

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031317\
 Data File : BG026223.D
 Acq On : 13 Mar 2017 22:25
 Operator : SJ/MA
 Sample : I2217-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB2W5

Manual Integrations
 APPROVED

mohammad
 3/16/2017 10:52:34 AM

Quant Time: Mar 15 17:49:47 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 15 17:21:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	87190	20.00	ng/ul	-0.02
2) Naphthalene-d8	10.86	136	429918	20.00	ng/ul	-0.01
6) Acenaphthene-d10	14.66	164	261891	20.00	ng/ul	-0.01
12) Phenanthrene-d10	17.39	188	600256	20.00	ng/ul	-0.01
18) Chrysene-d12	21.64	240	629570	20.00	ng/ul	-0.02
23) Perylene-d12	24.82	264	599470	20.00	ng/ul	-0.03
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.48	165	8546	1.34	ng/uL	0.00
7) Acenaphthylene-d8	14.36	160	272177	12.19	ng/ul	-0.01
10) Fluorene-d10	15.64	176	198910	12.21	ng/ul	-0.02
15) Anthracene-d10	17.49	188	270863	10.15	ng/ul	-0.02
19) Pyrene-d10	19.77	212	312404	9.72	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.60	264	261022	10.10	ng/ul	-0.02
Target Compounds						
14) Phenanthrene	17.44	178	235989	7.42	ng/ul	Qvalue 99
16) Anthracene	17.52	178	46608	1.45	ng/ul	97
17) Fluoranthene	19.43	202	389365	11.79	ng/ul	99
20) Pyrene	19.79	202	346585	8.65	ng/ul	99
21) Benzo(a)anthracene	21.62	228	188612	5.38	ng/ul	96
22) Chrysene	21.68	228	185870	5.68	ng/ul	98
24) Benzo(b)fluoranthene	23.82	252	233645	6.86	ng/ul	97
25) Benzo(k)fluoranthene	23.87	252	80464m	2.48	ng/ul	
27) Benzo(a)pyrene	24.67	252	152622	4.83	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	28.45	276	99178	2.84	ng/ul#	91
30) Benzo(g,h,i)perylene	29.58	276	99474m	3.33	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

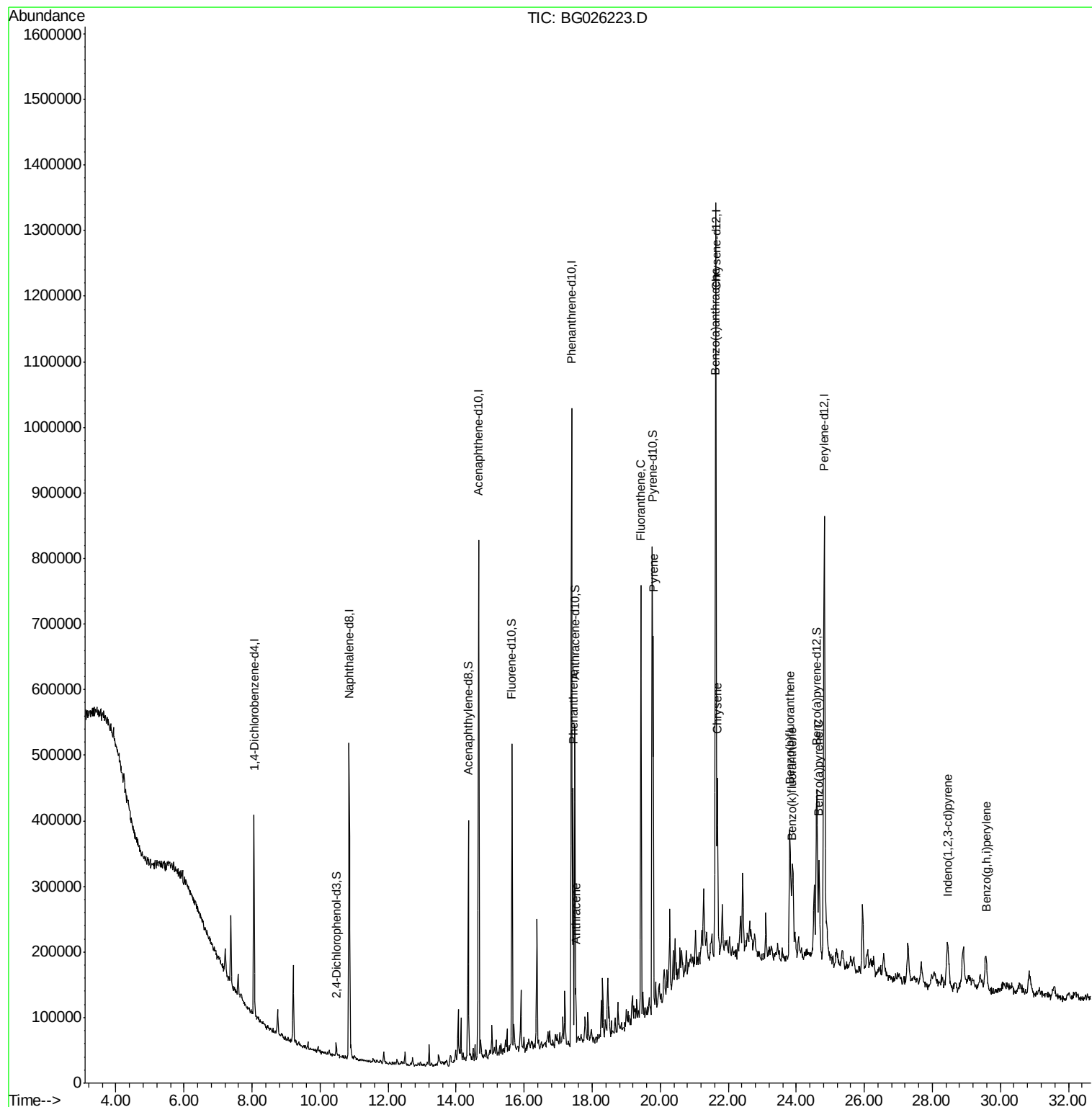
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031317\
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ALS Vial : 17 Sample Multiplier: 1

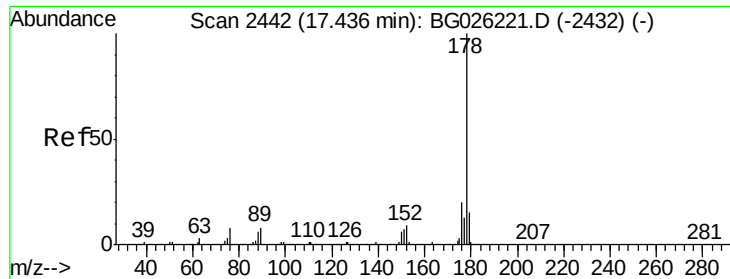
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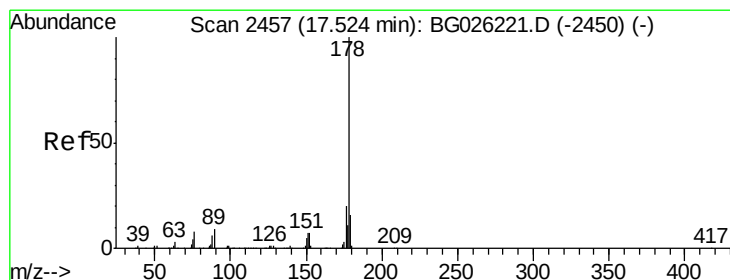
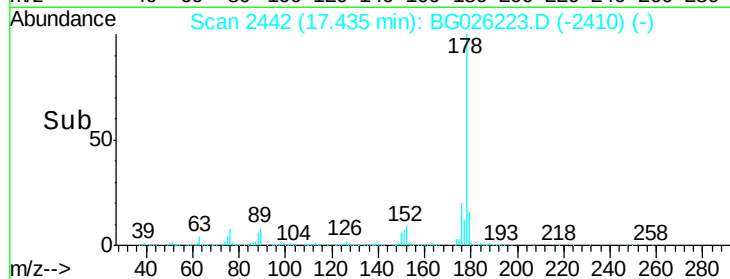
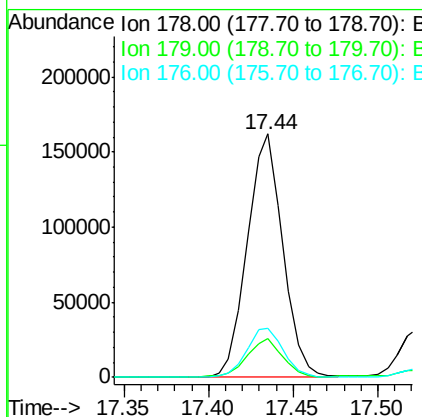
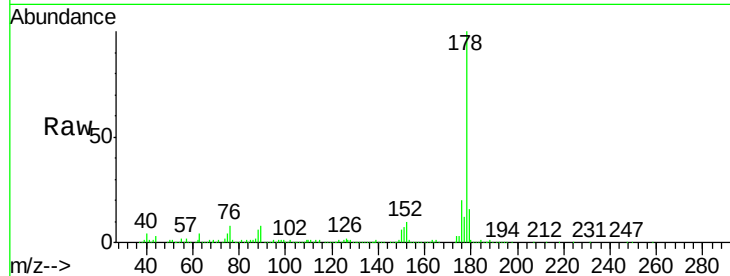
#14
Phenanthrene
Concen: 7.42 ng/ul
RT: 17.44 min Scan# 2442
Delta R.T. -0.01 min
Lab File: BG026223.D
Acq: 13 Mar 2017 22:25

Instrument :
BNA_G
ClientSampleId :
CB2W5

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.2	18.4
176	20.3	16.4	24.6

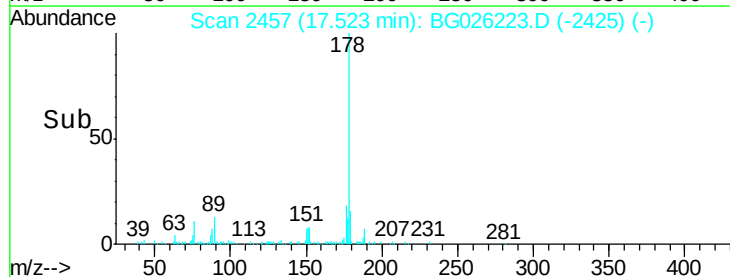
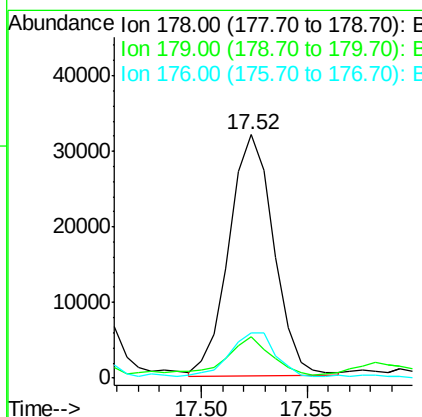
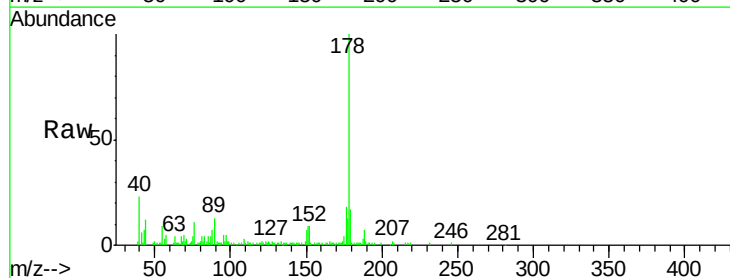
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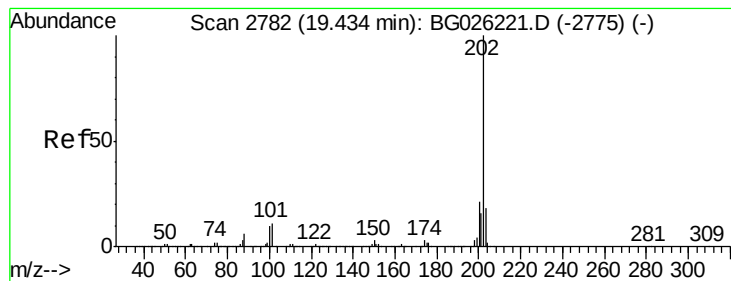
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#16
Anthracene
Concen: 1.45 ng/ul
RT: 17.52 min Scan# 2457
Delta R.T. -0.01 min
Lab File: BG026223.D
Acq: 13 Mar 2017 22:25

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.9	12.7	19.1
176	18.4	15.8	23.8





#17

Fluoranthene

Concen: 11.79 ng/ul

RT: 19.43 min Scan# 2782

Delta R.T. -0.01 min

Lab File: BG026223.D

Acq: 13 Mar 2017 22:25

Instrument :

BNA_G

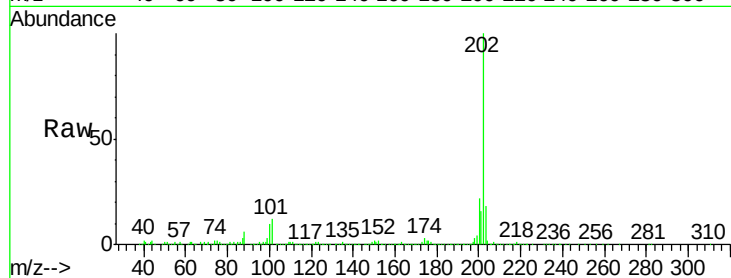
ClientSampleId :

CB2W5

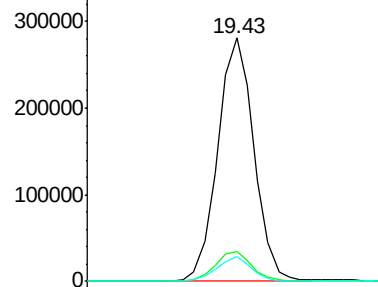
Tgt	Ion	202	Resp:	389365
Ion	Ratio	Lower	Upper	
202	100			
101	12.3	9.8	14.8	
100	10.0	7.5	11.3	

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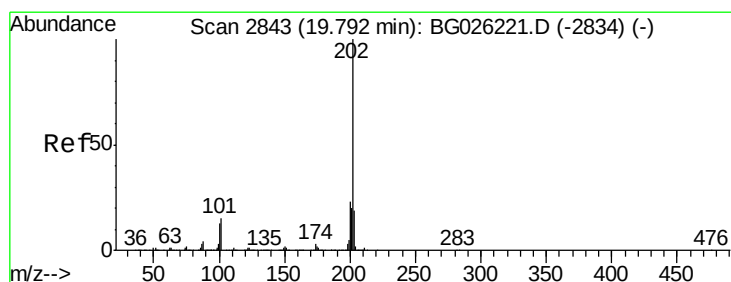
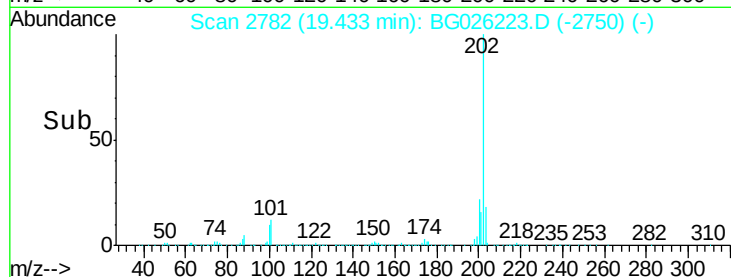
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time-->



#20

Pyrene

Concen: 8.65 ng/ul

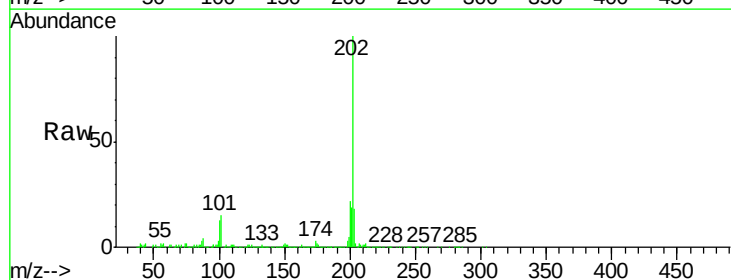
RT: 19.79 min Scan# 2843

Delta R.T. -0.01 min

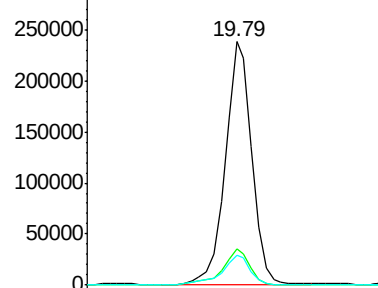
Lab File: BG026223.D

Acq: 13 Mar 2017 22:25

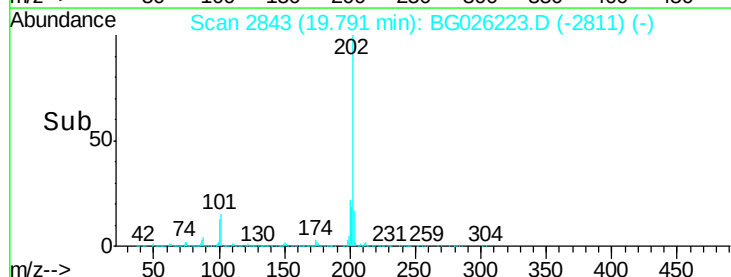
Tgt	Ion	202	Resp:	346585
Ion	Ratio	Lower	Upper	
202	100			
101	14.7	11.2	16.8	
100	12.5	9.8	14.6	

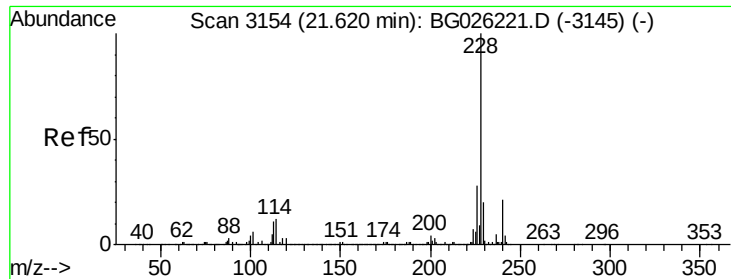


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time-->





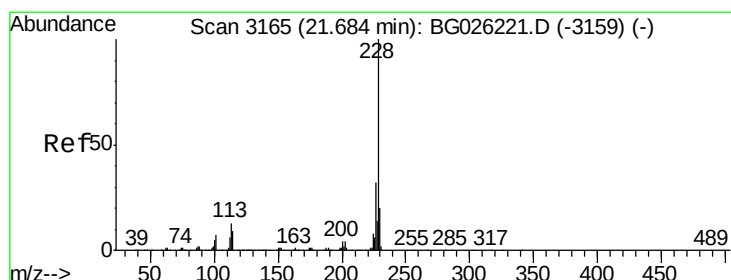
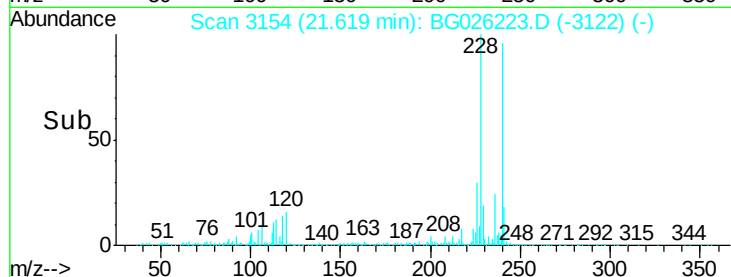
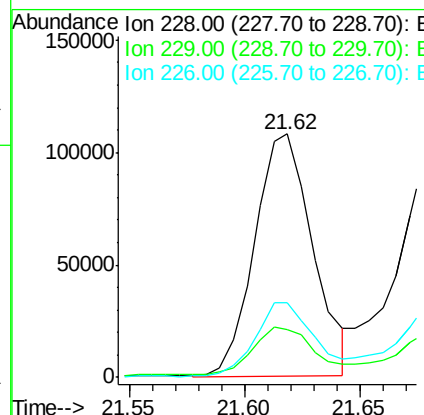
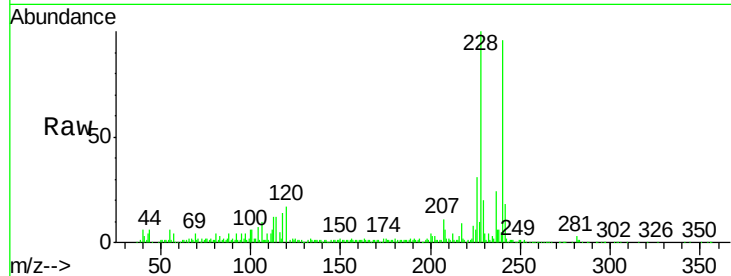
#21
Benzo(a)anthracene
Concen: 5.38 ng/ul
RT: 21.62 min Scan# 3154
Delta R.T. -0.01 min
Lab File: BG026223.D
Acq: 13 Mar 2017 22:25

Instrument :
BNA_G
ClientSampleId :
CB2W5

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.5	15.9	23.9
226	30.6	22.1	33.1

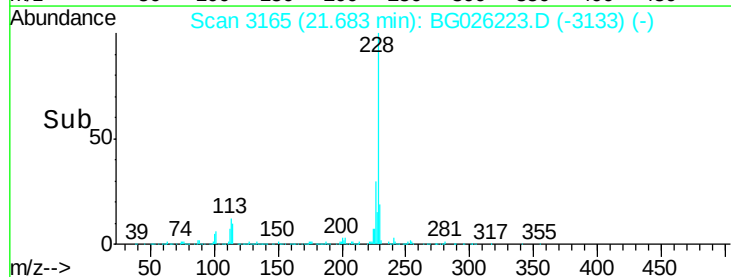
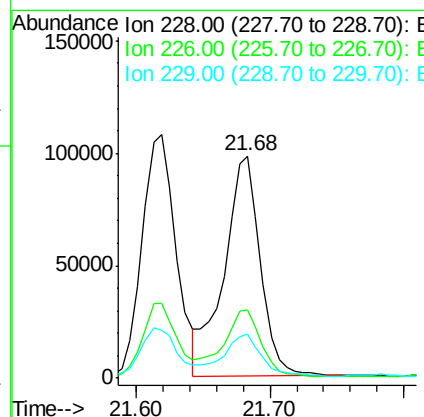
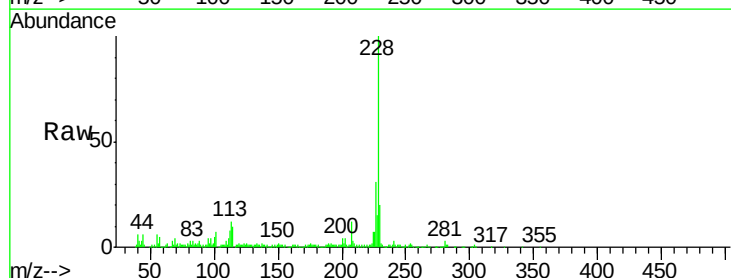
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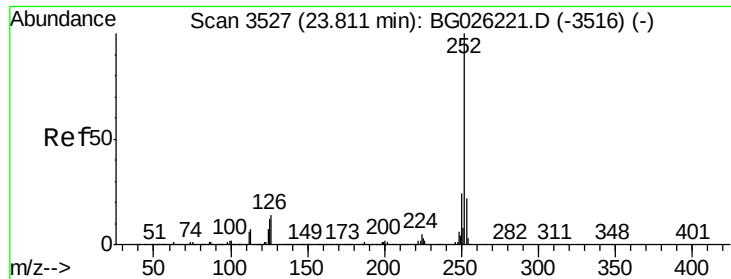
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#22
Chrysene
Concen: 5.68 ng/ul
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG026223.D
Acq: 13 Mar 2017 22:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	19.8	16.6	25.0





#24

Benzo(b)fluoranthene

Concen: 6.86 ng/ul

RT: 23.82 min Scan# 3528

Delta R.T. -0.02 min

Lab File: BG026223.D

Acq: 13 Mar 2017 22:25

Instrument :

BNA_G

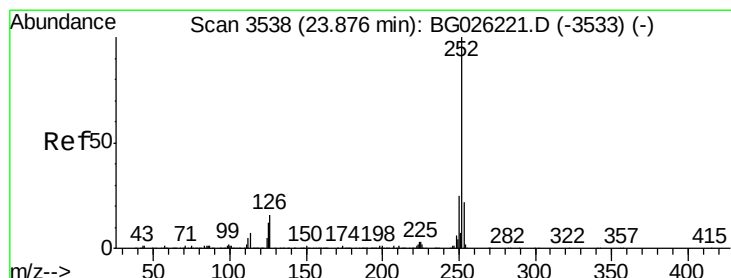
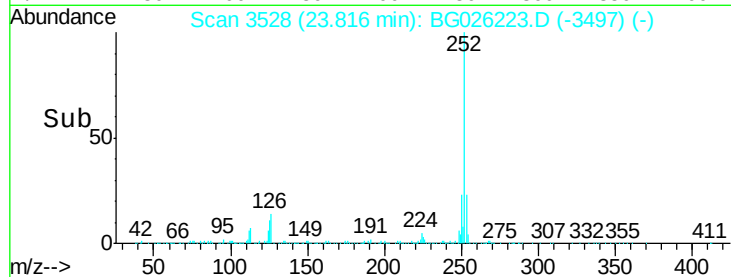
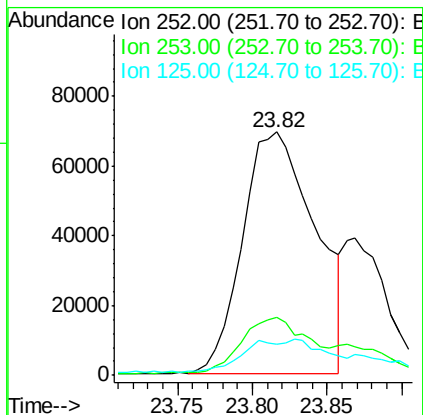
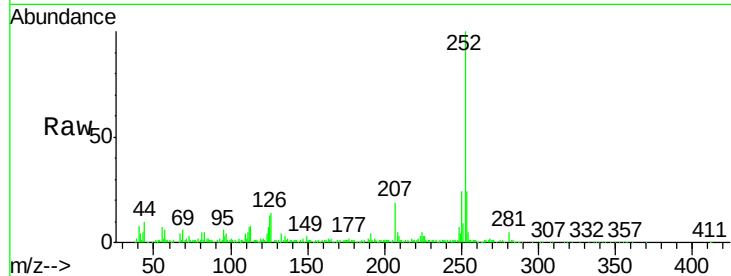
ClientSampleId :

CB2W5

Tgt Ion:	252	Resp:	233645
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.8	26.6
125	12.9	9.4	14.0

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#25

Benzo(k)fluoranthene

Concen: 2.48 ng/ul m

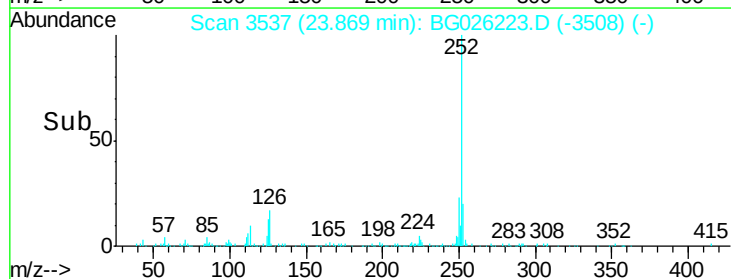
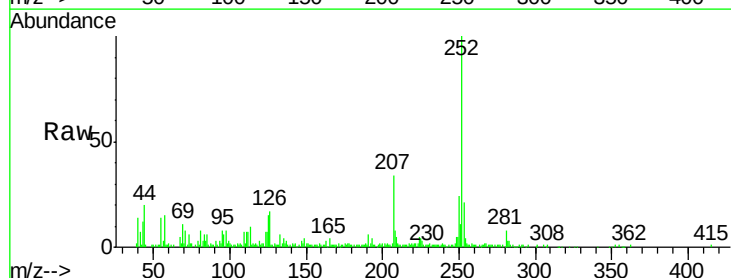
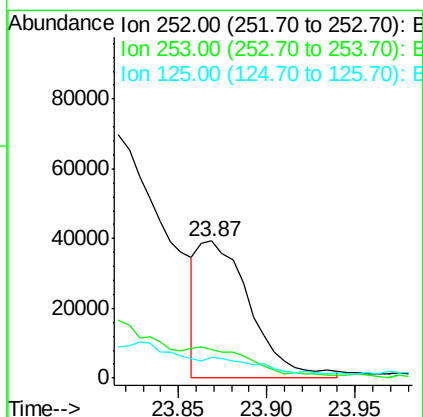
RT: 23.87 min Scan# 3537

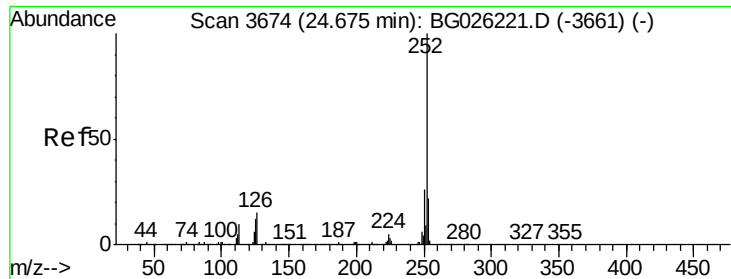
Delta R.T. -0.03 min

Lab File: BG026223.D

Acq: 13 Mar 2017 22:25

Tgt Ion:	252	Resp:	80464
Ion Ratio	Lower	Upper	
252	100		
253	20.9	17.4	26.2
125	15.3	8.8	13.2#





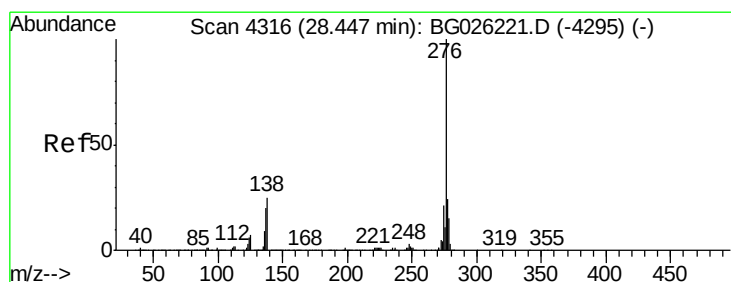
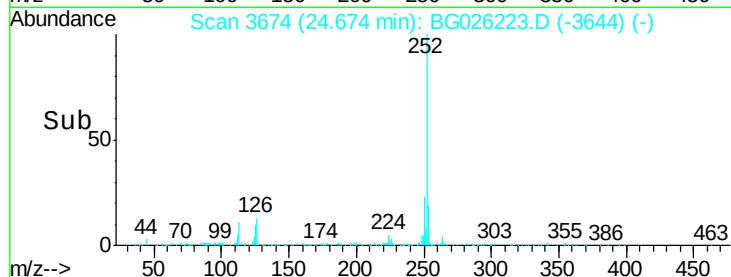
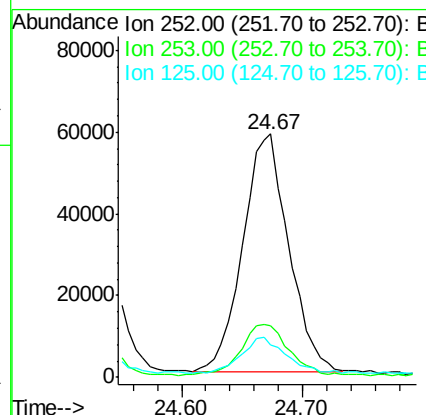
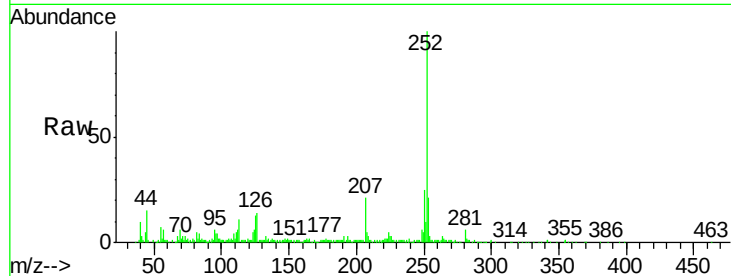
#27
Benzo(a)pyrene
Concen: 4.83 ng/ul
RT: 24.67 min Scan# 3674
Delta R.T. -0.02 min
Lab File: BG026223.D
Acq: 13 Mar 2017 22:25

Instrument :
BNA_G
ClientSampleId :
CB2W5

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.1	25.7
125	13.1	9.4	14.2

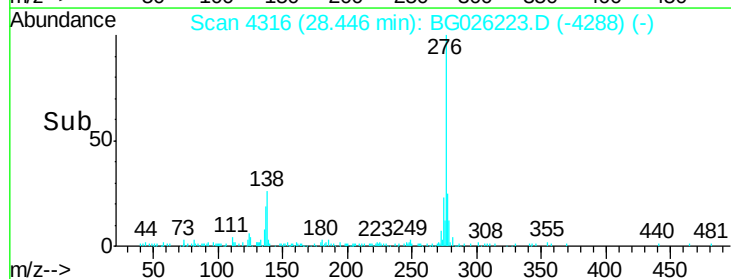
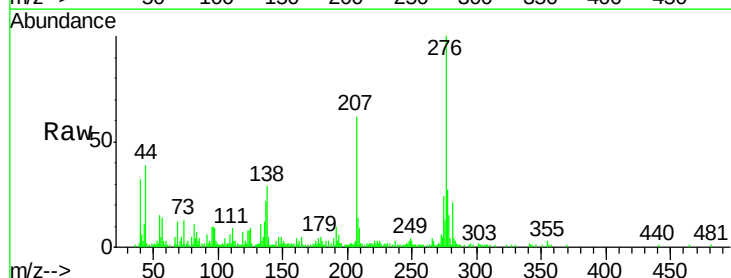
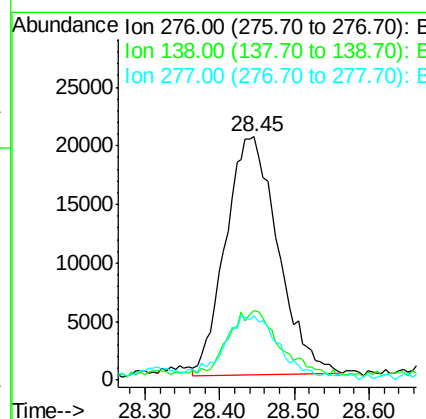
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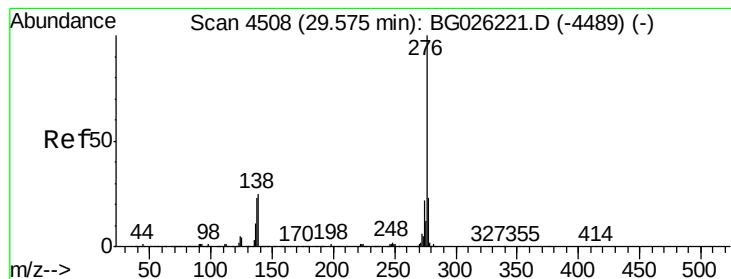
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#28
Indeno(1,2,3-cd)pyrene
Concen: 2.84 ng/ul
RT: 28.45 min Scan# 4316
Delta R.T. -0.03 min
Lab File: BG026223.D
Acq: 13 Mar 2017 22:25

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.6	17.8	26.6#
277	26.6	19.4	29.0





#30

Benzo(g,h,i)perylene

Concen: 3.33 ng/ul m

RT: 29.58 min Scan# 4509

Delta R.T. -0.03 min

Lab File: BG026223.D

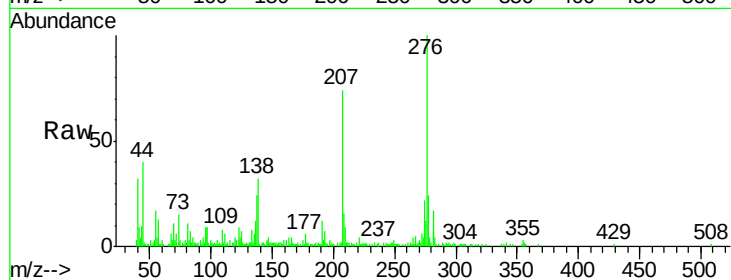
Acq: 13 Mar 2017 22:25

Instrument :

BNA_G

ClientSampleId :

CB2W5



Tgt Ion:	276	Resp:	99474
Ion Ratio	Lower	Upper	
276	100		
138	31.7	19.0	28.4#
277	24.3	19.7	29.5

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