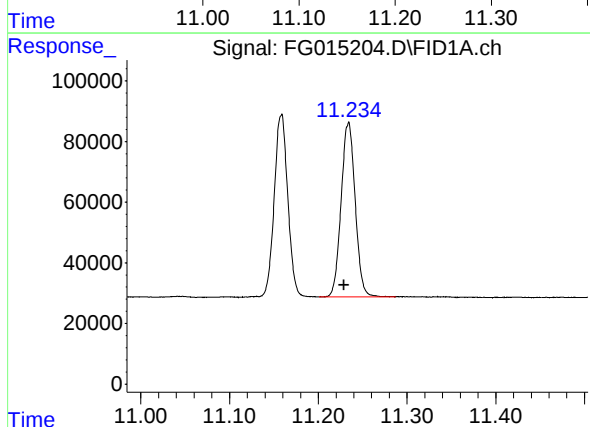
#9 Phenanthrene (C19.36)

R.T.: 11.158 min
Delta R.T.: 0.004 min
Response: 638797
Conc: 4.00 ug/ml

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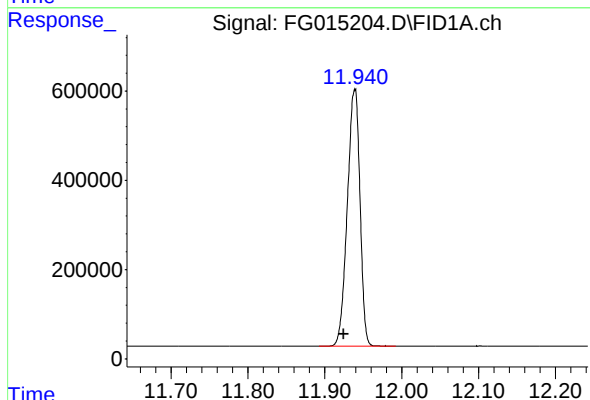
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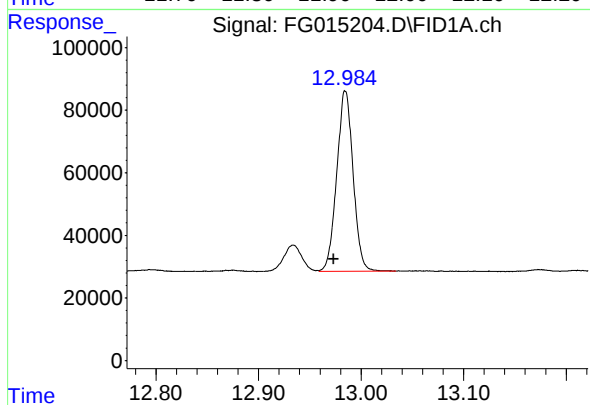
#10 Anthracene (C19.43)

R.T.: 11.234 min
Delta R.T.: 0.005 min
Response: 632350
Conc: 4.28 ug/ml



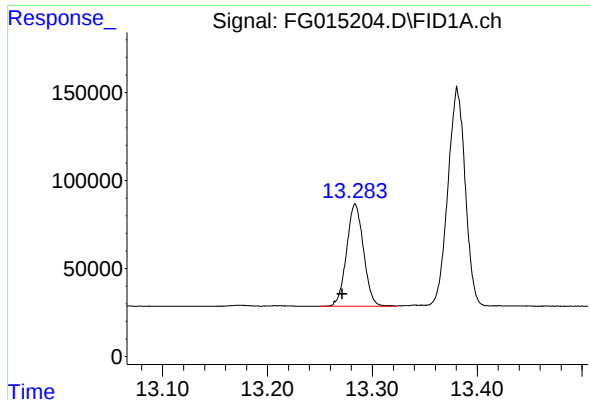
#11 ortho-Terphenyl (SURRE)

R.T.: 11.939 min
Delta R.T.: 0.014 min
Response: 6568717
Conc: 38.16 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.985 min
Delta R.T.: 0.011 min
Response: 639412
Conc: 3.87 ug/ml



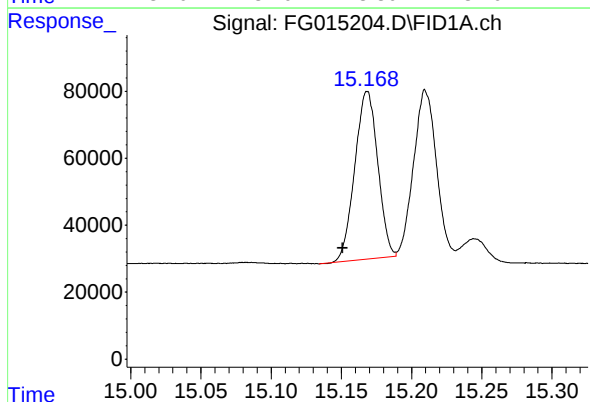
#13 Pyrene (C20.8)

R.T.: 13.284 min
Delta R.T.: 0.012 min
Response: 650658
Conc: 4.02 ug/ml

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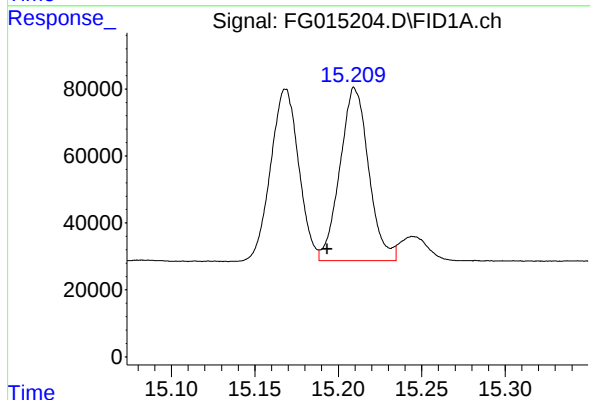
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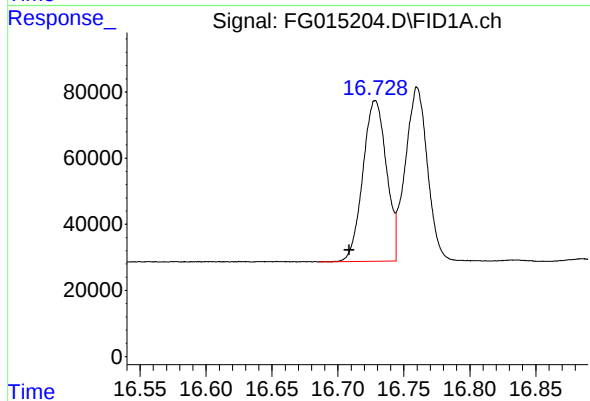
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.168 min
Delta R.T.: 0.017 min
Response: 569384
Conc: 3.82 ug/ml



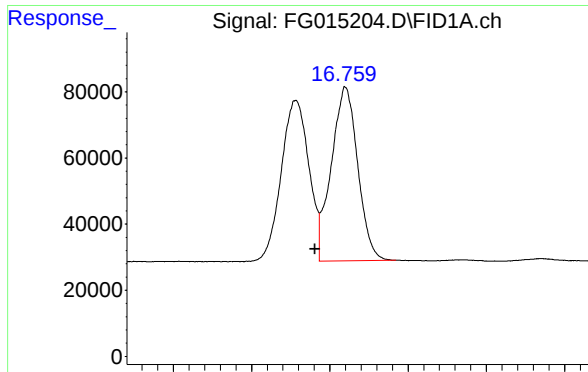
#15 Chrysene (C27.41)

R.T.: 15.209 min
Delta R.T.: 0.015 min
Response: 618938
Conc: 3.98 ug/ml m



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

R.T.: 16.728 min
Delta R.T.: 0.020 min
Response: 602345
Conc: 4.07 ug/ml



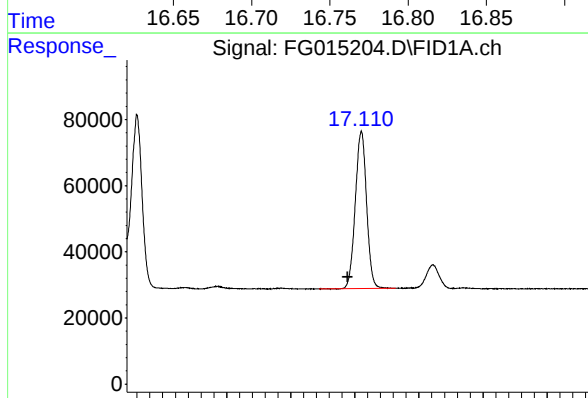
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.759 min
Delta R.T.: 0.019 min
Response: 617462
Conc: 4.37 ug/ml

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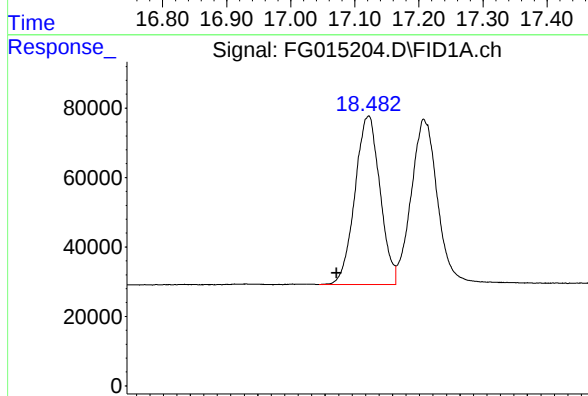
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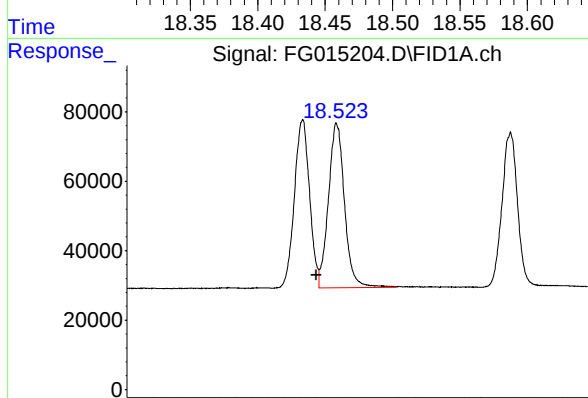
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.110 min
Delta R.T.: 0.021 min
Response: 582364
Conc: 4.10 ug/ml



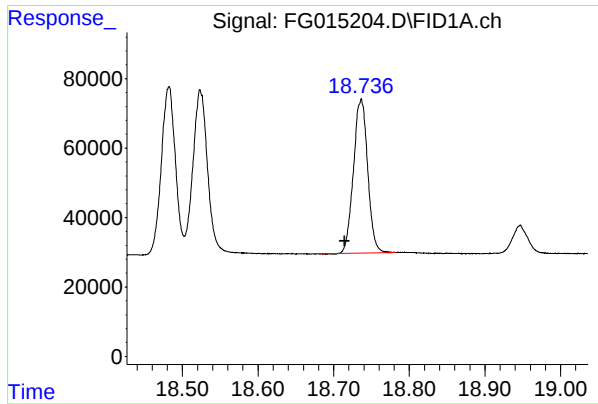
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.482 min
Delta R.T.: 0.024 min
Response: 629011
Conc: 4.99 ug/ml m



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

R.T.: 18.523 min
Delta R.T.: 0.024 min
Response: 644775
Conc: 4.36 ug/ml m



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

R.T.: 18.736 min
Delta R.T.: 0.022 min
Response: 579494
Conc: 4.29 ug/ml

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