

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102224AR\
 Data File : FG014489.D
 Signal(s) : FID1A.ch
 Acq On : 22 Oct 2024 13:20
 Operator : YP\AJ
 Sample : P4368-08
 Misc : 5 PPM WATER LOQ
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 LOQ-WATER-02-QT4-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/23/2024
 Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e
 Quant Time: Oct 23 02:43:21 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...	8.034	7133917	56.828 ug/ml
Spiked Amount 50.000		Recovery =	113.66%
6) S 2-Fluorobiphenyl (SURR)	8.910	4475383	51.958 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	103.92%
11) S ortho-Terphenyl (SURR)	11.981	7145781	48.263 ug/ml
Spiked Amount 50.000		Recovery =	96.53%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.636	563767	4.161 ug/ml
2) T Naphthalene (C11.7)	6.307	661535	4.610 ug/ml
3) T 2-Methylnaphthalene (...)	7.403	676566	4.633 ug/ml
5) T Acenaphthylene (C15.06)	8.707	678113	4.658 ug/mlm
7) T Acenaphthene (C15.5)	9.007	665283	4.597 ug/ml
8) T Flouorene (C16.55)	9.796	684113	4.722 ug/ml
9) T Phenanthrene (C19.36)	11.203	706026	4.797 ug/ml
10) T Anthracene (C19.43)	11.278	705293	5.030 ug/ml
12) T Fluoranthene (C21.85)	13.025	737404	4.986 ug/ml
13) T Pyrene (C20.8)	13.323	747929	5.087 ug/mlm
14) T Benzo[a]anthracene (C...	15.203	773320	5.340 ug/ml
15) T Chrysene (C27.41)	15.243	832157	5.673 ug/mlm
16) T benzo[b]fluoranthene ...	16.757	763130	5.189 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.788	929677	6.737 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.137	695968	4.880 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.504	708525	5.308 ug/ml
20) T Dibenz[a,h]anthracene...	18.547	1002485	7.184 ug/ml
21) T Benzo[g,h,i]perylene ...	18.758	642506	4.618 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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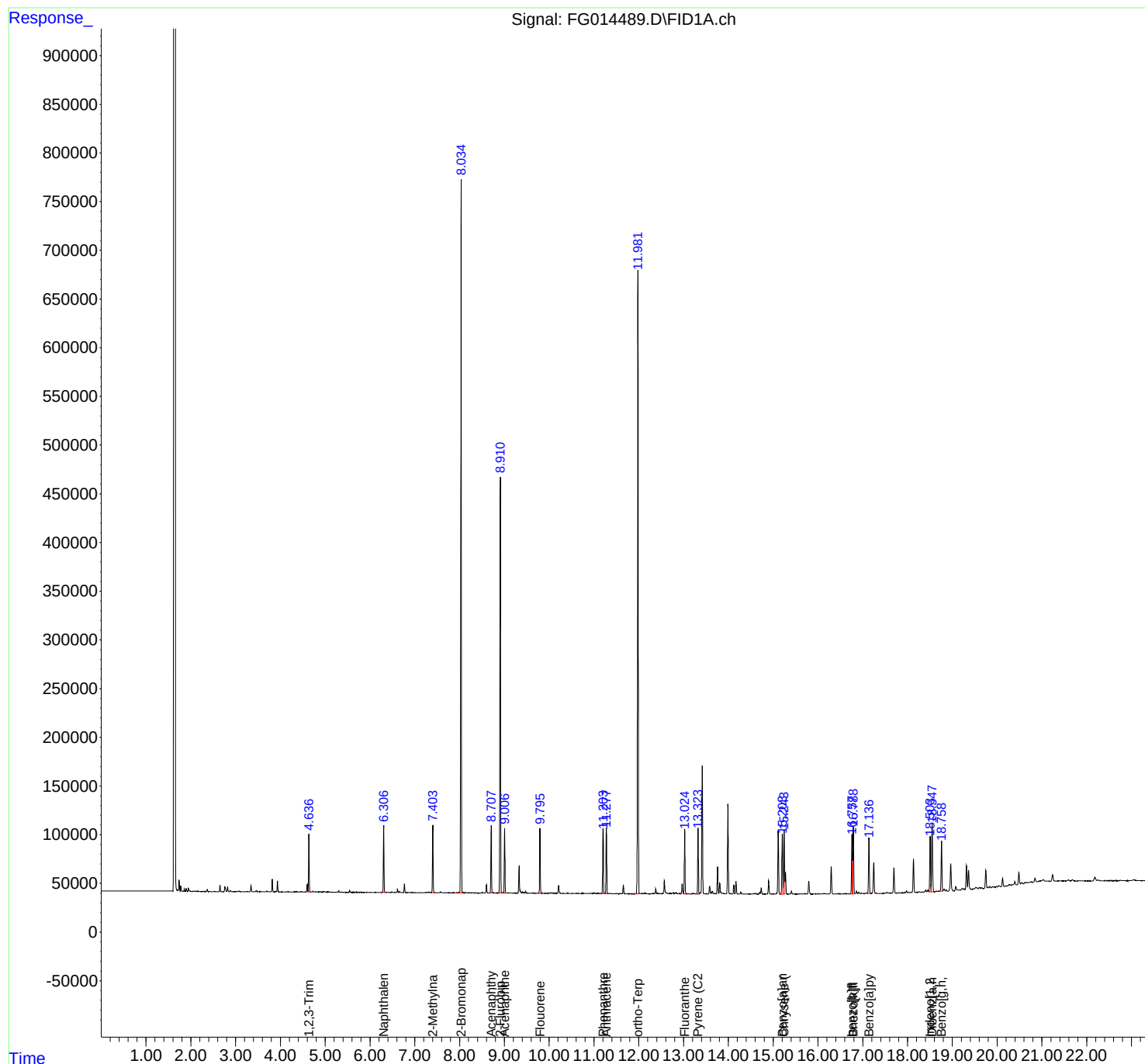
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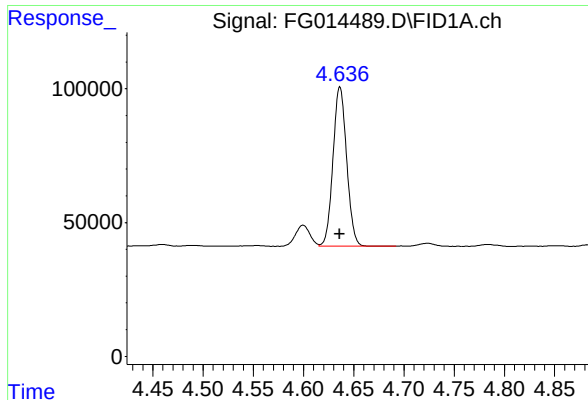
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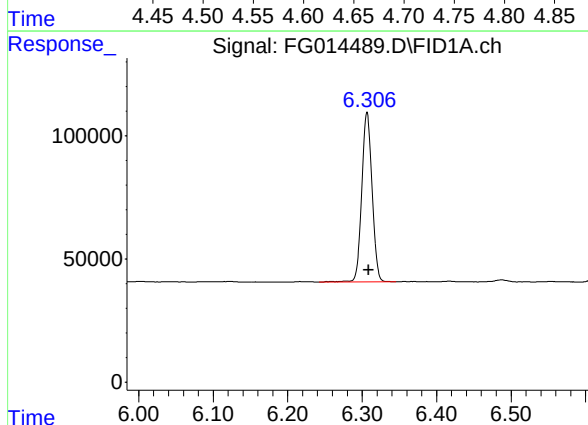
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.636 min
Delta R.T.: 0.000 min
Response: 563767
Conc: 4.16 ug/ml

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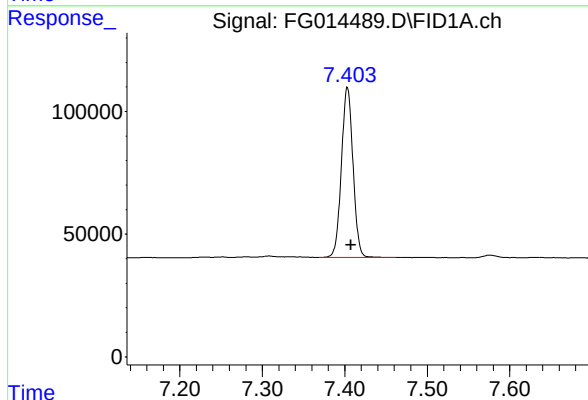
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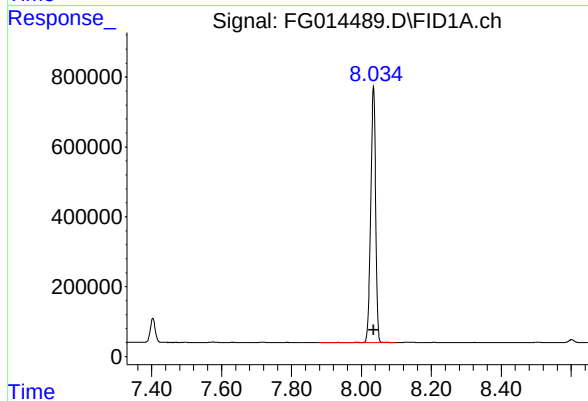
#2 Naphthalene (C11.7)

R.T.: 6.307 min
Delta R.T.: -0.002 min
Response: 661535
Conc: 4.61 ug/ml



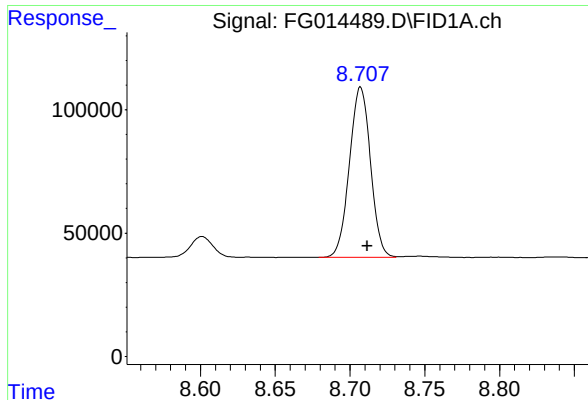
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.403 min
Delta R.T.: -0.004 min
Response: 676566
Conc: 4.63 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.034 min
Delta R.T.: -0.001 min
Response: 7133917
Conc: 56.83 ug/ml



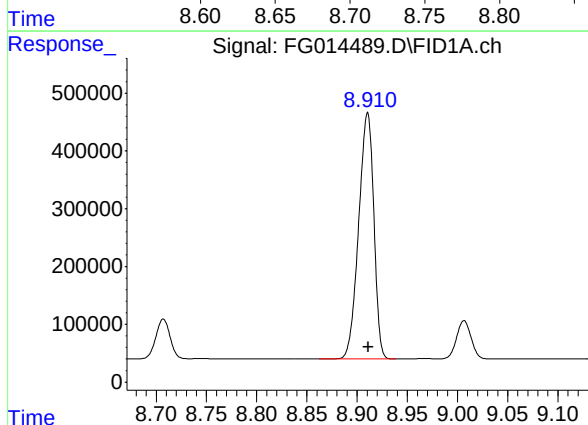
#5 Acenaphthylene (C15.06)

R.T.: 8.707 min
Delta R.T.: -0.005 min
Response: 678113
Conc: 4.66 ug/ml

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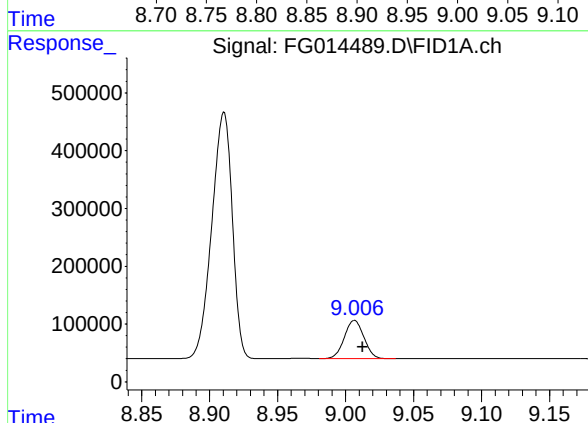
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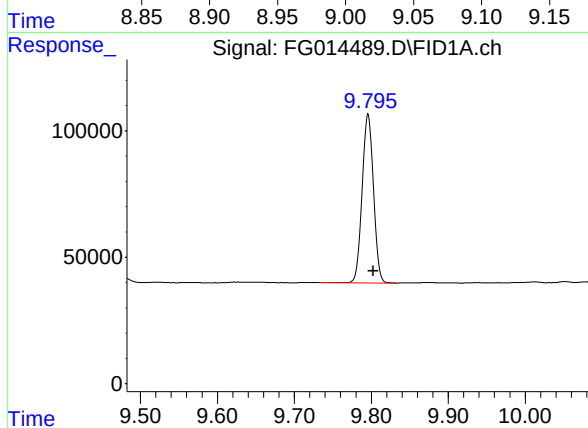
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.910 min
Delta R.T.: 0.000 min
Response: 4475383
Conc: 51.96 ug/ml



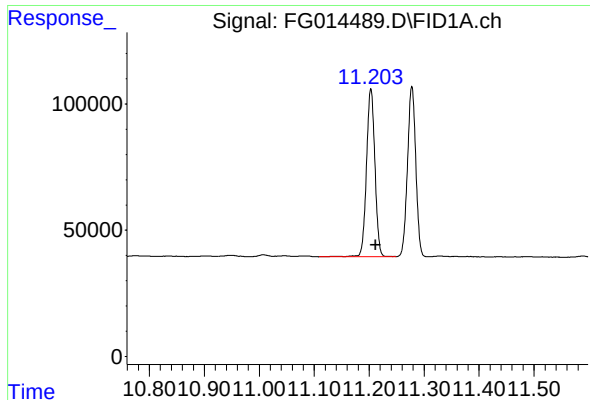
#7 Acenaphthene (C15.5)

R.T.: 9.007 min
Delta R.T.: -0.006 min
Response: 665283
Conc: 4.60 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.796 min
Delta R.T.: -0.007 min
Response: 684113
Conc: 4.72 ug/ml



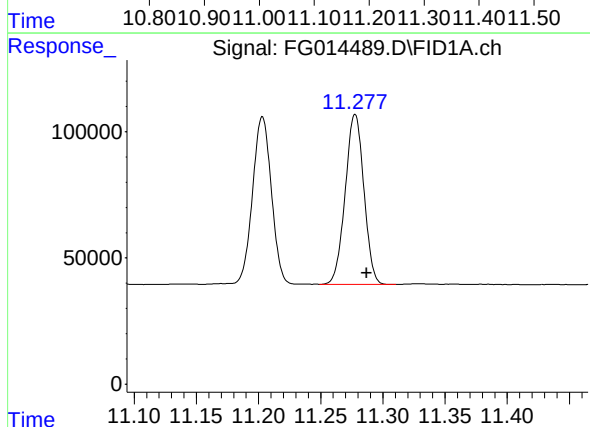
#9 Phenanthrene (C19.36)

R.T.: 11.203 min
Delta R.T.: -0.009 min
Response: 706026
Conc: 4.80 ug/ml

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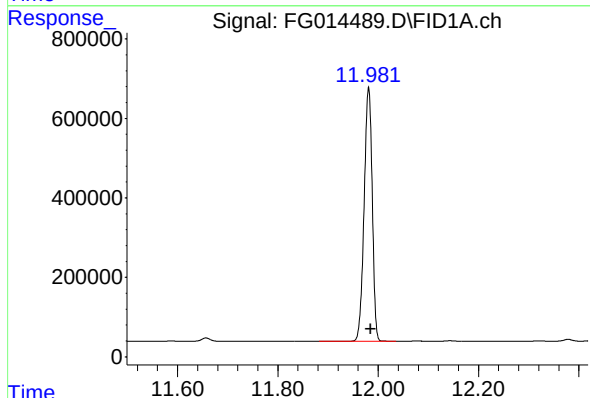
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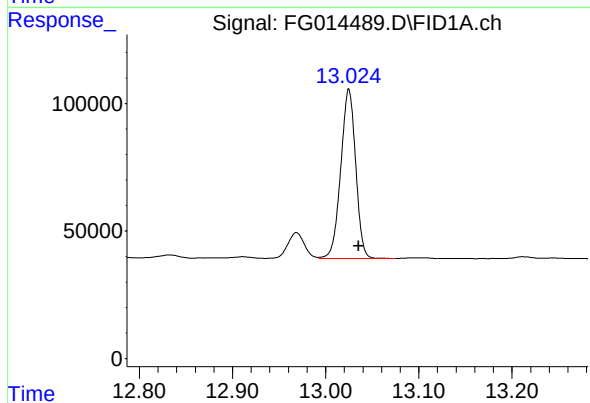
#10 Anthracene (C19.43)

R.T.: 11.278 min
Delta R.T.: -0.009 min
Response: 705293
Conc: 5.03 ug/ml



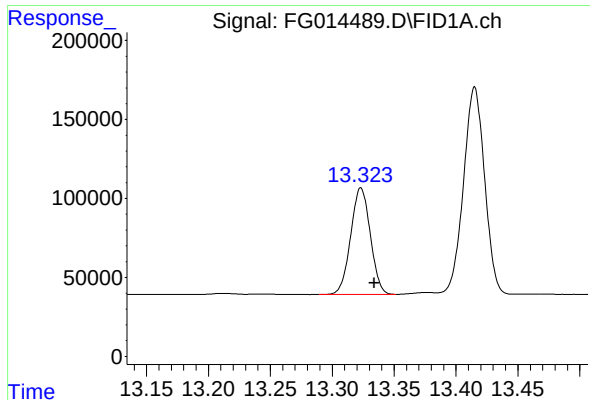
#11 ortho-Terphenyl (SURR)

R.T.: 11.981 min
Delta R.T.: -0.004 min
Response: 7145781
Conc: 48.26 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.025 min
Delta R.T.: -0.011 min
Response: 737404
Conc: 4.99 ug/ml



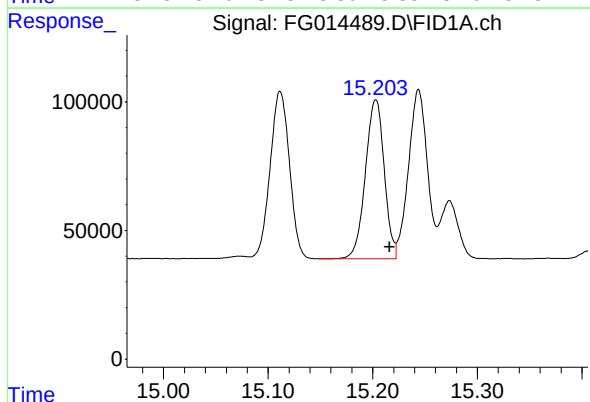
#13 Pyrene (C20.8)

R.T.: 13.323 min
Delta R.T.: -0.011 min
Response: 747929
Conc: 5.09 ug/ml

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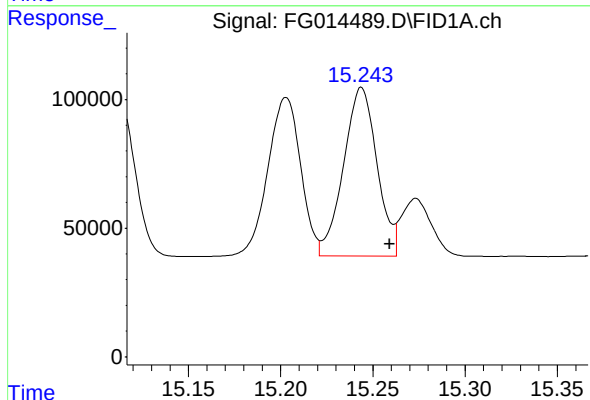
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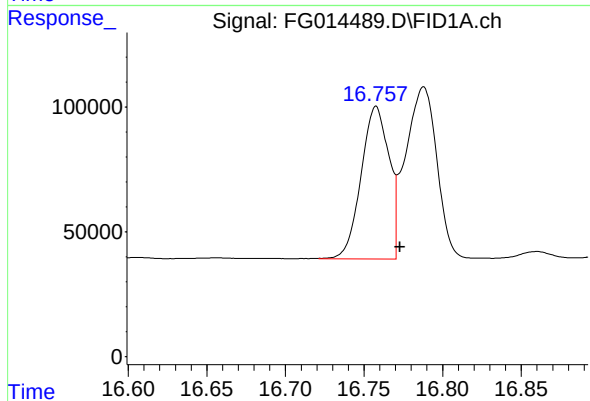
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.203 min
Delta R.T.: -0.013 min
Response: 773320
Conc: 5.34 ug/ml



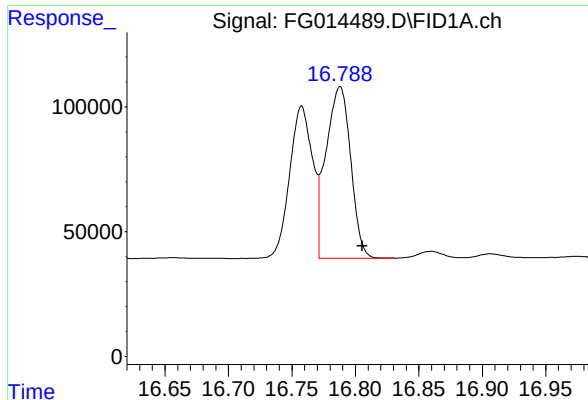
#15 Chrysene (C27.41)

R.T.: 15.243 min
Delta R.T.: -0.016 min
Response: 832157
Conc: 5.67 ug/ml m



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

R.T.: 16.757 min
Delta R.T.: -0.015 min
Response: 763130
Conc: 5.19 ug/ml m



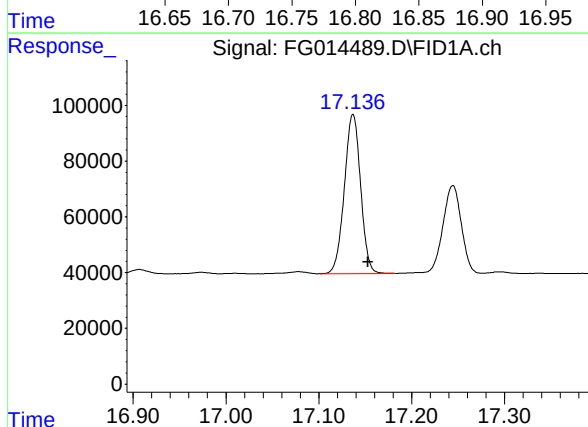
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.788 min
Delta R.T.: -0.018 min
Response: 929677
Conc: 6.74 ug/ml

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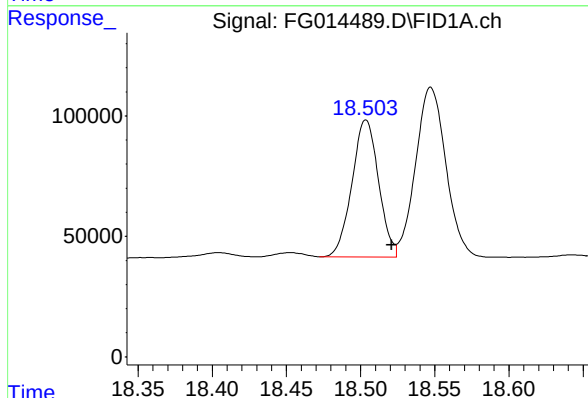
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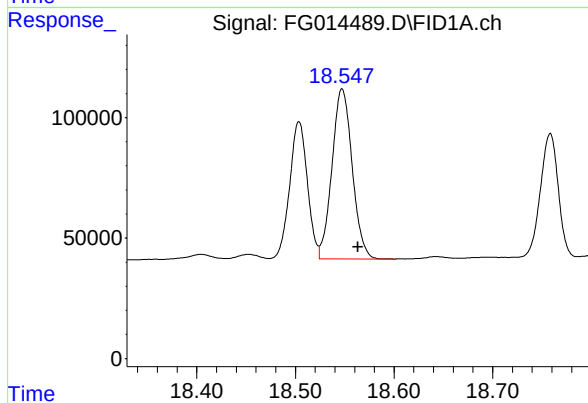
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.137 min
Delta R.T.: -0.016 min
Response: 695968
Conc: 4.88 ug/ml



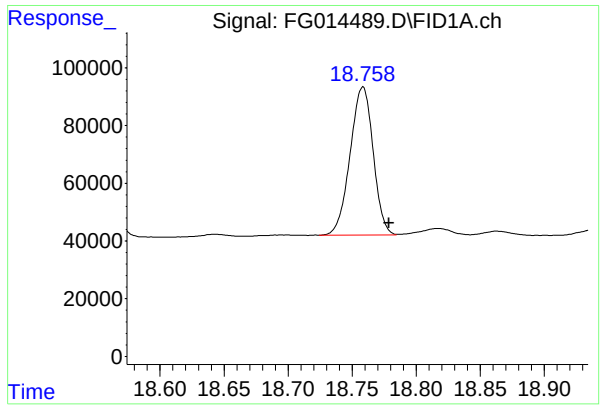
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.504 min
Delta R.T.: -0.017 min
Response: 708525
Conc: 5.31 ug/ml



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

R.T.: 18.547 min
Delta R.T.: -0.016 min
Response: 1002485
Conc: 7.18 ug/ml



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

R.T.: 18.758 min
Delta R.T.: -0.020 min
Response: 642506
Conc: 4.62 ug/ml

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