Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052617\
Data File : BG027161.D
Acq On : 25 May 2017 12:31
Operator : SJ/MA
Sample : I3276-19
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DAC93

Manual Integrations APPROVED
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5/26/2017 11:56:20 AM

Quant Time: May 25 13:23:32 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	170937	20.00	ng/ul	0.00
2) Naphthalene-d8	10.81	136	772884	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.63	164	376484	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.37	188	687968	20.00	ng/ul	0.01
17) Chrysene-d12	21.63	240	607304	20.00	ng/ul	0.02
22) Perylene-d12	24.82	264	449770	20.00	ng/ul	0.04
System Monitoring Compounds						
7) Acenaphthylene-d8	14.32	160	878037	22.74	ng/ul	0.00
10) Fluorene-d10	15.61	176	552467	21.44	ng/ul	0.00
14) Anthracene-d10	17.47	188	760740m	22.68	ng/ul	0.00
18) Pyrene-d10	19.75	212	730717	23.04	ng/ul	0.01
25) Benzo(a)pyrene-d12	24.60	264	512725	22.94	ng/ul	0.03
Target Compounds						Qvalue
3) Naphthalene	10.86	128	213365	5.32	ng/ul	99
4) 2-Methylnaphthalene	12.47	142	58839	1.98	ng/ul	99
5) 1-Methylnaphthalene	12.68	142	43113	1.35	ng/ul#	93
9) Acenaphthene	14.69	153	153694	5.78	ng/ul	97
11) Fluorene	15.67	166	168406	5.95	ng/ul	93
13) Phenanthrene	17.41	178	2409282m	62.65	ng/ul	
15) Anthracene	17.50	178	577775	14.62	ng/ul	98
16) Fluoranthene	19.42	202	3542521	90.10	ng/ul#	78
19) Pyrene	19.79	202	3107020	78.28	ng/ul#	79
20) Benzo(a)anthracene	21.61	228	1701588	46.50	ng/ul	93
21) Chrysene	21.67	228	1636872m	48.73	ng/ul	
23) Benzo(b)fluoranthene	23.81	252	1978758	74.02	ng/ul#	92
24) Benzo(k)fluoranthene	23.86	252	904591m	32.90	ng/ul	
26) Benzo(a)pyrene	24.67	252	1154664	44.15	ng/ul#	89
27) Indeno(1,2,3-cd)pyrene	28.46	276	530607	22.06	ng/ul#	79
28) Dibenzo(a,h)anthracene	28.49	278	113736	5.48	ng/ul#	78
29) Benzo(g,h,i)perylene	29.60	276	303847	15.88	ng/ul#	80

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

Quantitation Report (QT Reviewed)

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Response via : Initial Calibration

Instrument :
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ClientSampleId :
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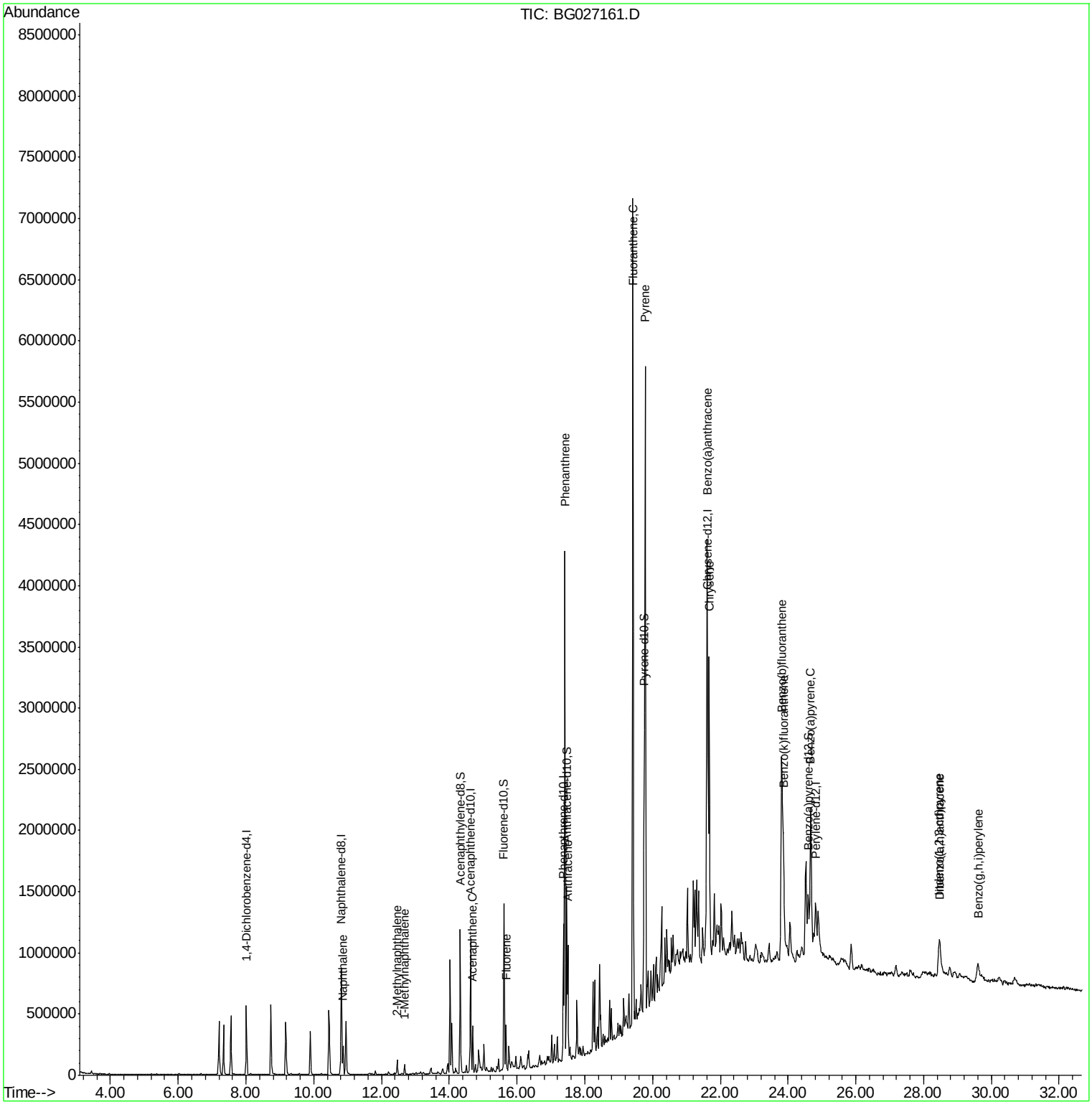
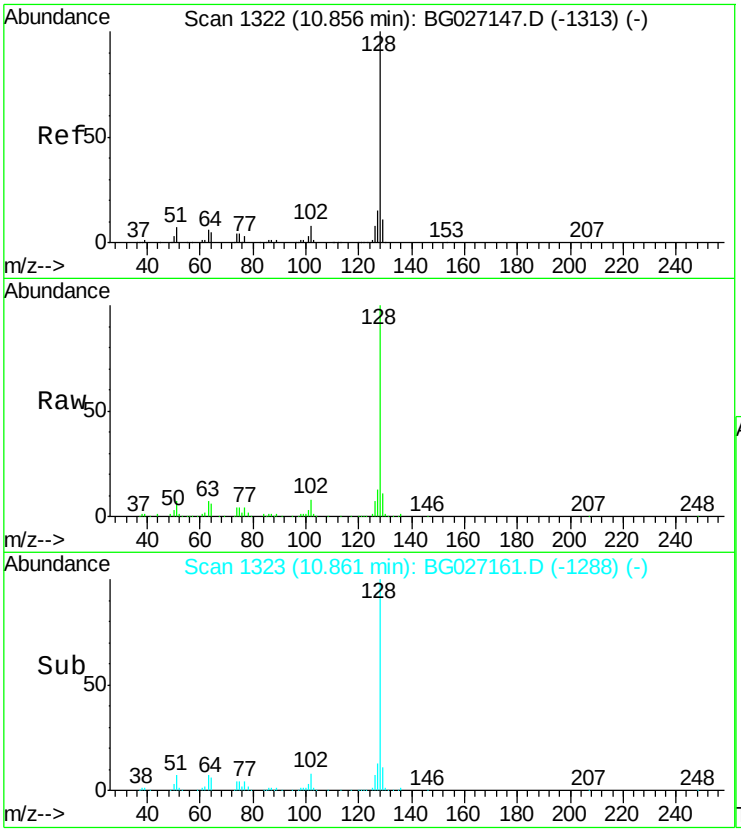
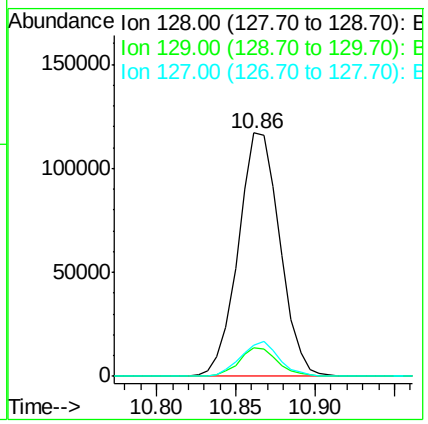




#3
Naphthalene
Concen: 5.32 ng/ul
RT: 10.86 min Scan# 1323
Delta R.T. 0.01 min
Lab File: BG027161.D
Acq: 25 May 2017 12:31

Tgt Ion:128 Resp: 213365

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.7	13.1
127	12.9	10.6	16.0



Instrument :
BNA_G
ClientSampleId :
DAC93

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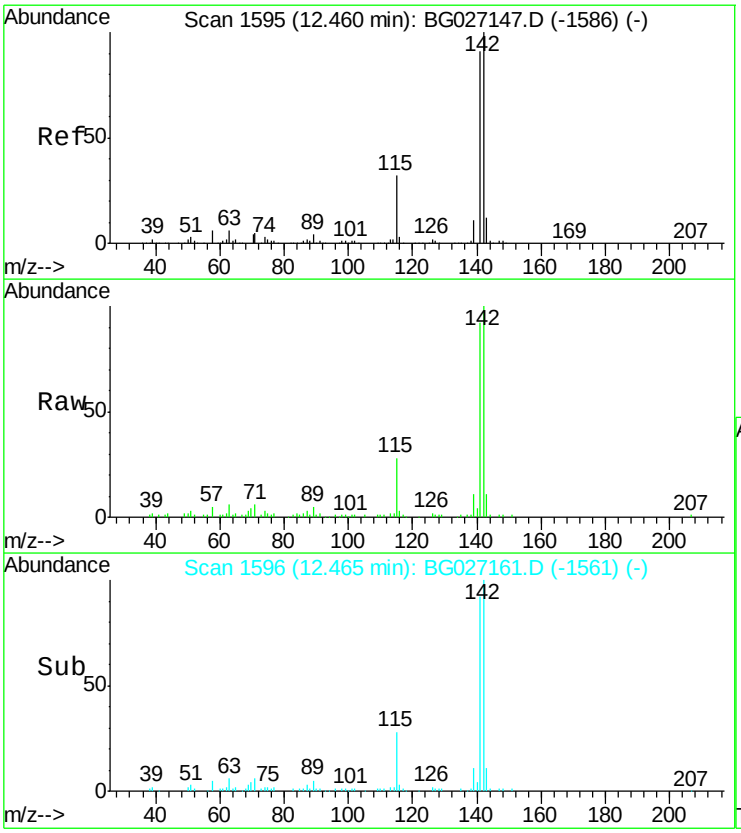
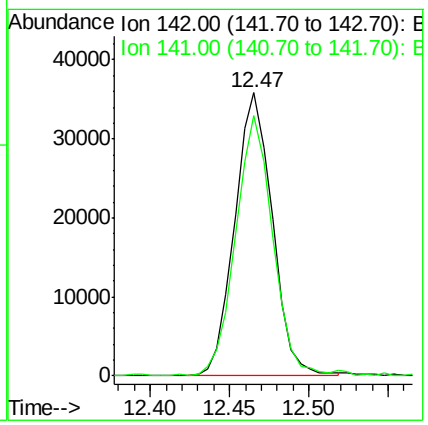
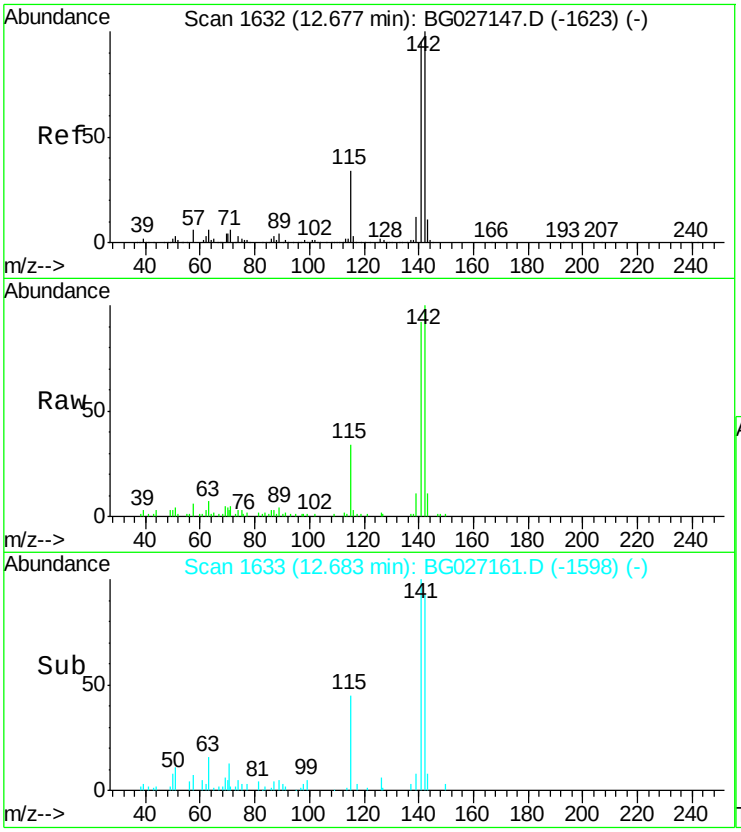


#4
2-Methylnaphthalene
Concen: 1.98 ng/ul
RT: 12.47 min Scan# 1596
Delta R.T. 0.01 min
Lab File: BG027161.D
Acq: 25 May 2017 12:31

Tgt Ion:142 Resp: 58839

Ion	Ratio	Lower	Upper
142	100		
141	92.2	72.7	109.1

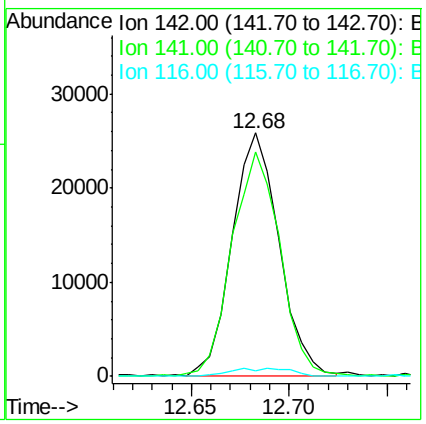




#5
1-Methylnaphthalene
Concen: 1.35 ng/ul
RT: 12.68 min Scan# 1633
Delta R.T. 0.01 min
Lab File: BG027161.D
Acq: 25 May 2017 12:31

Tgt Ion:142 Resp: 43113

Ion	Ratio	Lower	Upper
142	100		
141	92.3	79.3	118.9
116	2.5	4.2	6.2#



Instrument :
BNA_G
ClientSampleId :
DAC93

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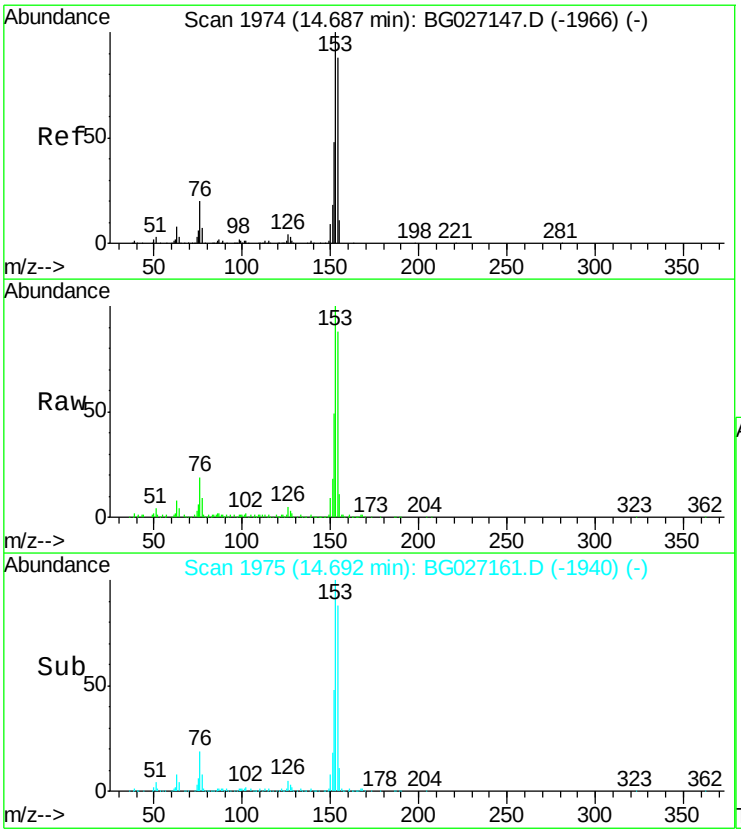
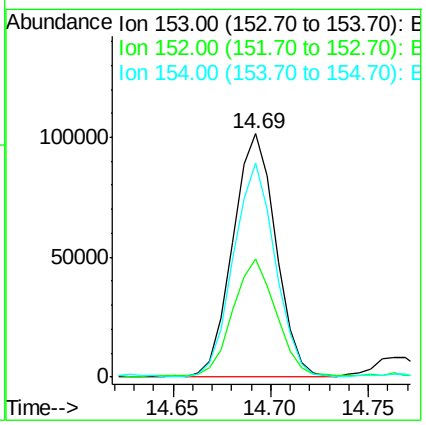
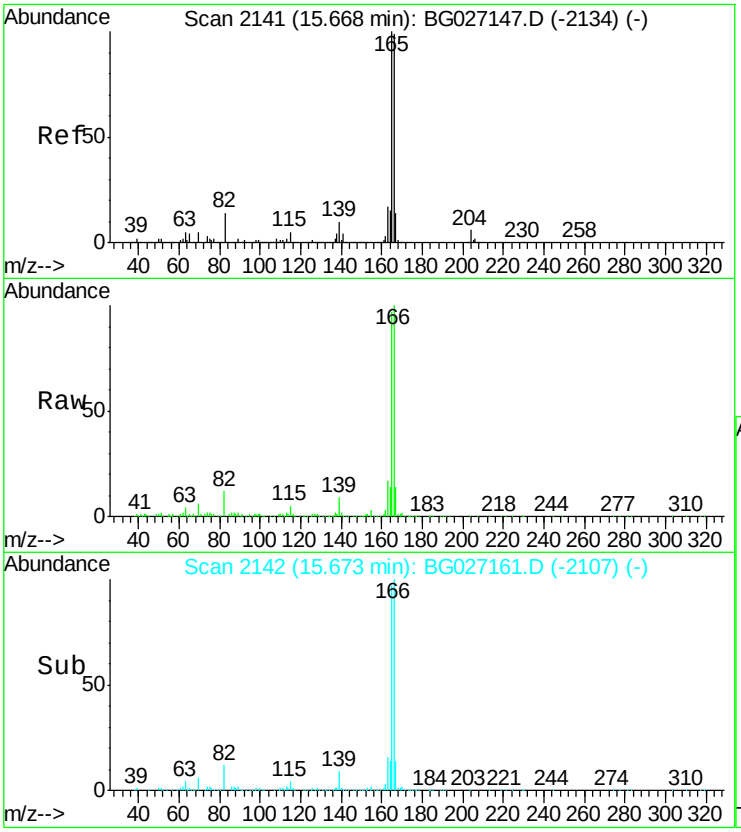


#9
Acenaphthene
Concen: 5.78 ng/ul
RT: 14.69 min Scan# 1975
Delta R.T. 0.01 min
Lab File: BG027161.D
Acq: 25 May 2017 12:31

Tgt Ion:153 Resp: 153694

Ion	Ratio	Lower	Upper
153	100		
152	48.8	39.0	58.6
154	87.8	66.8	100.2

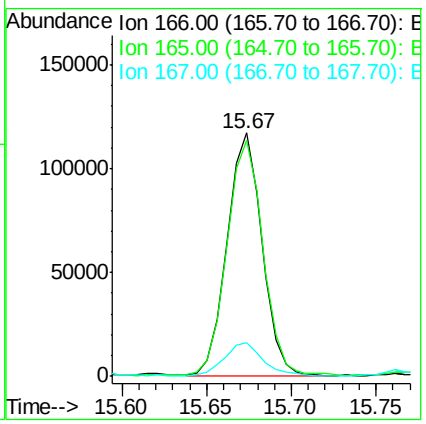




#11
Fluorene
Concen: 5.95 ng/ul
RT: 15.67 min Scan# 2142
Delta R.T. 0.01 min
Lab File: BG027161.D
Acq: 25 May 2017 12:31

Tgt Ion:166 Resp: 168406

Ion	Ratio	Lower	Upper
166	100		
165	97.0	83.8	125.8
167	13.9	11.5	17.3



Instrument :
BNA_G
ClientSampleId :
DAC93

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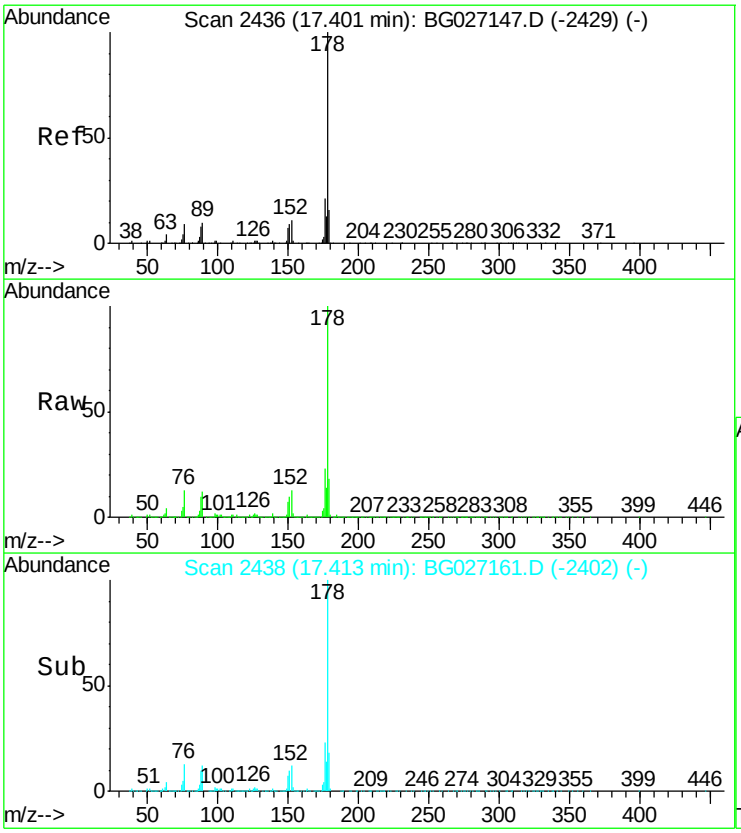
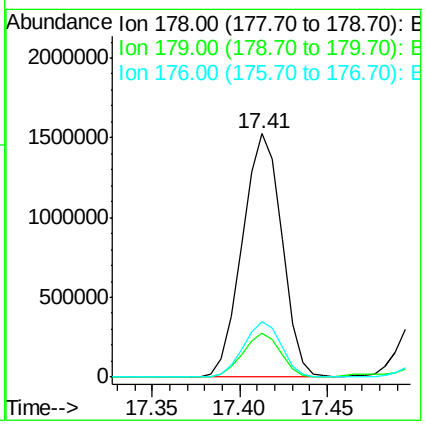
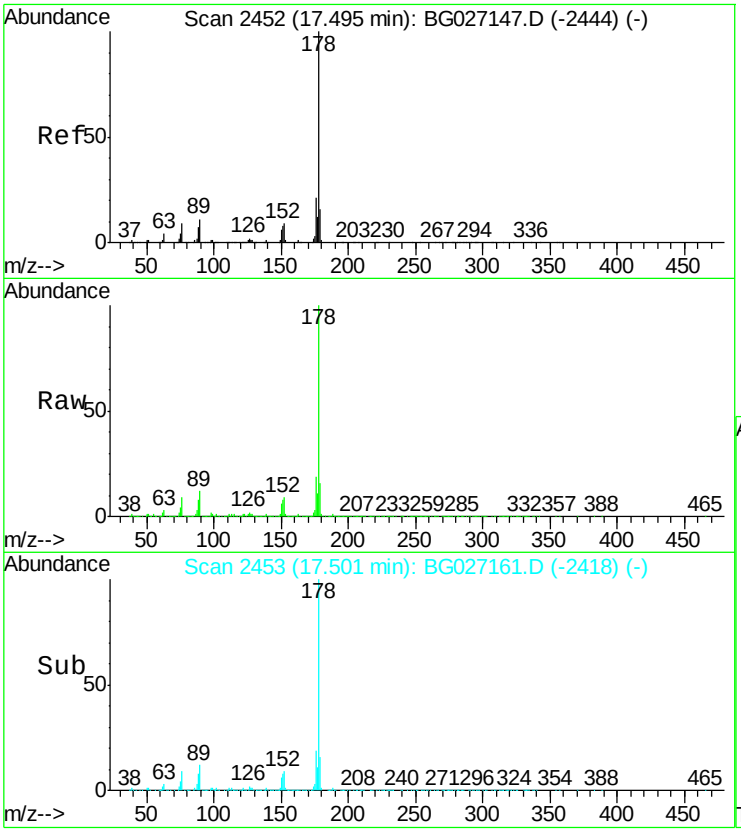


#13
Phenanthrene
Concen: 62.65 ng/ul m
RT: 17.41 min Scan# 2438
Delta R.T. 0.01 min
Lab File: BG027161.D
Acq: 25 May 2017 12:31

Tgt Ion:178 Resp: 2409282

Ion	Ratio	Lower	Upper
178	100		
179	18.2	12.3	18.5
176	22.9	15.1	22.7#

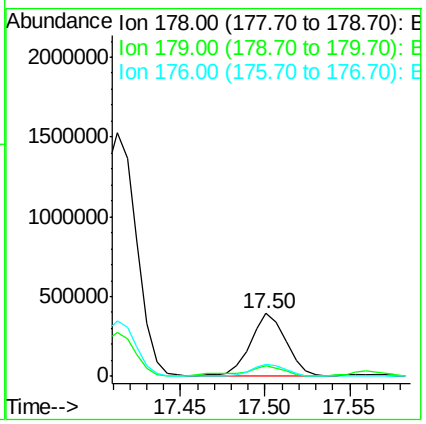




#15
Anthracene
Concen: 14.62 ng/ul
RT: 17.50 min Scan# 2453
Delta R.T. 0.01 min
Lab File: BG027161.D
Acq: 25 May 2017 12:31

Tgt Ion:178 Resp: 577775

Ion	Ratio	Lower	Upper
178	100		
179	16.1	11.8	17.8
176	19.4	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
DAC93

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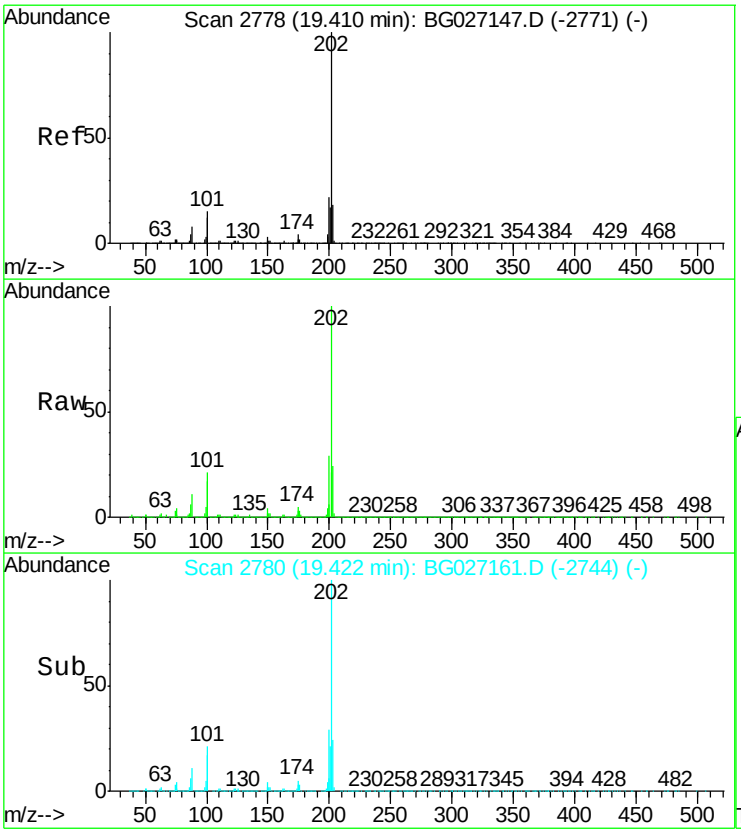
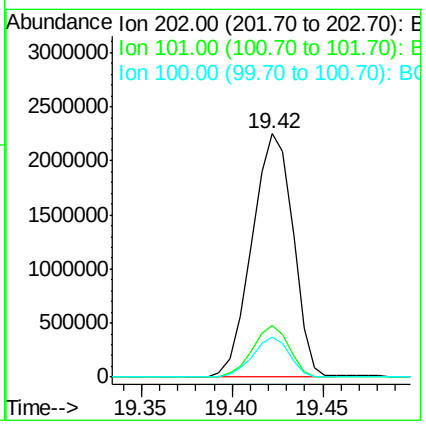
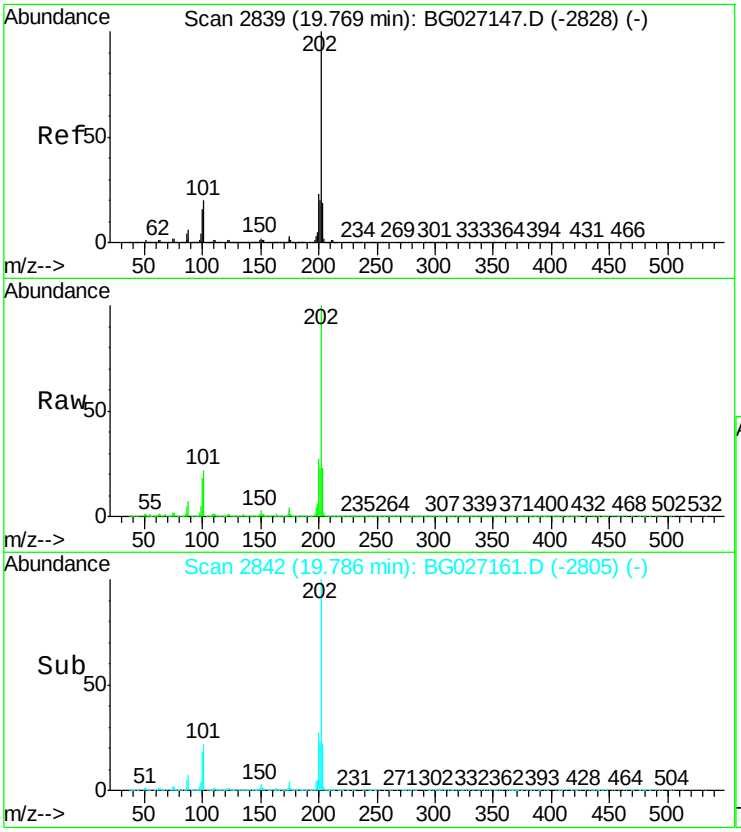


#16
Fluoranthene
Concen: 90.10 ng/ul
RT: 19.42 min Scan# 2780
Delta R.T. 0.01 min
Lab File: BG027161.D
Acq: 25 May 2017 12:31

Tgt Ion:202 Resp: 3542521

Ion	Ratio	Lower	Upper
202	100		
101	21.3	9.9	14.9#
100	16.7	7.4	11.0#

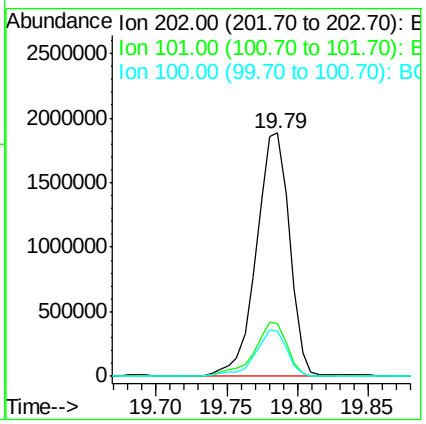




#19
Pyrene
Concen: 78.28 ng/ul
RT: 19.79 min Scan# 2842
Delta R.T. 0.02 min
Lab File: BG027161.D
Acq: 25 May 2017 12:31

Tgt Ion:202 Resp: 3107020

Ion	Ratio	Lower	Upper
202	100		
101	21.8	11.0	16.4#
100	18.4	8.1	12.1#



Instrument :
BNA_G
ClientSampleId :
DAC93

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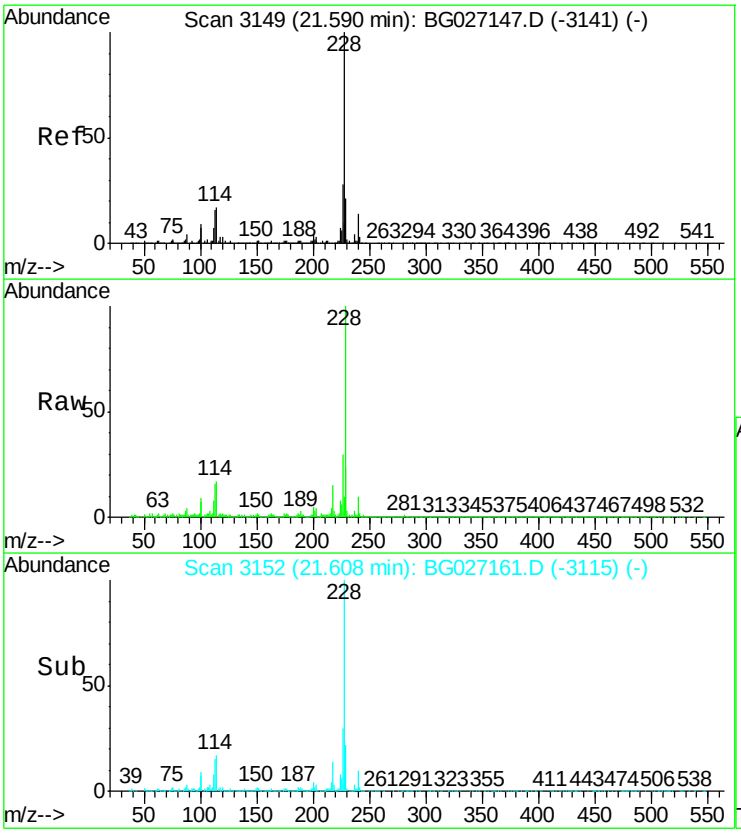
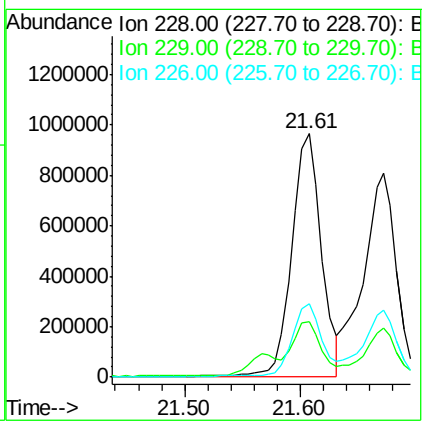
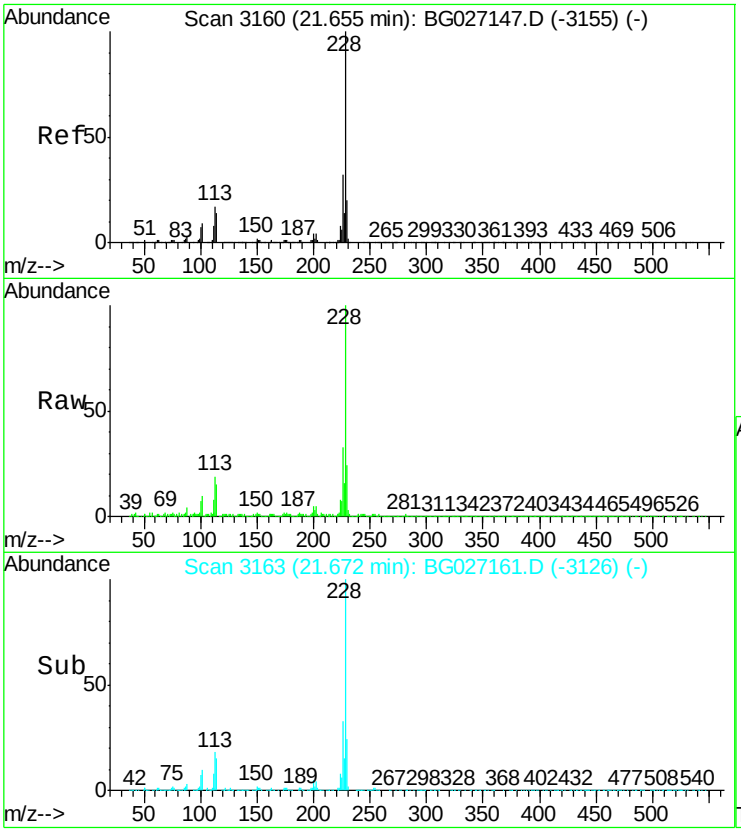


#20
Benzo(a)anthracene
Concen: 46.50 ng/ul
RT: 21.61 min Scan# 3152
Delta R.T. 0.02 min
Lab File: BG027161.D
Acq: 25 May 2017 12:31

Tgt Ion:228 Resp: 1701588

Ion	Ratio	Lower	Upper
228	100		
229	22.7	15.7	23.5
226	30.1	21.1	31.7





#21
Chrysene
Concen: 48.73 ng/ul m
RT: 21.67 min Scan# 3163
Delta R.T. 0.02 min
Lab File: BG027161.D
Acq: 25 May 2017 12:31

Tgt Ion:228 Resp: 1636872

Ion	Ratio	Lower	Upper
228	100		
226	33.1	24.5	36.7
229	24.0	15.8	23.8#

Instrument :
BNA_G
ClientSampleId :
DAC93

Manual Integrations APPROVED
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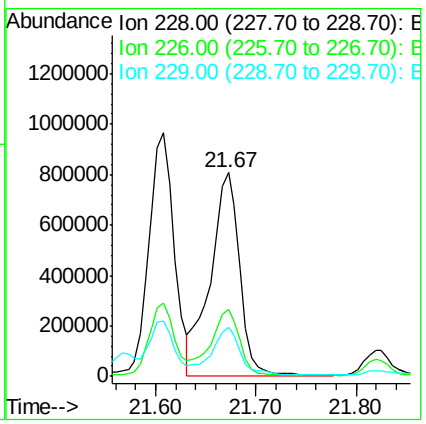
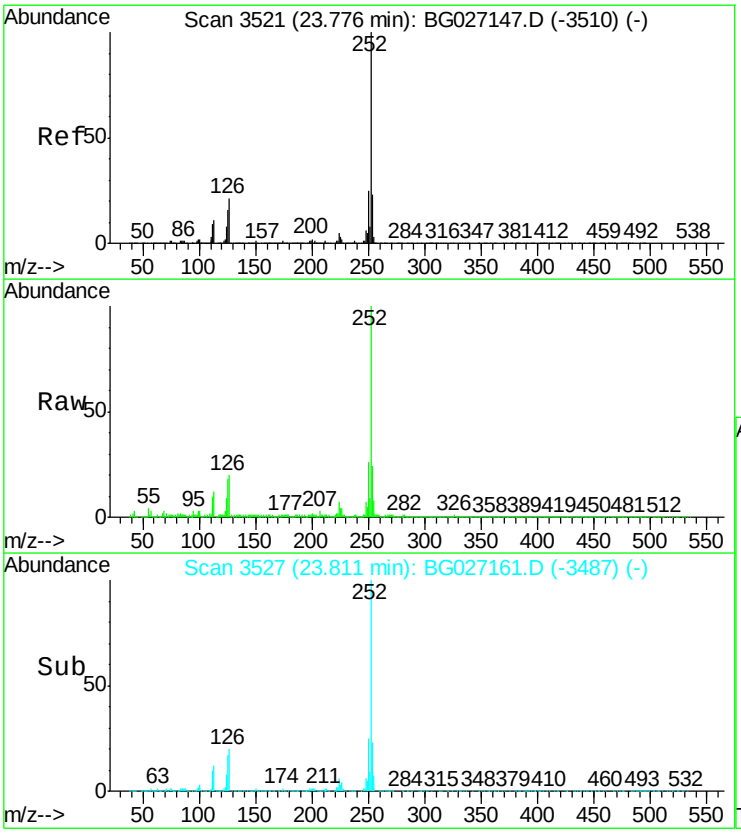
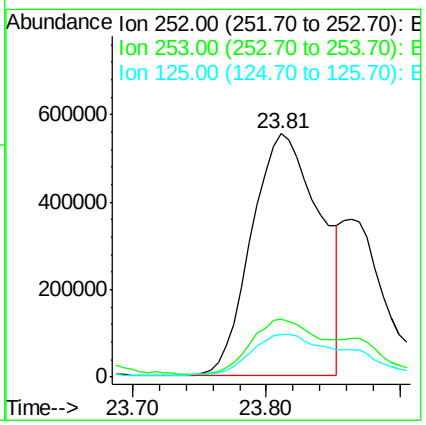


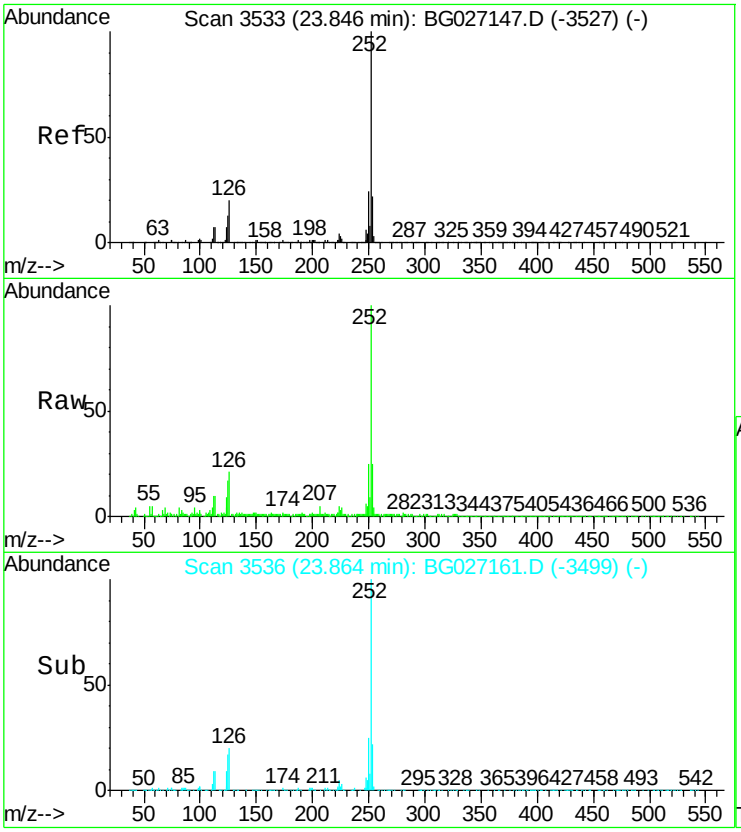


#23
Benzo(b)fluoranthene
Concen: 74.02 ng/ul
RT: 23.81 min Scan# 3527
Delta R.T. 0.04 min
Lab File: BG027161.D
Acq: 25 May 2017 12:31

Tgt Ion:252 Resp: 1978758

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	17.8	8.0	12.0#

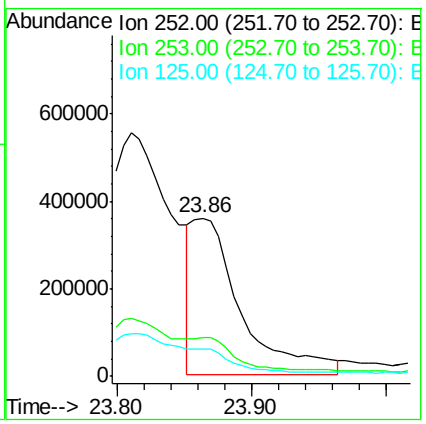




#24
Benzo(k)fluoranthene
Concen: 32.90 ng/ul m
RT: 23.86 min Scan# 3536
Delta R.T. 0.02 min
Lab File: BG027161.D
Acq: 25 May 2017 12:31

Tgt Ion:252 Resp: 904591

Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.0	27.0
125	17.4	8.1	12.1#



Instrument :
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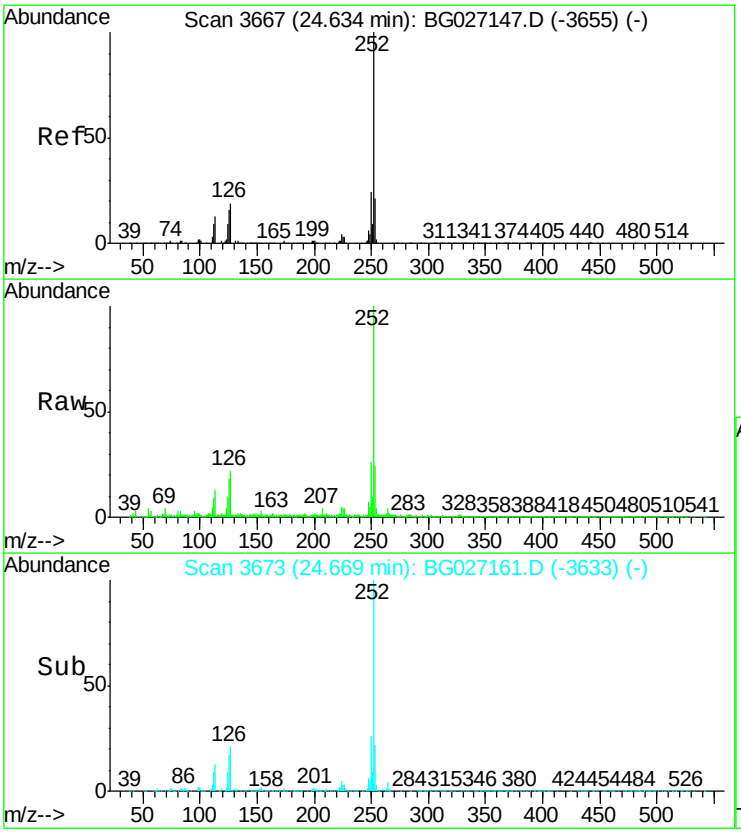
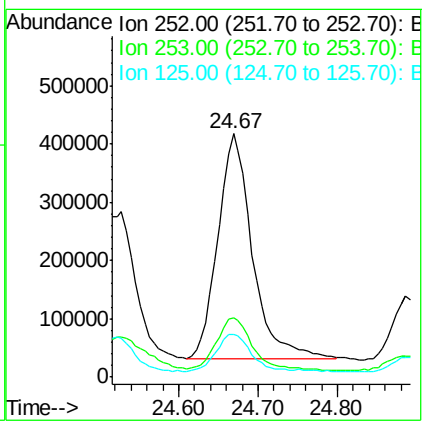
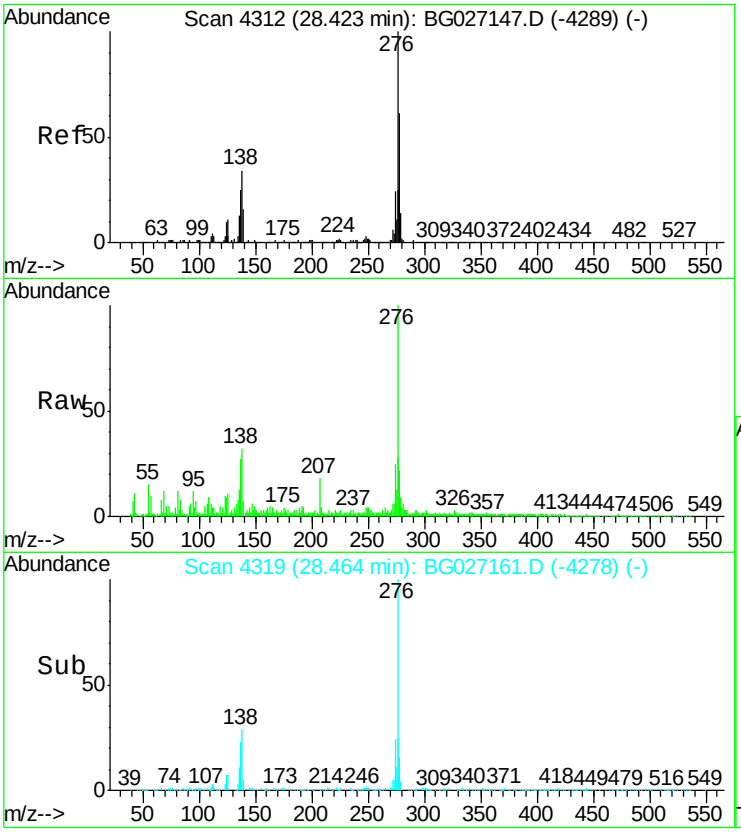


#26
Benzo(a)pyrene
Concen: 44.15 ng/ul
RT: 24.67 min Scan# 3673
Delta R.T. 0.04 min
Lab File: BG027161.D
Acq: 25 May 2017 12:31

Tgt Ion:252 Resp: 1154664

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.2	25.8
125	17.8	8.2	12.4#





#27
Indeno(1,2,3-cd)pyrene
Concen: 22.06 ng/ul
RT: 28.46 min Scan# 4319
Delta R.T. 0.04 min
Lab File: BG027161.D
Acq: 25 May 2017 12:31

Tgt Ion:276 Resp: 530607

Ion	Ratio	Lower	Upper
276	100		
138	32.4	14.4	21.6#
277	28.2	18.0	27.0#

Instrument :
BNA_G
ClientSampleId :
DAC93

Manual Integrations APPROVED
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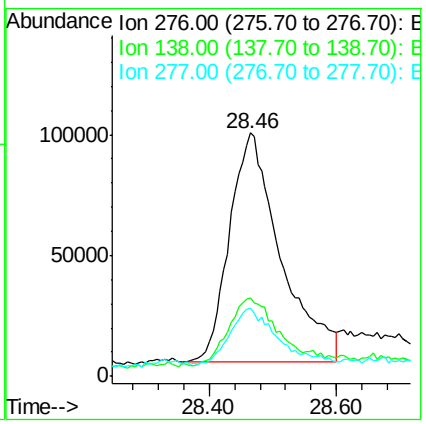
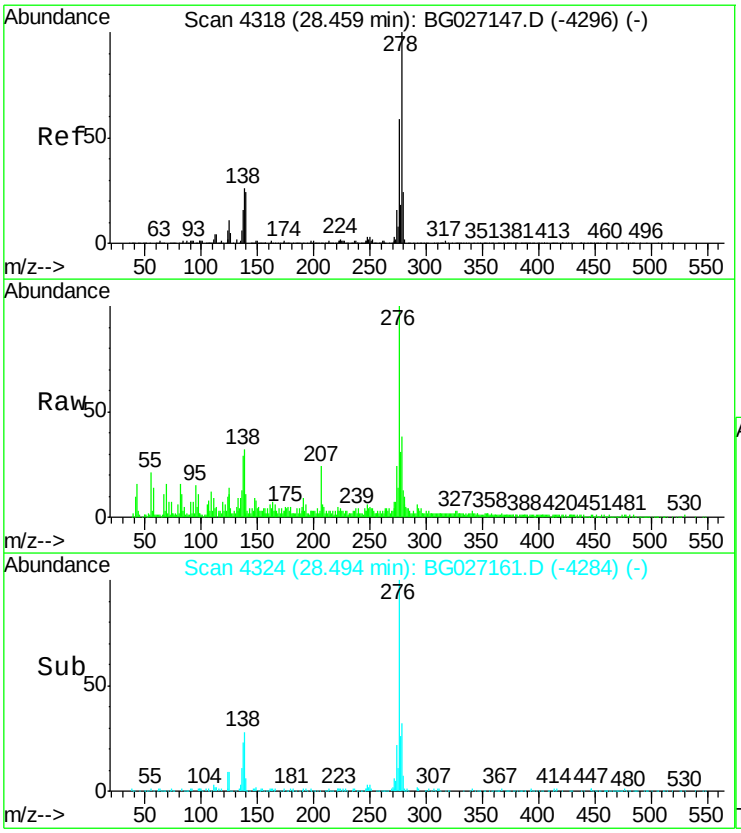
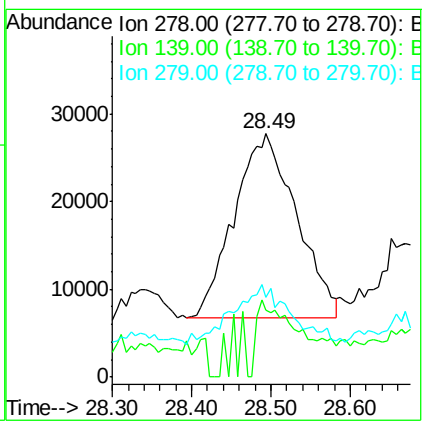


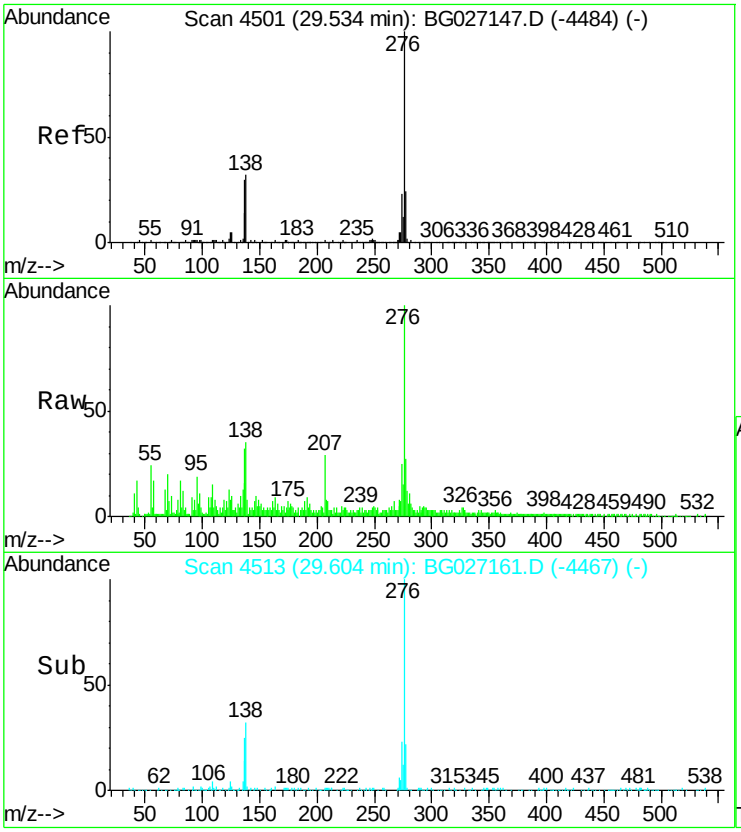


#28
Dibenzo(a,h)anthracene
Concen: 5.48 ng/ul
RT: 28.49 min Scan# 4324
Delta R.T. 0.04 min
Lab File: BG027161.D
Acq: 25 May 2017 12:31

Tgt Ion:278 Resp: 113736

Ion	Ratio	Lower	Upper
278	100		
139	27.7	12.2	18.4#
279	32.8	19.2	28.8#

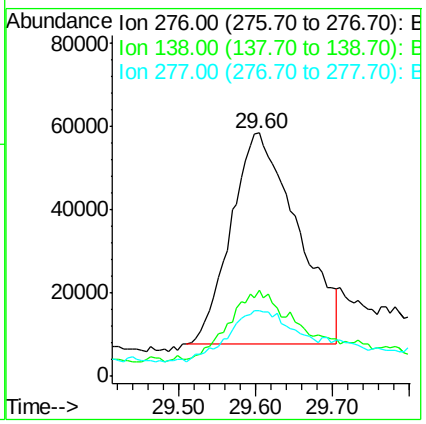




#29
Benzo(g,h,i)perylene
Concen: 15.88 ng/ul
RT: 29.60 min Scan# 4513
Delta R.T. 0.07 min
Lab File: BG027161.D
Acq: 25 May 2017 12:31

Tgt Ion:276 Resp: 303847

Ion	Ratio	Lower	Upper
276	100		
138	35.4	15.3	22.9#
277	26.9	19.0	28.4



Instrument :
BNA_G
ClientSampleId :
DAC93

Manual Integrations APPROVED
mohammad
5/26/2017 11:56:20 AM