

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052617\
 Data File : BG027158.D
 Acq On : 25 May 2017 10:33
 Operator : SJ/MA
 Sample : I3276-20
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DAC94

Manual Integrations
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mohammad
 5/26/2017 11:56:09 AM

Quant Time: May 25 13:03:42 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	211480	20.00	ng/ul	0.00
2) Naphthalene-d8	10.81	136	976555	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.63	164	487207	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.36	188	870411	20.00	ng/ul	0.00
17) Chrysene-d12	21.62	240	759416	20.00	ng/ul	0.02
22) Perylene-d12	24.82	264	592592	20.00	ng/ul	0.04

System Monitoring Compounds						
7) Acenaphthylene-d8	14.32	160	907579	18.16	ng/ul	0.00
10) Fluorene-d10	15.61	176	559578	16.78	ng/ul	0.00
14) Anthracene-d10	17.46	188	794847m	18.73	ng/ul	0.00
18) Pyrene-d10	19.75	212	750223	18.92	ng/ul	0.01
25) Benzo(a)pyrene-d12	24.60	264	554761	18.84	ng/ul	0.03

Target Compounds				Qvalue		
3) Naphthalene	10.86	128	706577	13.95	ng/ul	98
4) 2-Methylnaphthalene	12.46	142	177000	4.71	ng/ul	96
5) 1-Methylnaphthalene	12.68	142	118454	2.93	ng/ul#	99
9) Acenaphthene	14.69	153	354227	10.30	ng/ul	99
11) Fluorene	15.67	166	420266	11.47	ng/ul	95
13) Phenanthrene	17.42	178	4140161m	85.09	ng/ul	
15) Anthracene	17.50	178	1114125	22.29	ng/ul	97
16) Fluoranthene	19.43	202	4945128	99.41	ng/ul#	68
19) Pyrene	19.79	202	4431714	89.29	ng/ul#	67
20) Benzo(a)anthracene	21.61	228	2665699	58.26	ng/ul#	90
21) Chrysene	21.67	228	2396950	57.06	ng/ul#	92
23) Benzo(b)fluoranthene	23.82	252	2931362	83.23	ng/ul#	90
24) Benzo(k)fluoranthene	23.87	252	1513602m	41.78	ng/ul	
26) Benzo(a)pyrene	24.67	252	1816151	52.71	ng/ul#	89
27) Indeno(1,2,3-cd)pyrene	28.47	276	774863	24.45	ng/ul#	80
28) Dibenzo(a,h)anthracene	28.49	278	162545	5.94	ng/ul#	75
29) Benzo(g,h,i)perylene	29.61	276	597095m	23.69	ng/ul	

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

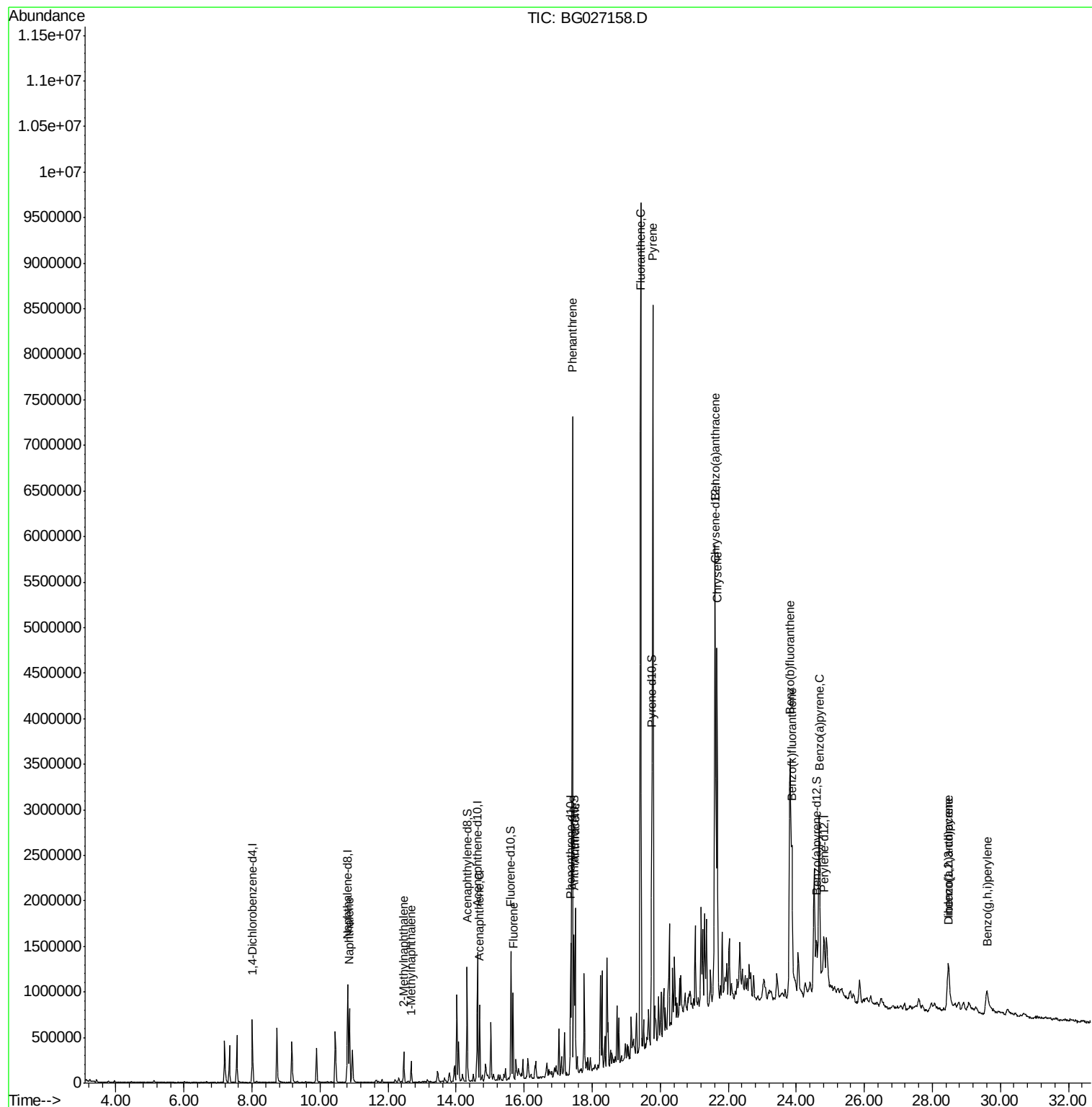
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052617\
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ALS Vial : 27 Sample Multiplier: 1

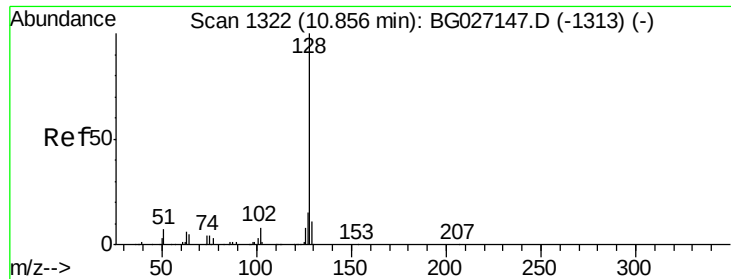
Instrument :
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Quant Title : SVOA CALIBRATION
QLast Update : Thu May 25 06:05:48 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 13.95 ng/ul

RT: 10.86 min Scan# 1323

Delta R.T. 0.00 min

Lab File: BG027158.D

Acq: 25 May 2017 10:33

Instrument :

BNA_G

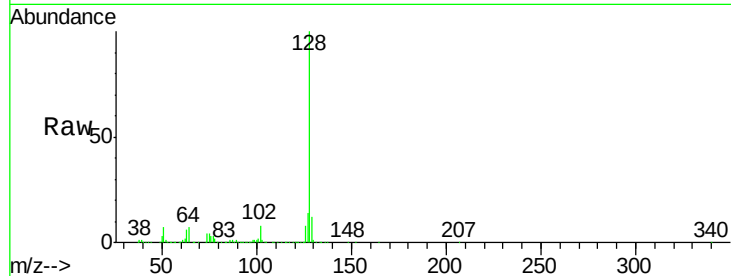
ClientSampleId :

DAC94

Tgt Ion:	128	Resp:	706577
Ion Ratio	Lower	Upper	
128	100		
129	11.9	8.7	13.1
127	14.0	10.6	16.0

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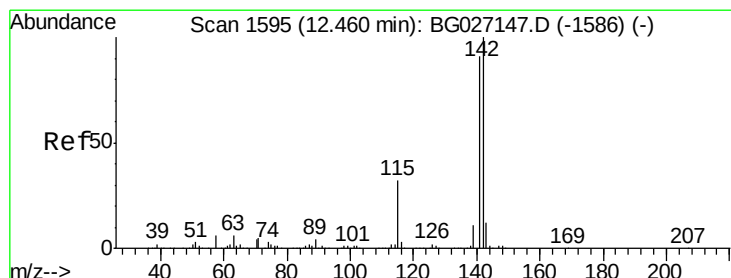
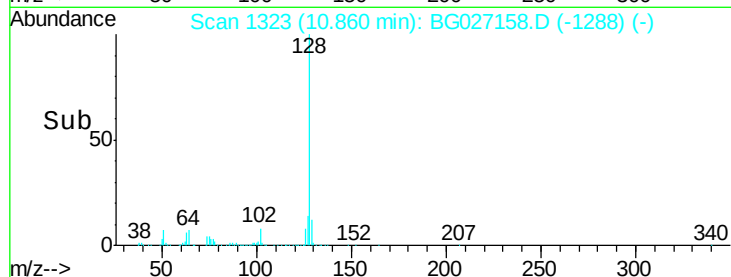
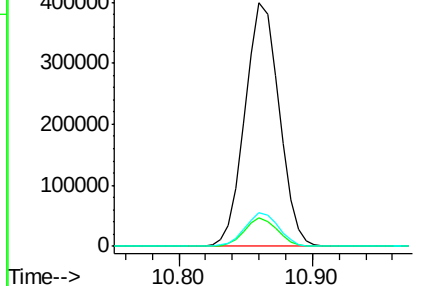
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#4

2-Methylnaphthalene

Concen: 4.71 ng/ul

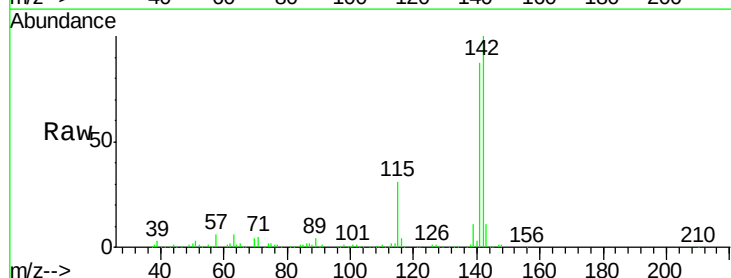
RT: 12.46 min Scan# 1596

Delta R.T. 0.00 min

Lab File: BG027158.D

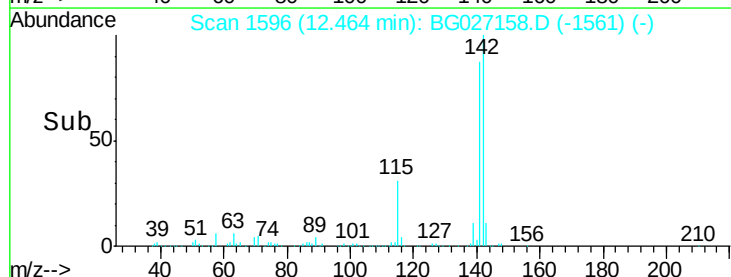
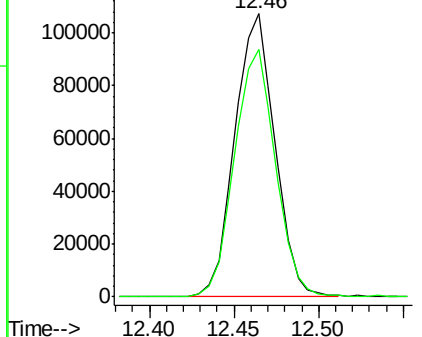
Acq: 25 May 2017 10:33

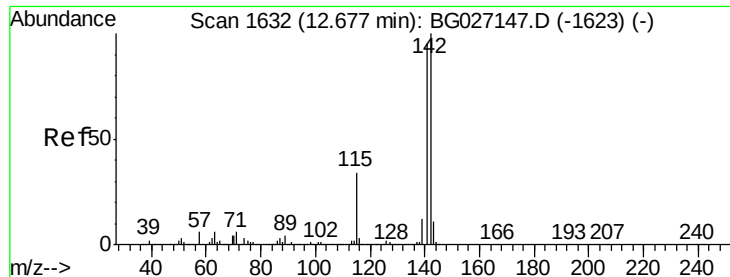
Tgt Ion:	142	Resp:	177000
Ion Ratio	Lower	Upper	
142	100		
141	87.4	72.7	109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 2.93 ng/ul

RT: 12.68 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BG027158.D

Acq: 25 May 2017 10:33

Instrument :

BNA_G

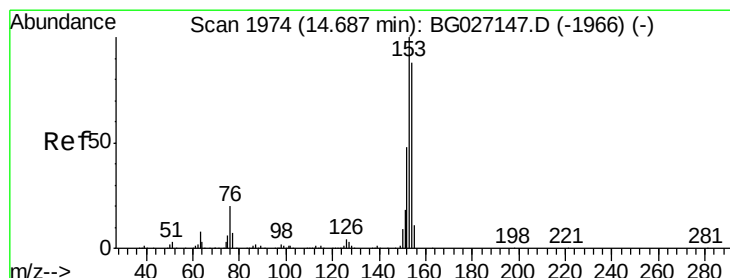
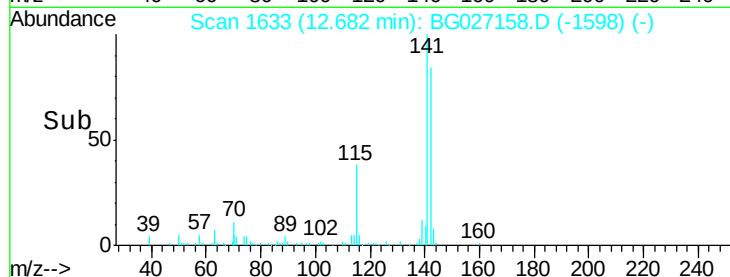
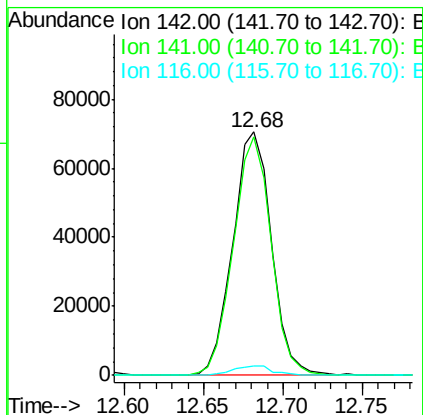
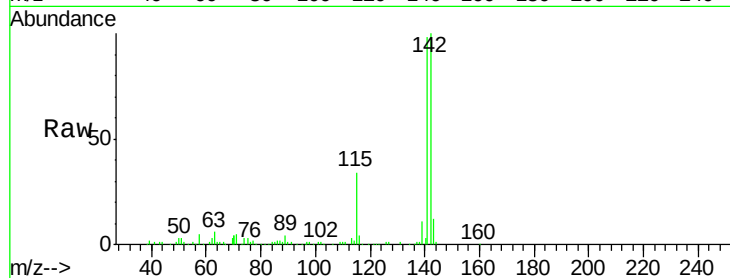
ClientSampleId :

DAC94

Tgt Ion:	142	Resp:	118454
Ion Ratio	Lower	Upper	
142	100		
141	97.8	79.3	118.9
116	3.9	4.2	6.2#

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#9

Acenaphthene

Concen: 10.30 ng/ul

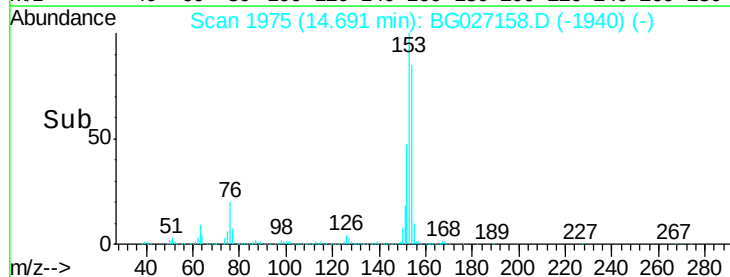
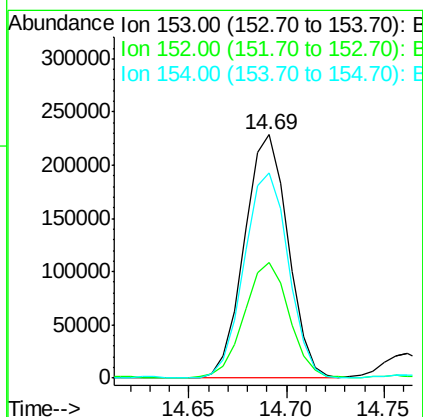
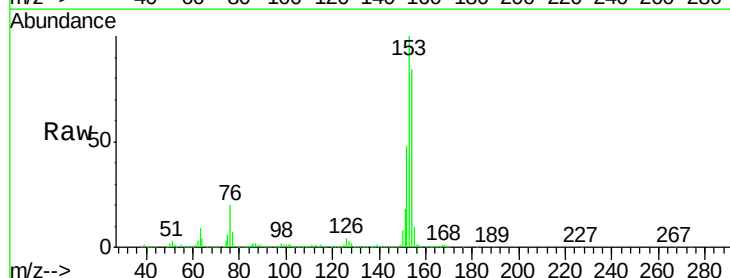
RT: 14.69 min Scan# 1975

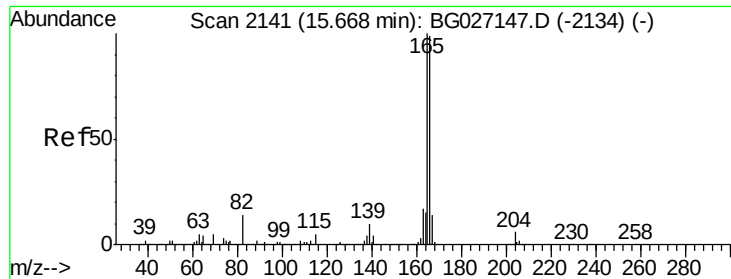
Delta R.T. 0.00 min

Lab File: BG027158.D

Acq: 25 May 2017 10:33

Tgt Ion:	153	Resp:	354227
Ion Ratio	Lower	Upper	
153	100		
152	47.7	39.0	58.6
154	84.5	66.8	100.2





#11

Fluorene

Concen: 11.47 ng/ul

RT: 15.67 min Scan# 2142

Delta R.T. 0.00 min

Lab File: BG027158.D

Acq: 25 May 2017 10:33

Instrument :

BNA_G

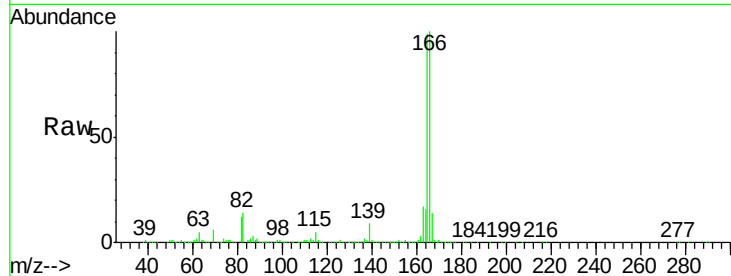
ClientSampleId :

DAC94

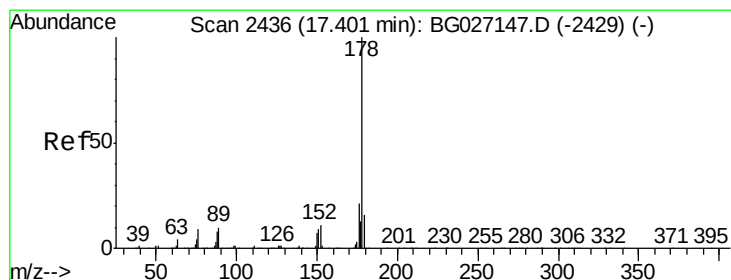
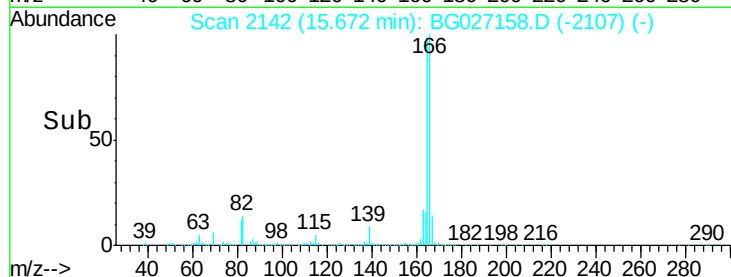
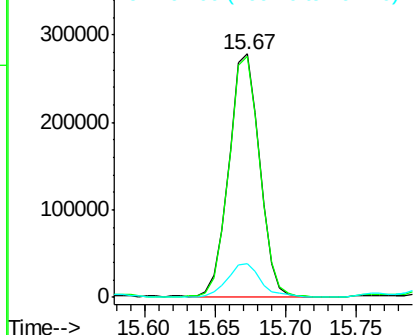
Tgt Ion:	166	Resp:	420266
Ion Ratio	Lower	Upper	
166	100		
165	99.3	83.8	125.8
167	14.0	11.5	17.3

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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#13

Phenanthrene

Concen: 85.09 ng/ul m

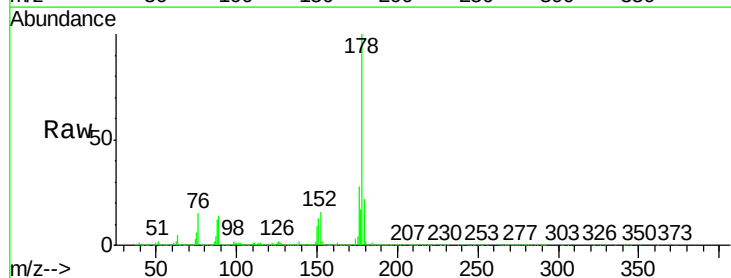
RT: 17.42 min Scan# 2439

Delta R.T. 0.02 min

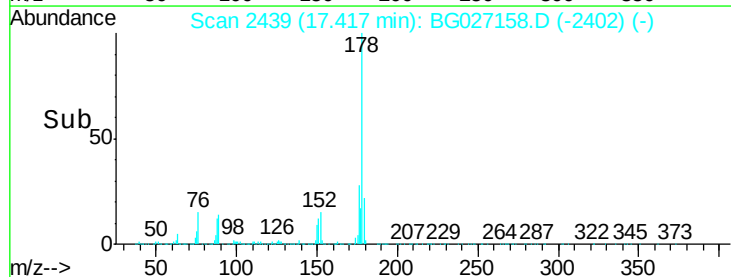
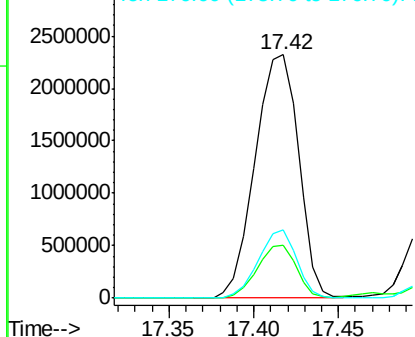
Lab File: BG027158.D

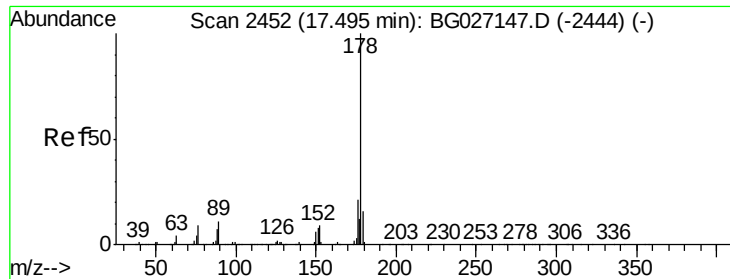
Acq: 25 May 2017 10:33

Tgt Ion:	178	Resp:	4140161
Ion Ratio	Lower	Upper	
178	100		
179	21.7	12.3	18.5#
176	27.8	15.1	22.7#



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





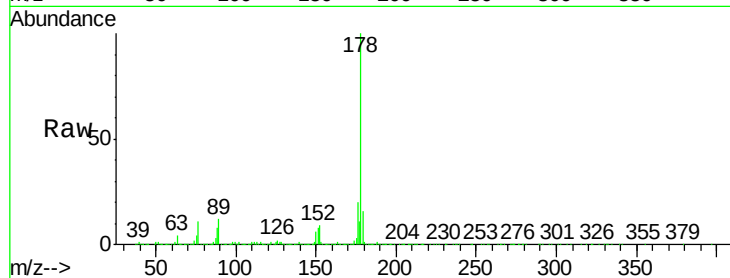
#15
 Anthracene
 Concen: 22.29 ng/ul
 RT: 17.50 min Scan# 2453
 Delta R.T. 0.00 min
 Lab File: BG027158.D
 Acq: 25 May 2017 10:33

Instrument :
 BNA_G
 ClientSampleId :
 DAC94

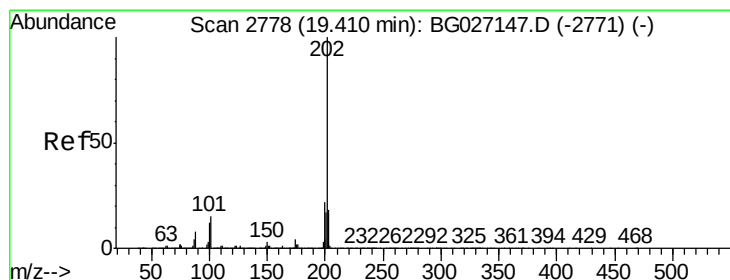
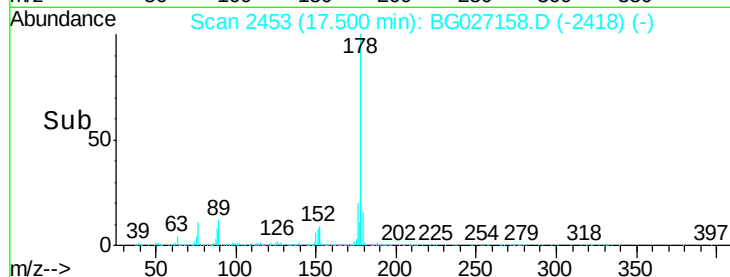
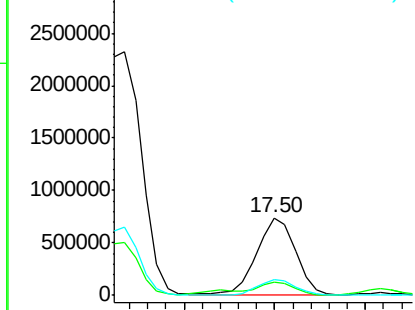
Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.4	11.8	17.8
176	20.1	15.2	22.8

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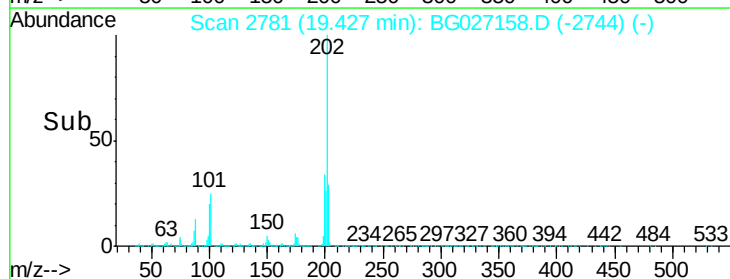
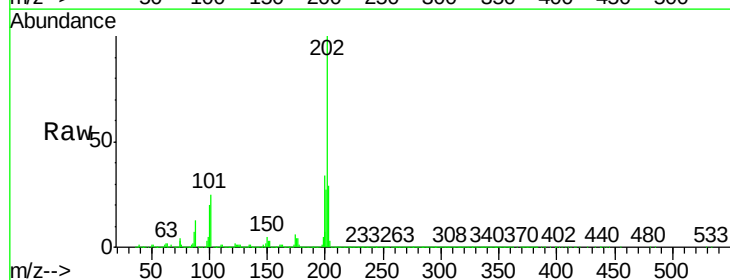
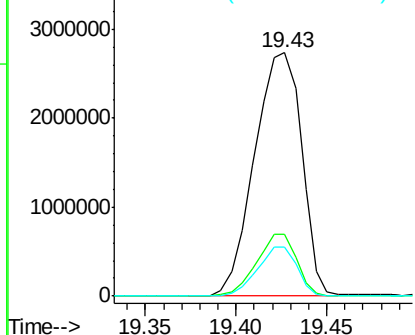
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

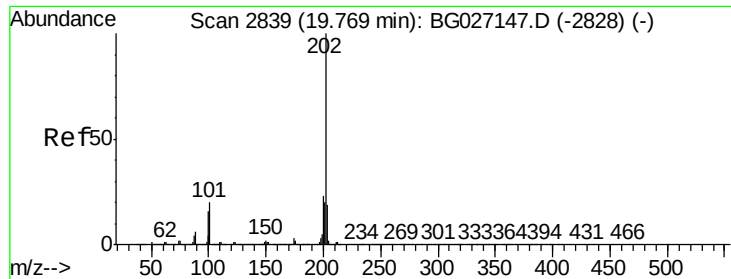


#16
 Fluoranthene
 Concen: 99.41 ng/ul
 RT: 19.43 min Scan# 2781
 Delta R.T. 0.02 min
 Lab File: BG027158.D
 Acq: 25 May 2017 10:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	25.2	9.9	14.9#
100	20.1	7.4	11.0#

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





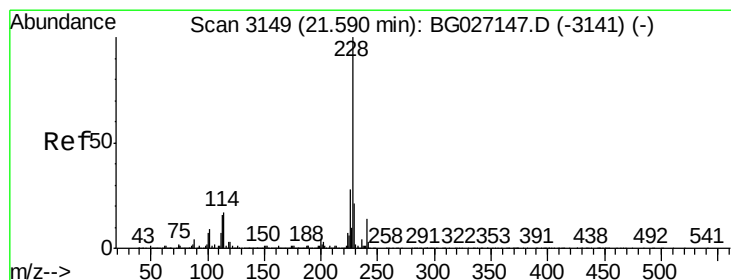
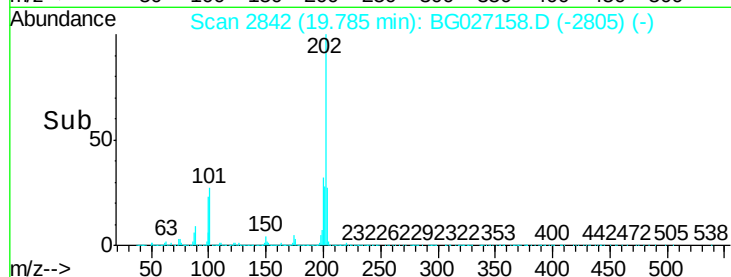
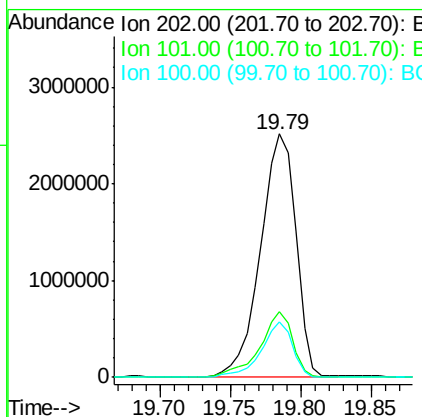
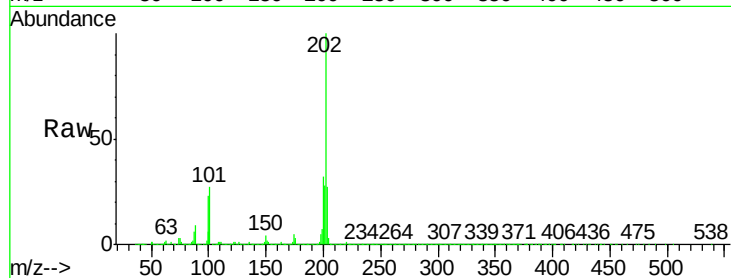
#19
 Pyrene
 Concen: 89.29 ng/ul
 RT: 19.79 min Scan# 2842
 Delta R.T. 0.02 min
 Lab File: BG027158.D
 Acq: 25 May 2017 10:33

Instrument :
 BNA_G
 ClientSampleId :
 DAC94

Tgt Ion	Ratio	Lower	Upper
202	100		
101	26.8	11.0	16.4#
100	22.8	8.1	12.1#

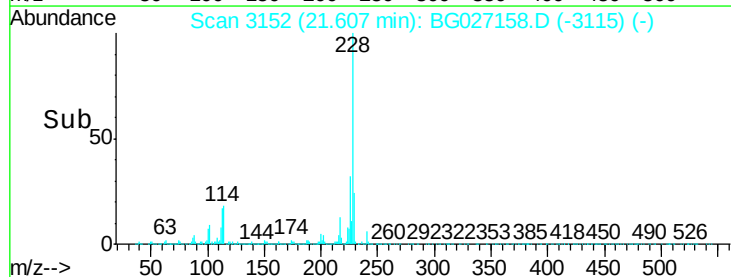
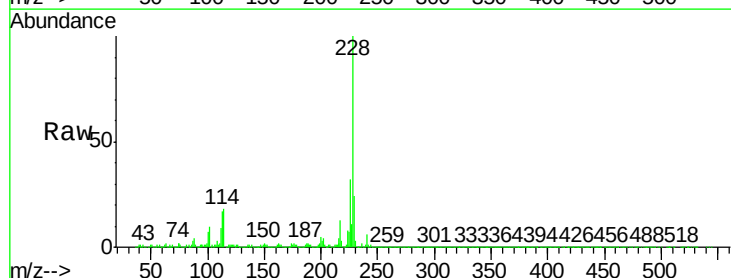
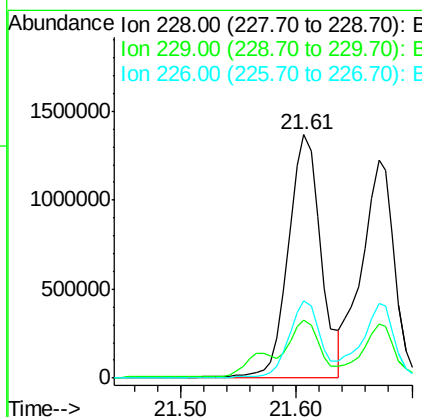
Manual Integrations
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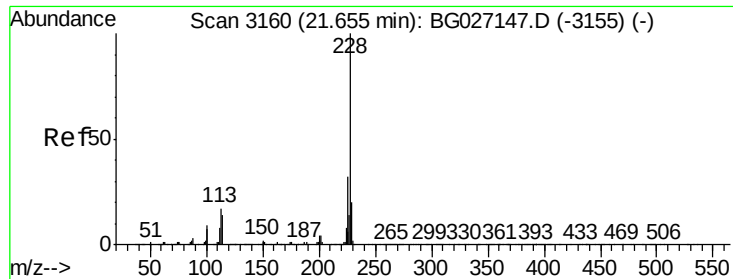
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#20
 Benzo(a)anthracene
 Concen: 58.26 ng/ul
 RT: 21.61 min Scan# 3152
 Delta R.T. 0.02 min
 Lab File: BG027158.D
 Acq: 25 May 2017 10:33

Tgt Ion	Ratio	Lower	Upper
228	100		
229	24.0	15.7	23.5#
226	31.9	21.1	31.7#





#21

Chrysene

Concen: 57.06 ng/ul

RT: 21.67 min Scan# 3163

Delta R.T. 0.02 min

Lab File: BG027158.D

Acq: 25 May 2017 10:33

Instrument :

BNA_G

ClientSampleId :

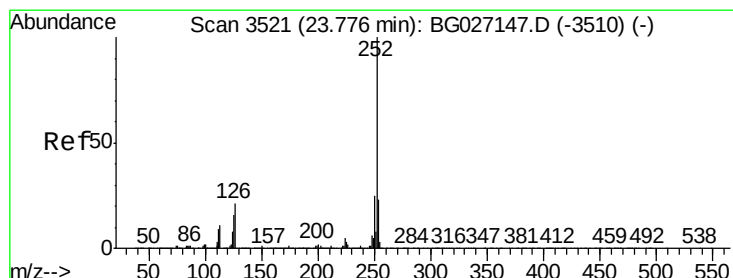
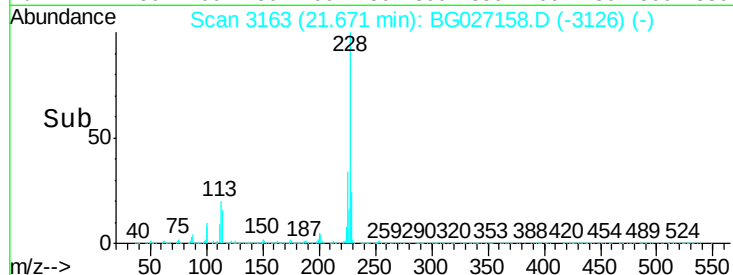
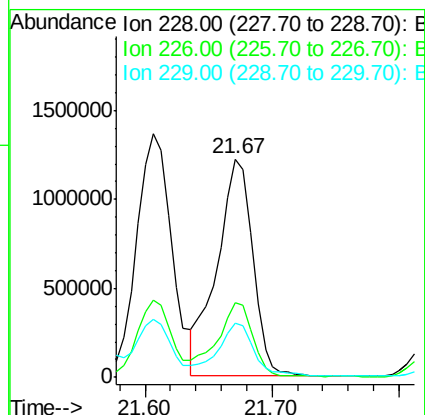
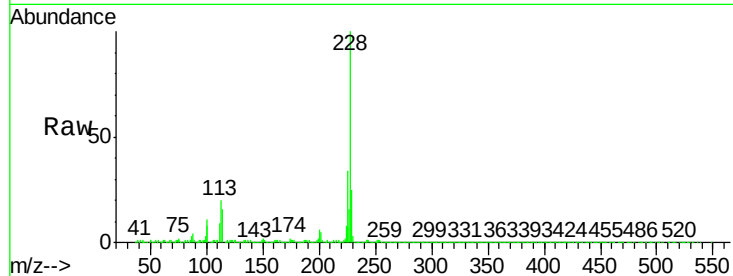
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Tgt Ion:228 Resp: 2396950

Ion	Ratio	Lower	Upper
228	100		
226	33.9	24.5	36.7
229	25.0	15.8	23.8

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#23

Benzo(b)fluoranthene

Concen: 83.23 ng/ul

RT: 23.82 min Scan# 3528

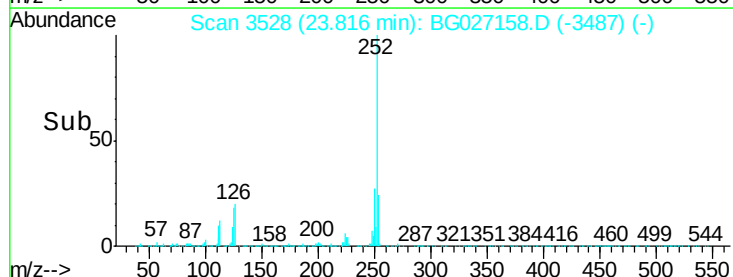
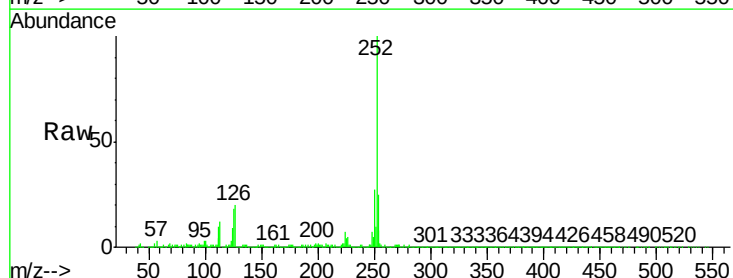
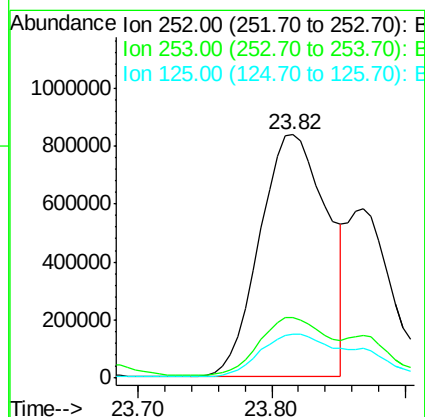
Delta R.T. 0.04 min

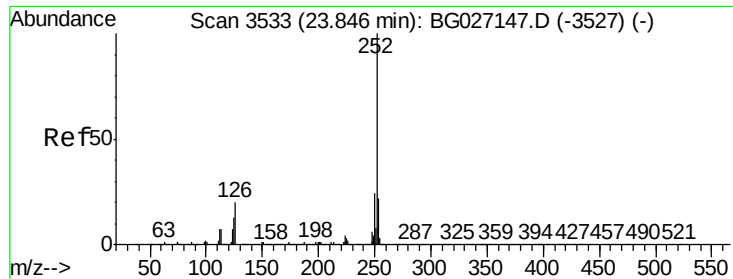
Lab File: BG027158.D

Acq: 25 May 2017 10:33

Tgt Ion:252 Resp: 2931362

Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.0	27.0
125	18.2	8.0	12.0





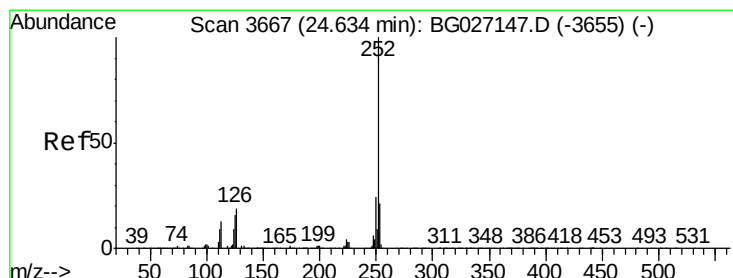
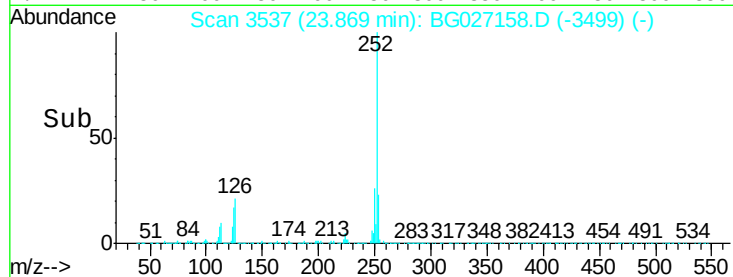
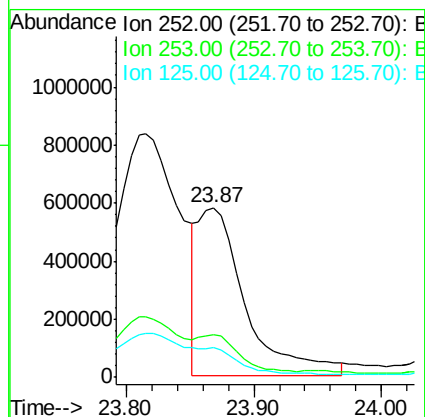
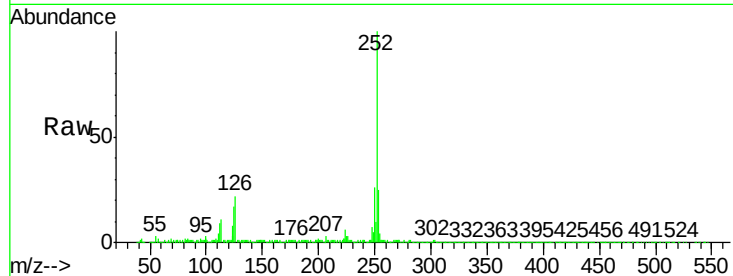
#24
Benzo(k)fluoranthene
Concen: 41.78 ng/ul m
RT: 23.87 min Scan# 3537
Delta R.T. 0.02 min
Lab File: BG027158.D
Acq: 25 May 2017 10:33

Instrument :
BNA_G
ClientSampleId :
DAC94

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.0	27.0
125	17.4	8.1	12.1#

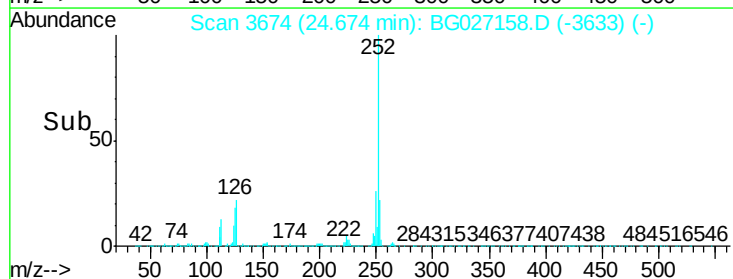
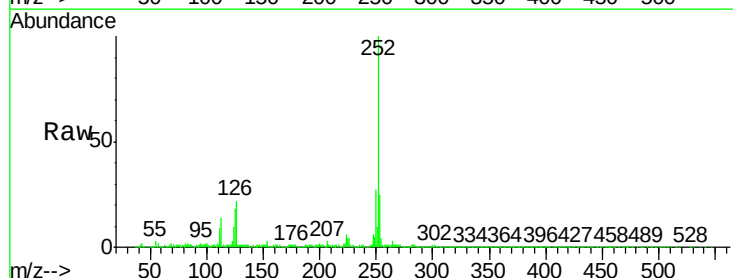
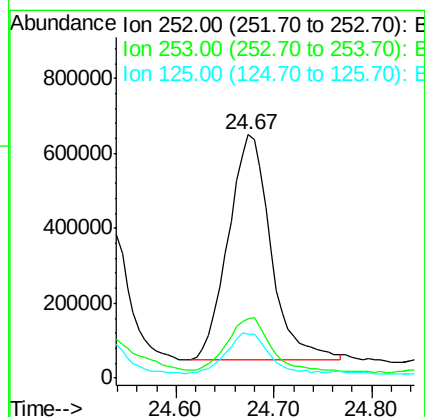
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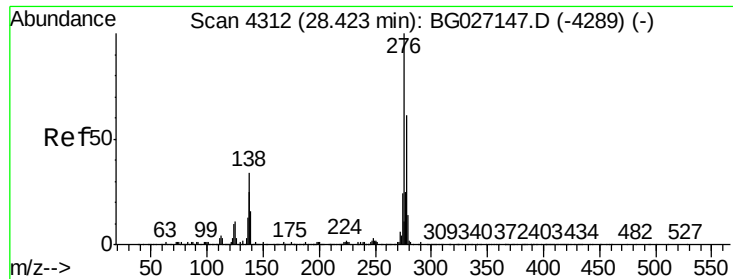
mohammad
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#26
Benzo(a)pyrene
Concen: 52.71 ng/ul
RT: 24.67 min Scan# 3674
Delta R.T. 0.04 min
Lab File: BG027158.D
Acq: 25 May 2017 10:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.2	25.8
125	18.2	8.2	12.4#





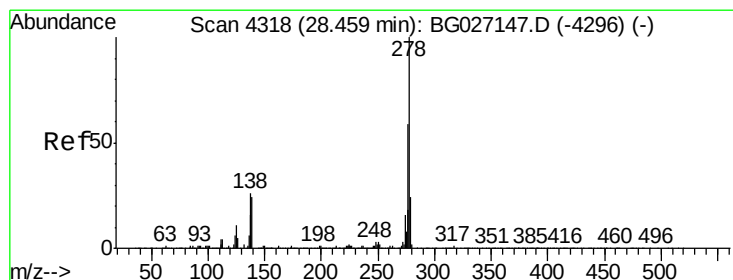
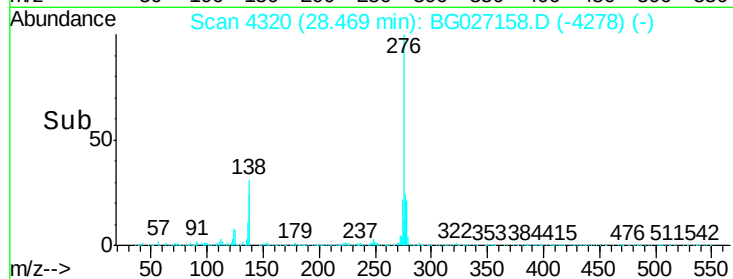
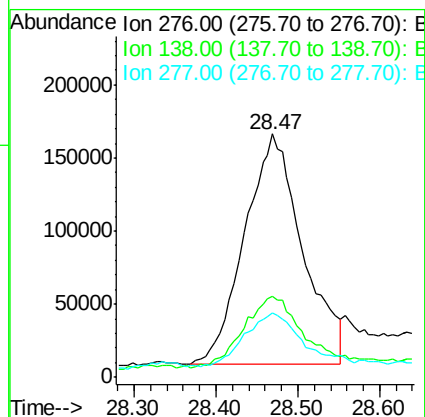
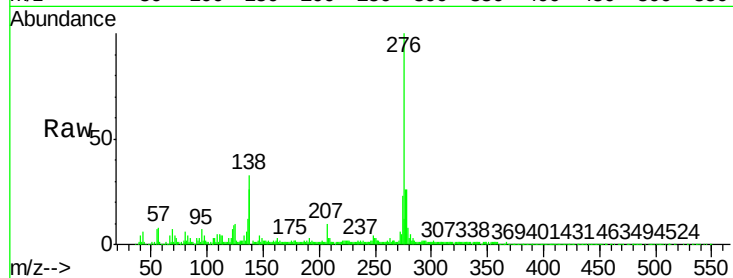
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 24.45 ng/ul
 RT: 28.47 min Scan# 4320
 Delta R.T. 0.05 min
 Lab File: BG027158.D
 Acq: 25 May 2017 10:33

Instrument :
 BNA_G
 ClientSampleId :
 DAC94

Tgt Ion	Ratio	Lower	Upper
276	100		
138	33.3	14.4	21.6#
277	26.4	18.0	27.0

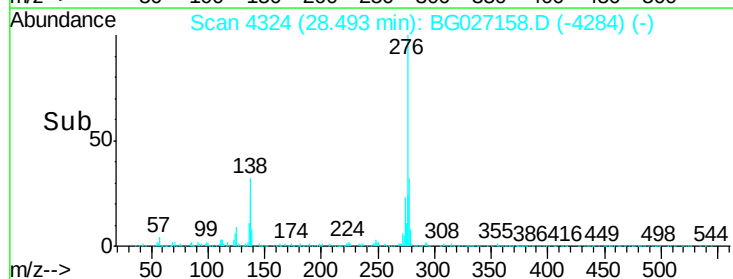
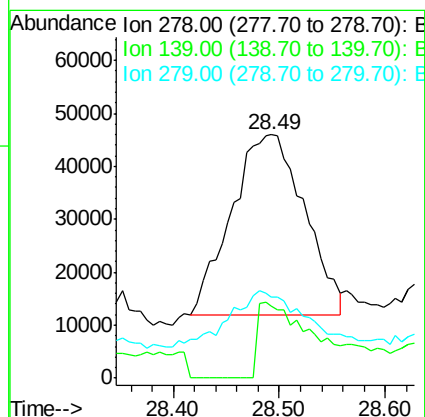
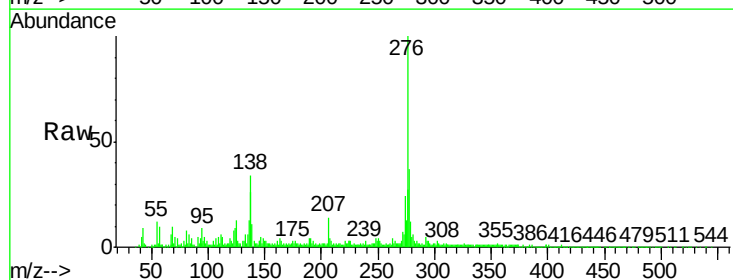
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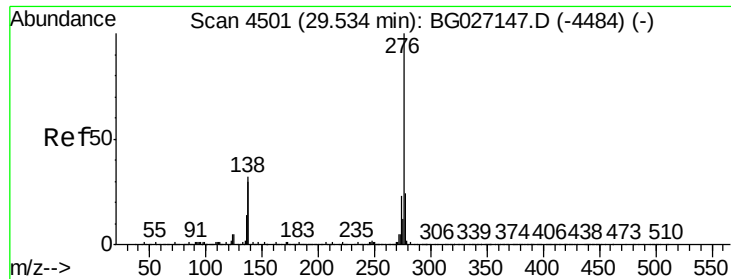
mohammad
 5/26/2017 11:56:09 AM



#28
 Dibenzo(a,h)anthracene
 Concen: 5.94 ng/ul
 RT: 28.49 min Scan# 4324
 Delta R.T. 0.03 min
 Lab File: BG027158.D
 Acq: 25 May 2017 10:33

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.8	12.2	18.4#
279	33.2	19.2	28.8#





#29

Benzo(g,h,i)perylene

Concen: 23.69 ng/ul m

RT: 29.61 min Scan# 4514

Delta R.T. 0.08 min

Lab File: BG027158.D

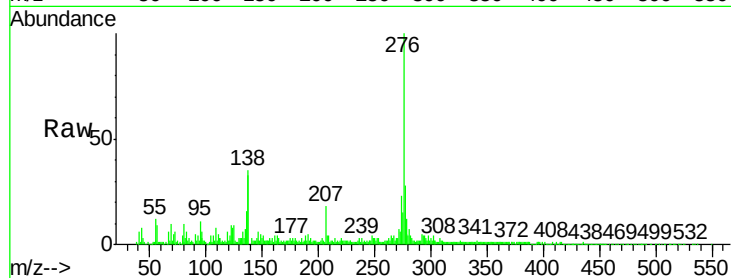
Acq: 25 May 2017 10:33

Instrument :

BNA_G

ClientSampleId :

DAC94



Tgt	Ion	Ratio	Lower	Upper
276	100			
138	35.2	15.3	22.9#	
277	27.6	19.0	28.4	

Manual Integrations
APPROVED

mohammad
5/26/2017 11:56:09 AM

