

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052617\  
 Data File : BG027149.D  
 Acq On : 25 May 2017 4:40  
 Operator : SJ/MA  
 Sample : I3279-02  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

**Instrument :**  
 BNA\_G  
**ClientSampleId :**  
 DACAS

**Manual Integrations**  
**APPROVED**  
 mohammad  
 5/26/2017 11:55:37 AM

Quant Time: May 25 06:39:36 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG051817MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 25 06:05:48 2017  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	175706	20.00	ng/ul	0.00
2) Naphthalene-d8	10.81	136	853735	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.62	164	440416	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.36	188	814832	20.00	ng/ul	0.00
17) Chrysene-d12	21.61	240	720984	20.00	ng/ul	0.00
22) Perylene-d12	24.79	264	624634	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	14.32	160	1005871	22.27	ng/ul	0.00
10) Fluorene-d10	15.61	176	648800	21.53	ng/ul	0.00
14) Anthracene-d10	17.45	188	853301m	21.48	ng/ul	0.00
18) Pyrene-d10	19.74	212	830898	22.07	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.56	264	677203	21.82	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Phenanthrene	17.40	178	132467	2.91	ng/ul	98
16) Fluoranthene	19.40	202	246994	5.30	ng/ul#	93
19) Pyrene	19.77	202	208906	4.43	ng/ul#	88
20) Benzo(a)anthracene	21.59	228	112125	2.58	ng/ul	93
21) Chrysene	21.65	228	130500	3.27	ng/ul	98
23) Benzo(b)fluoranthene	23.78	252	155518	4.19	ng/ul#	88
24) Benzo(k)fluoranthene	23.82	252	78394m	2.05	ng/ul	
26) Benzo(a)pyrene	24.63	252	93424	2.57	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	28.41	276	49853m	1.49	ng/ul	
29) Benzo(g,h,i)perylene	29.53	276	39229m	1.48	ng/ul	

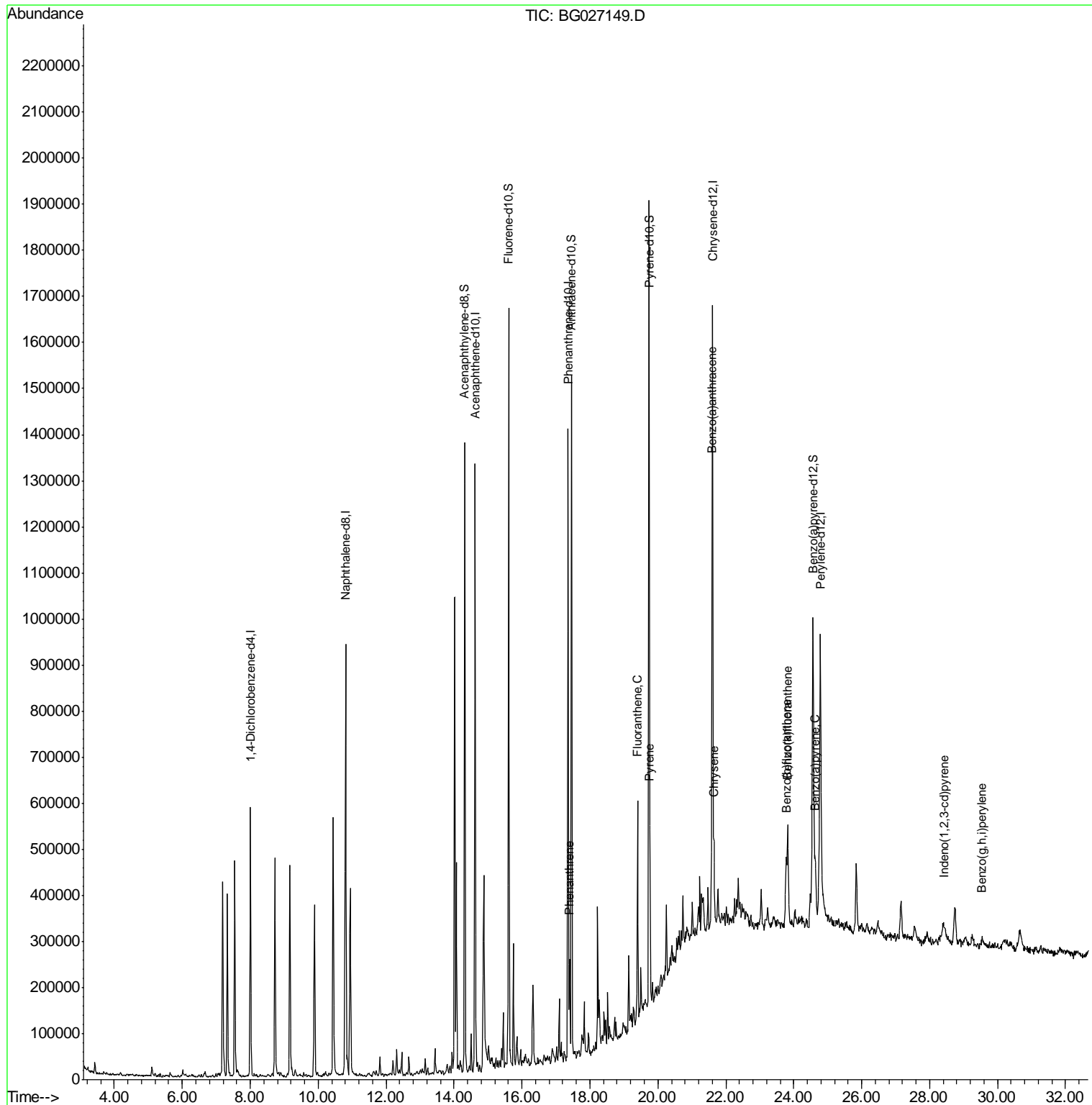
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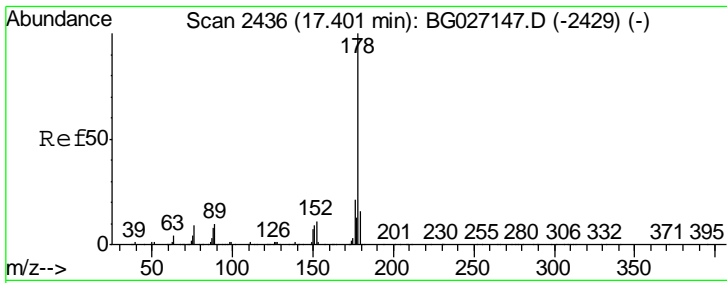
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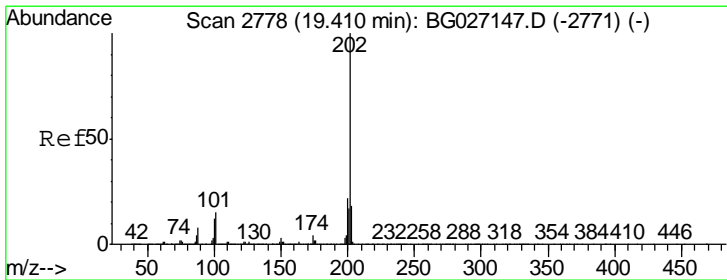
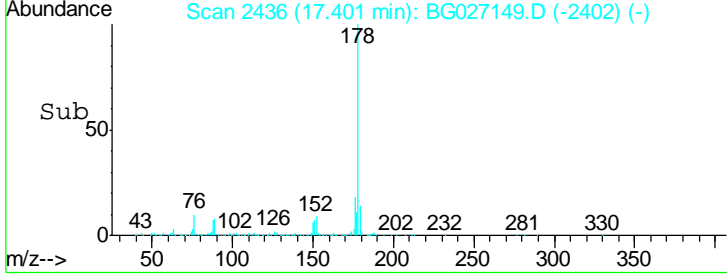
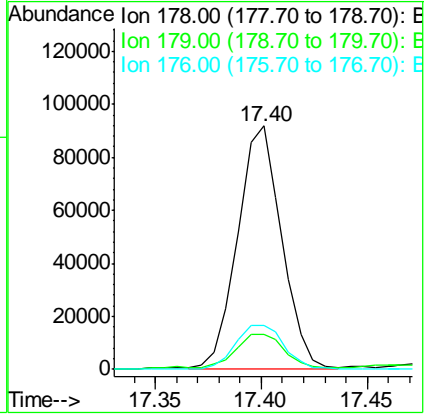
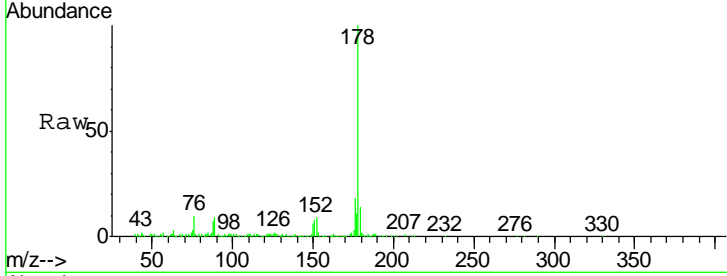
#13  
 Phenanthrene  
 Concen: 2.91 ng/ul  
 RT: 17.40 min Scan# 2436  
 Delta R.T. -0.00 min  
 Lab File: BG027149.D  
 Acq: 25 May 2017 4:40

Instrument :  
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 ClientSampled :  
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Tgt Ion	Resp	Lower	Upper
178	132467		
179	14.3	12.3	18.5
176	17.9	15.1	22.7

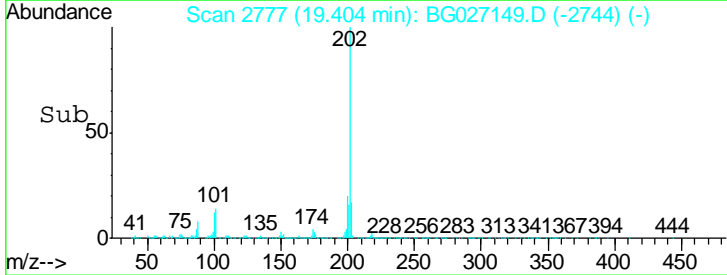
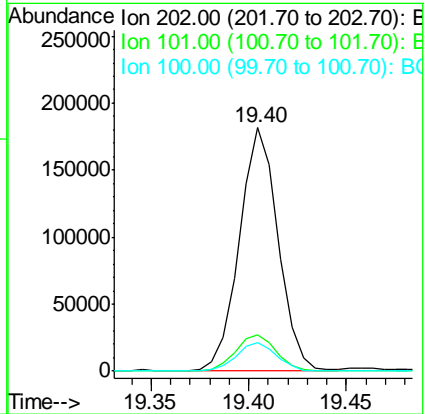
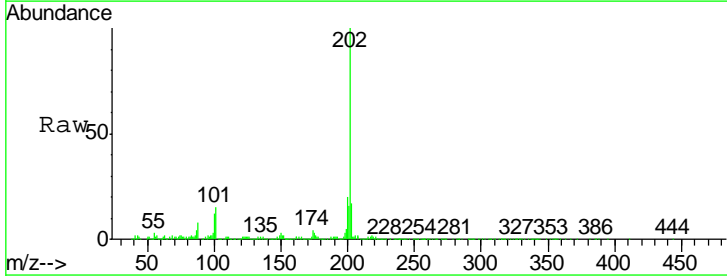
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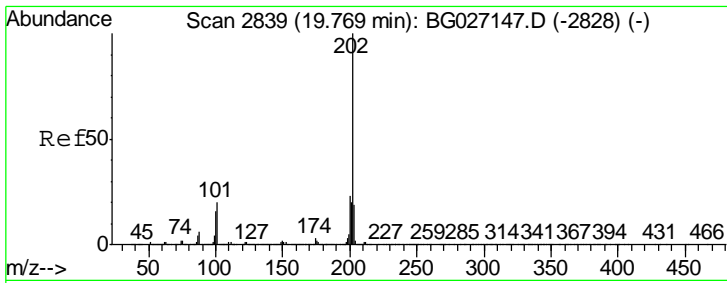
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#16  
 Fluoranthene  
 Concen: 5.30 ng/ul  
 RT: 19.40 min Scan# 2777  
 Delta R.T. -0.01 min  
 Lab File: BG027149.D  
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Tgt Ion	Resp	Lower	Upper
202	246994		
101	14.7	9.9	14.9
100	12.0	7.4	11.0#





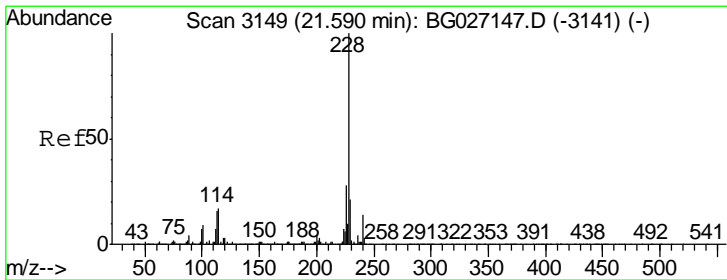
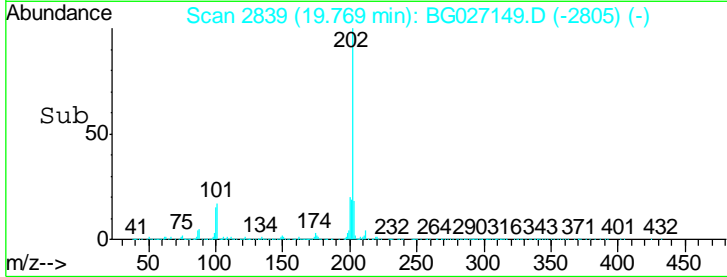
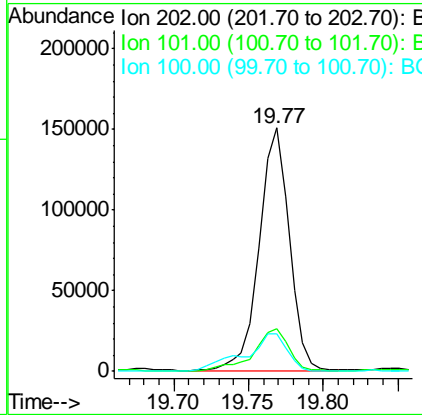
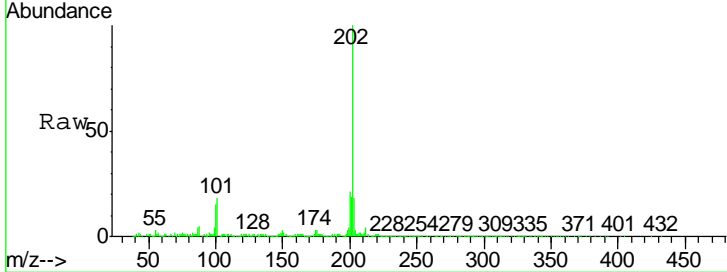
#19  
 Pyrene  
 Concen: 4.43 ng/ul  
 RT: 19.77 min Scan# 2839  
 Delta R.T. -0.00 min  
 Lab File: BG027149.D  
 Acq: 25 May 2017 4:40

**Instrument :**  
 BNA\_G  
**ClientSampled :**  
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Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.6	11.0	16.4#
100	15.4	8.1	12.1#

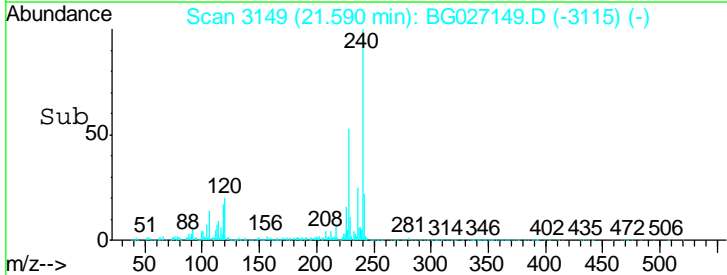
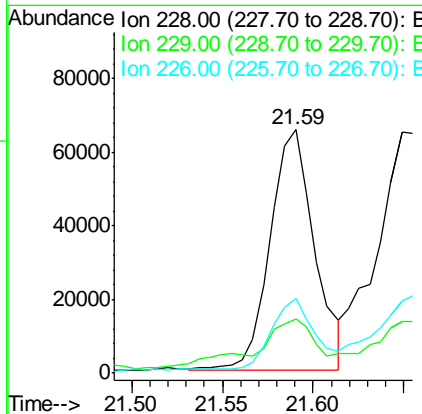
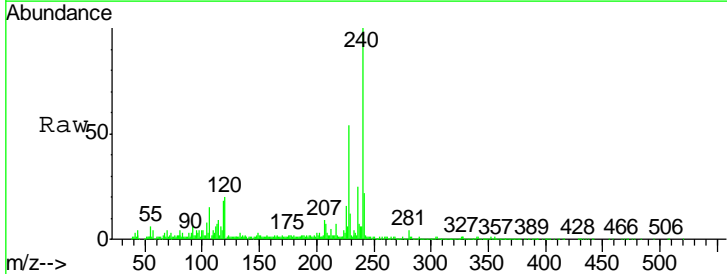
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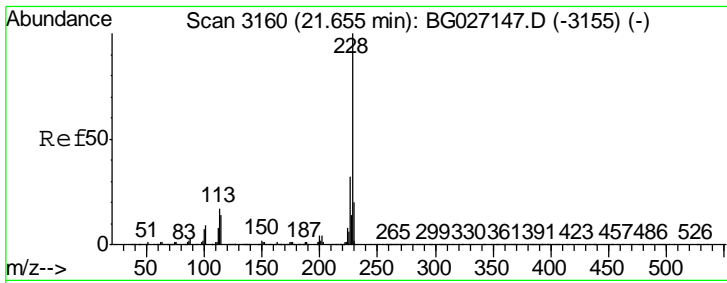
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#20  
 Benzo(a)anthracene  
 Concen: 2.58 ng/ul  
 RT: 21.59 min Scan# 3149  
 Delta R.T. -0.00 min  
 Lab File: BG027149.D  
 Acq: 25 May 2017 4:40

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.0	15.7	23.5
226	30.6	21.1	31.7





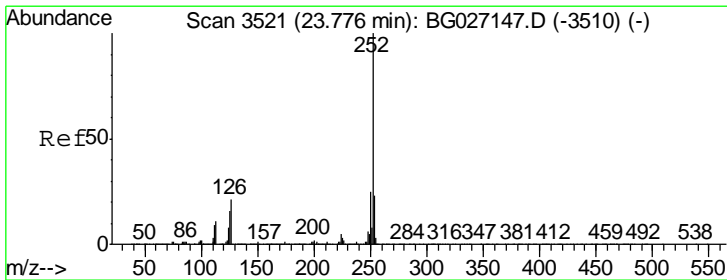
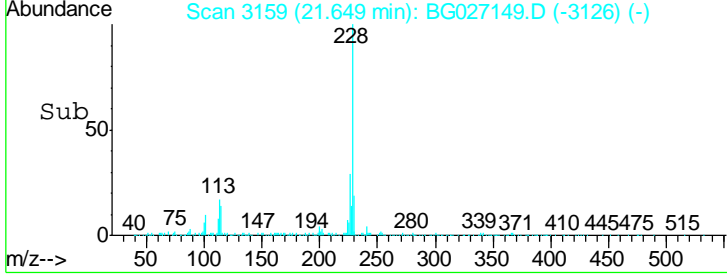
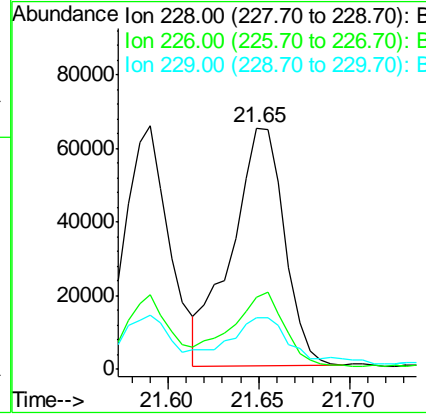
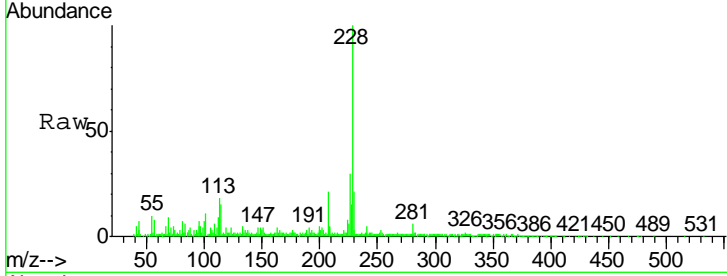
#21  
 Chrysene  
 Concen: 3.27 ng/ul  
 RT: 21.65 min Scan# 3159  
 Delta R.T. -0.01 min  
 Lab File: BG027149.D  
 Acq: 25 May 2017 4:40

Instrument :  
 BNA\_G  
 ClientSampled :  
 DACA8

Tgt Ion	Resp	Lower	Upper
228	100		
226	29.9	24.5	36.7
229	21.3	15.8	23.8

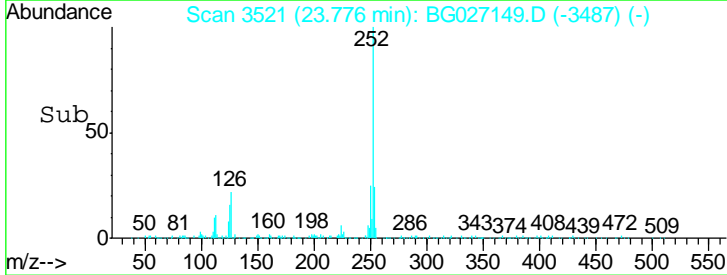
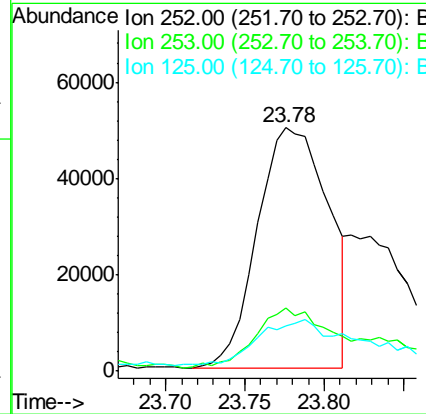
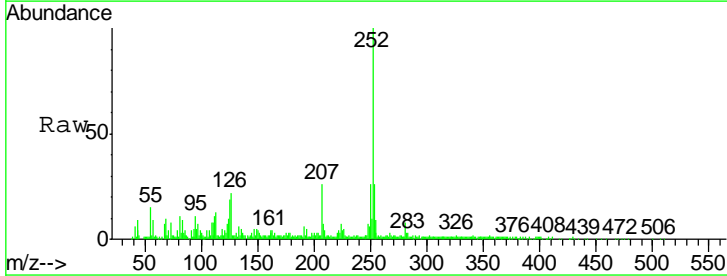
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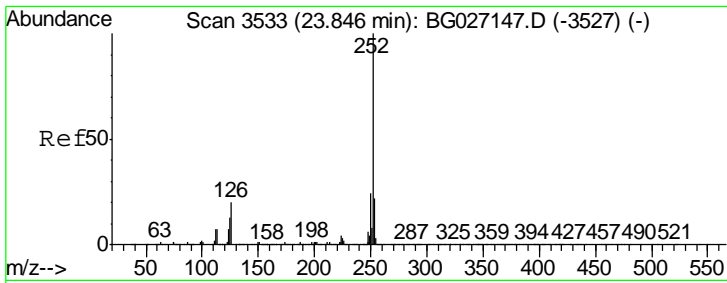
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#23  
 Benzo(b)fluoranthene  
 Concen: 4.19 ng/ul  
 RT: 23.78 min Scan# 3521  
 Delta R.T. -0.00 min  
 Lab File: BG027149.D  
 Acq: 25 May 2017 4:40

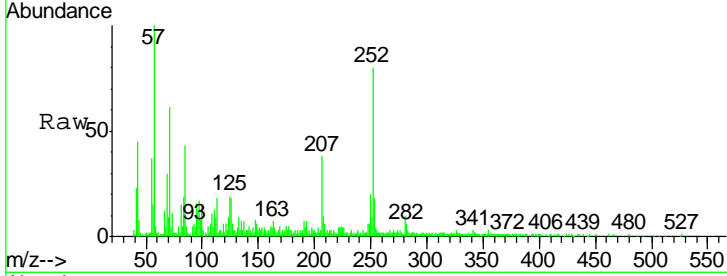
Tgt Ion	Resp	Lower	Upper
252	100		
253	25.9	18.0	27.0
125	18.7	8.0	12.0#





#24  
 Benzo(k)fluoranthene  
 Concen: 2.05 ng/ul m  
 RT: 23.82 min Scan# 3528  
 Delta R.T. -0.03 min  
 Lab File: BG027149.D  
 Acq: 25 May 2017 4:40

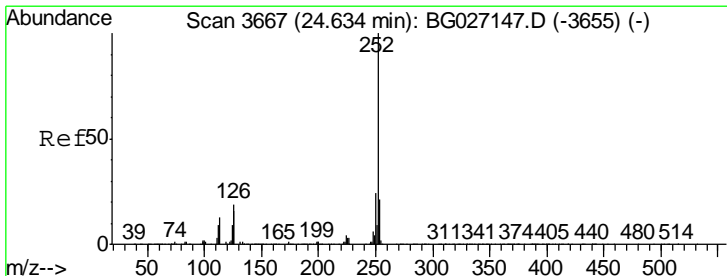
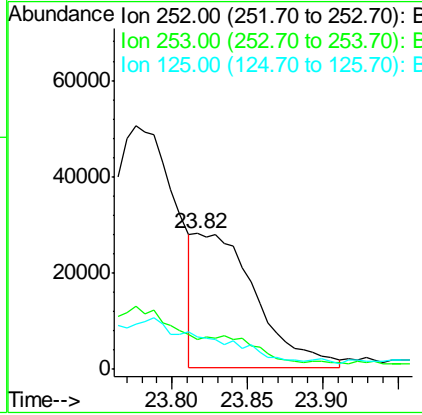
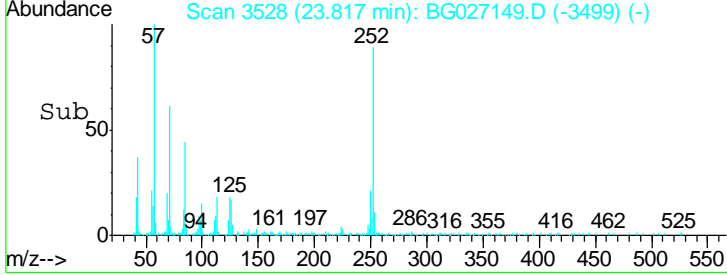
Instrument :  
 BNA\_G  
 ClientSampled :  
 DACAB



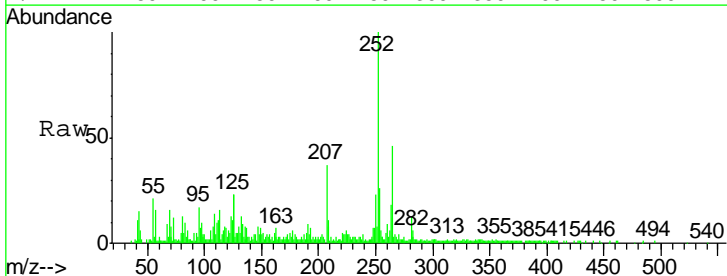
Tgt Ion	Resp	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	24.1	8.1	12.1#

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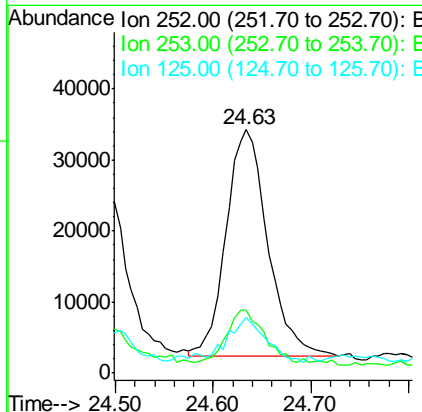
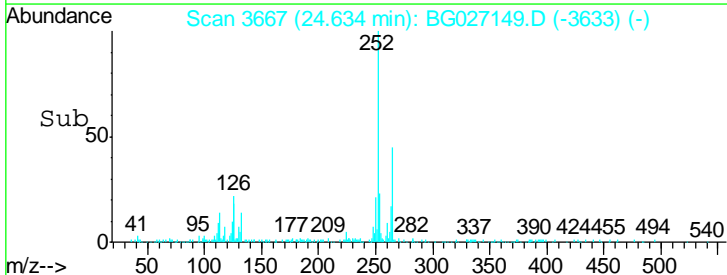
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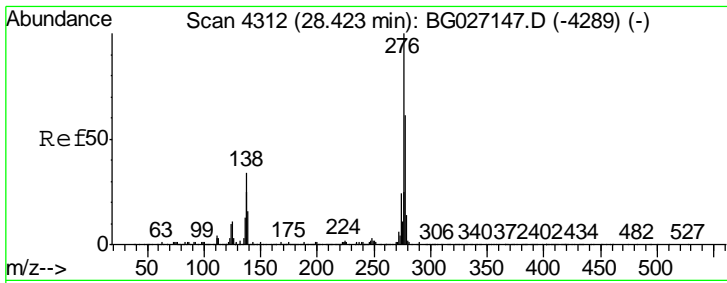


#26  
 Benzo(a)pyrene  
 Concen: 2.57 ng/ul  
 RT: 24.63 min Scan# 3667  
 Delta R.T. -0.00 min  
 Lab File: BG027149.D  
 Acq: 25 May 2017 4:40



Tgt Ion	Resp	Lower	Upper
252	100		
253	25.7	17.2	25.8
125	22.6	8.2	12.4#





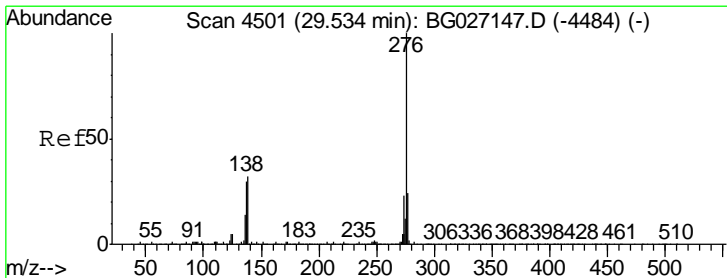
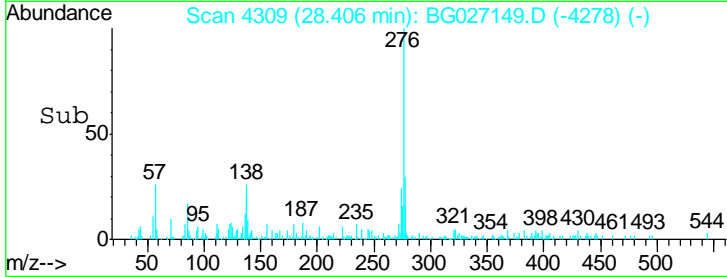
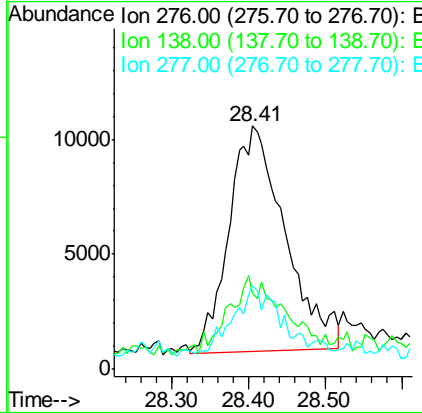
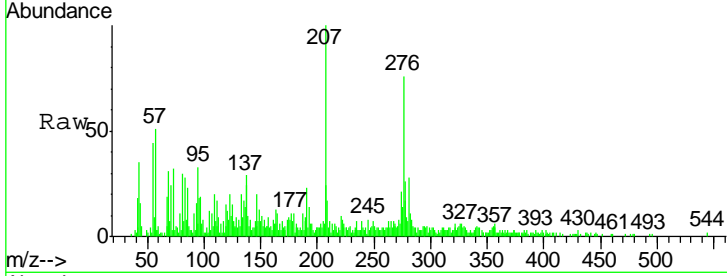
#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 1.49 ng/ul m  
 RT: 28.41 min Scan# 4309  
 Delta R.T. -0.02 min  
 Lab File: BG027149.D  
 Acq: 25 May 2017 4:40

Instrument :  
 BNA\_G  
 ClientSampled :  
 DACA8

Tgt Ion	Resp	Lower	Upper
276	49853		
138	30.9	14.4	21.6#
277	34.3	18.0	27.0#

Manual Integrations  
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#29  
 Benzo(g,h,i)perylene  
 Concen: 1.48 ng/ul m  
 RT: 29.53 min Scan# 4501  
 Delta R.T. -0.00 min  
 Lab File: BG027149.D  
 Acq: 25 May 2017 4:40

Tgt Ion	Resp	Lower	Upper
276	39229		
138	30.7	15.3	22.9#
277	27.0	19.0	28.4

