Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112717\
Data File : BG031242.D
Acq On : 27 Nov 2017 23:22
Operator : SJ/JU
Sample : I6506-11
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0G94

Manual Integrations APPROVED
Sohil
11/28/2017 3:08:31 PM

Quant Time: Nov 28 07:36:33 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 28 07:19:57 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	60145	20.00	ng/ul	0.00
2) Naphthalene-d8	10.95	136	263279	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.75	164	174047	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.49	188	436217	20.00	ng/ul	0.00
18) Chrysene-d12	21.76	240	503445	20.00	ng/ul	0.00
23) Perylene-d12	25.06	264	519740	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.58	165	95345	19.19	ng/uL	0.00
7) Acenaphthylene-d8	14.45	160	424251	23.44	ng/ul	0.00
10) Fluorene-d10	15.74	176	322335	22.17	ng/ul	0.00
15) Anthracene-d10	17.59	188	492820	22.57	ng/ul	0.00
19) Pyrene-d10	19.87	212	608489	26.46	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.83	264	589550	22.93	ng/ul	0.00
Target Compounds						Qvalue
8) Acenaphthylene	14.48	152	61743	3.895	ng/ul	97
11) Fluorene	15.79	166	63698	4.396	ng/ul	94
14) Phenanthrene	17.54	178	962868	41.130	ng/ul	99
16) Anthracene	17.63	178	155016	6.521	ng/ul	98
17) Fluoranthene	19.54	202	1383414	42.465	ng/ul#	92
20) Pyrene	19.90	202	1129892	42.286	ng/ul#	90
21) Benzo(a)anthracene	21.74	228	626242	20.417	ng/ul	99
22) Chrysene	21.81	228	609564	20.894	ng/ul	98
24) Benzo(b)fluoranthene	24.02	252	717075	22.835	ng/ul#	96
25) Benzo(k)fluoranthene	24.07	252	240875m	7.787	ng/ul	
27) Benzo(a)pyrene	24.91	252	482950m	16.046	ng/ul	
28) Indeno(1,2,3-cd)pyrene	28.84	276	292292	8.520	ng/ul#	94
29) Dibenzo(a,h)anthracene	28.86	278	83505m	2.940	ng/ul	
30) Benzo(g,h,i)perylene	30.02	276	211170	7.393	ng/ul#	92

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

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Manual Integrations APPROVED
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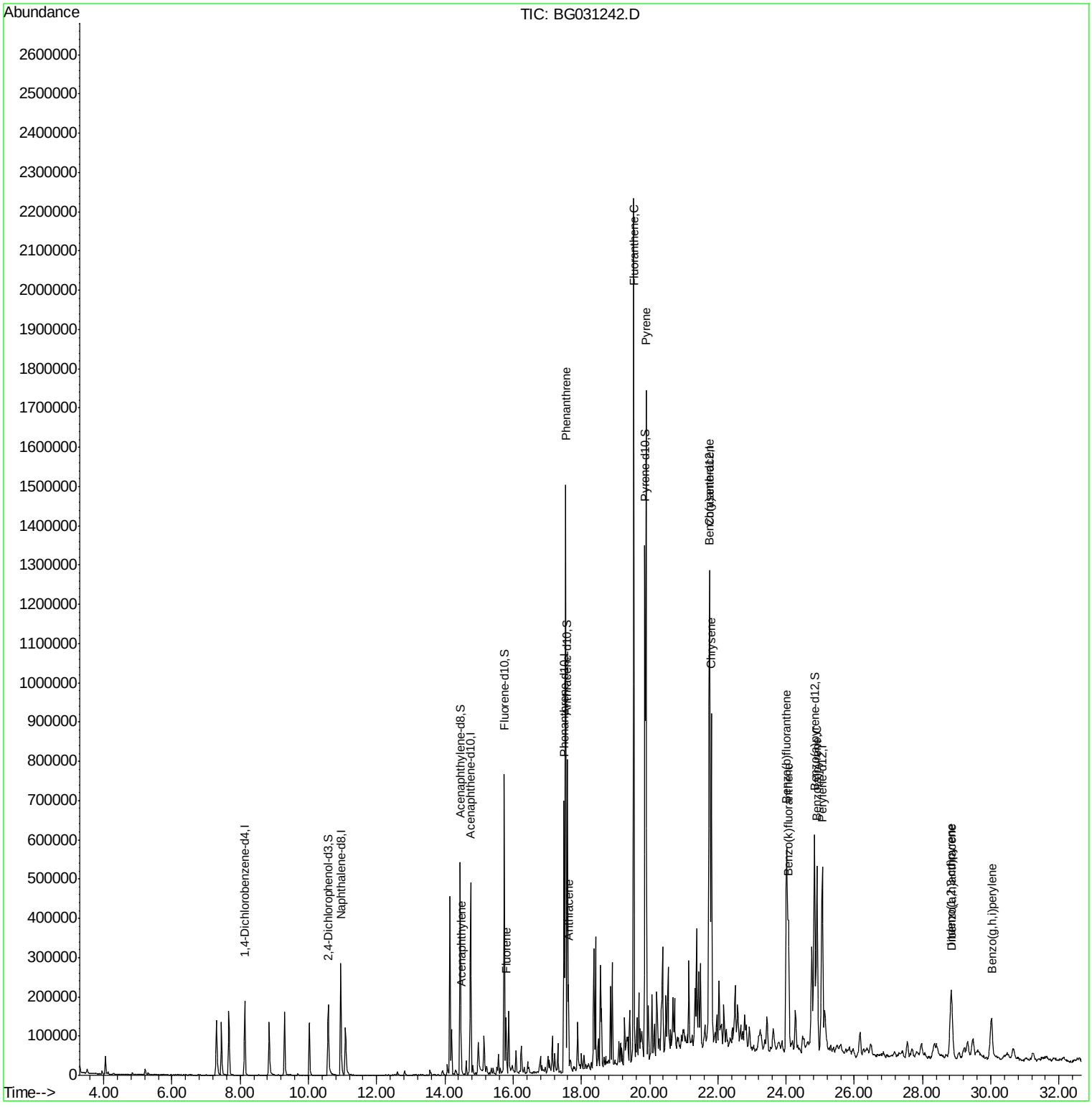
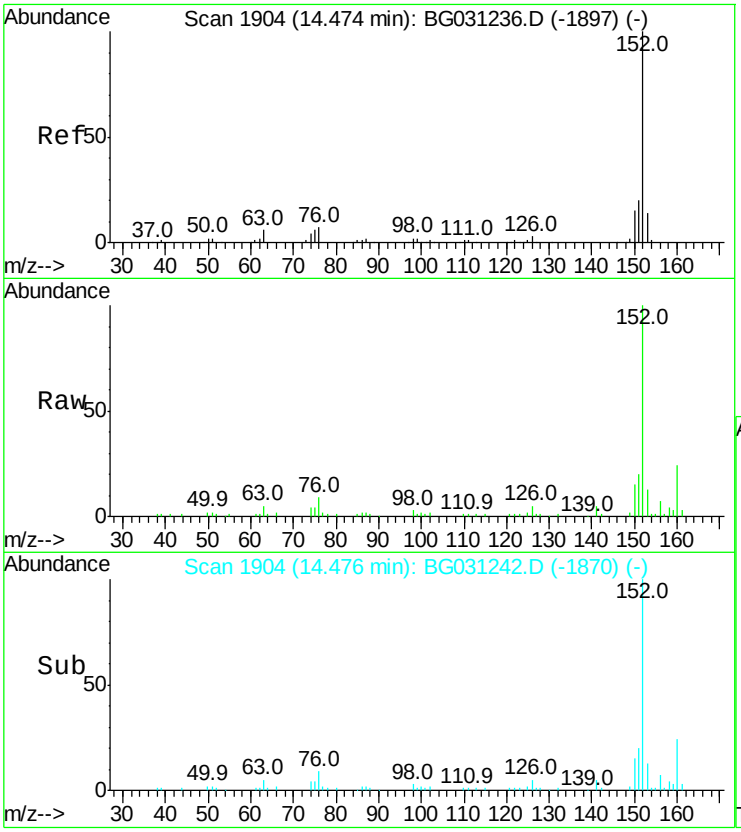
11/28/2017 3:08:31 PM

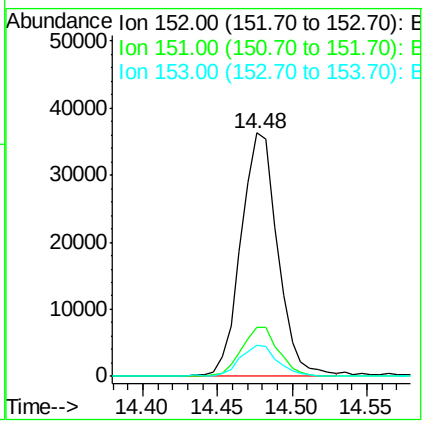




#8
Acenaphthylene
Concen: 3.895 ng/ul
RT: 14.48 min Scan# 1904
Delta R.T. 0.00 min
Lab File: BG031242.D
Acq: 27 Nov 2017 23:22

Tgt Ion:152 Resp: 61743

Ion	Ratio	Lower	Upper
152	100		
151	20.1	17.5	26.3
153	12.9	10.6	16.0



Instrument :
BNA_G
ClientSampleId :
B0G94

Manual Integrations APPROVED
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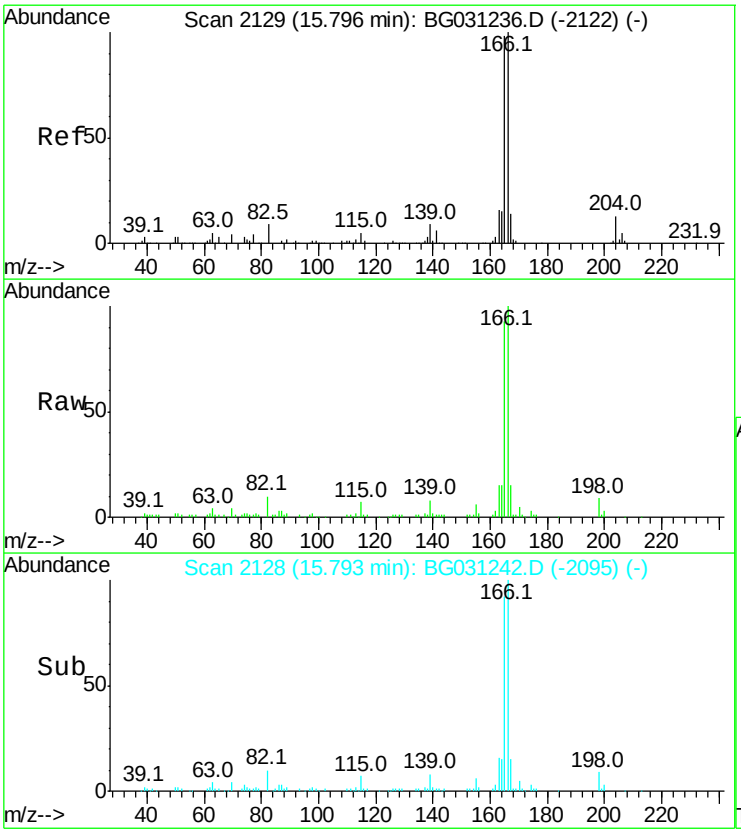
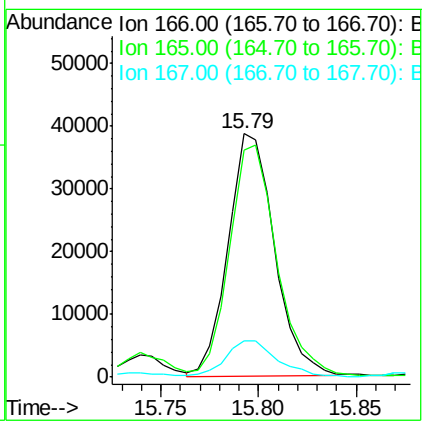
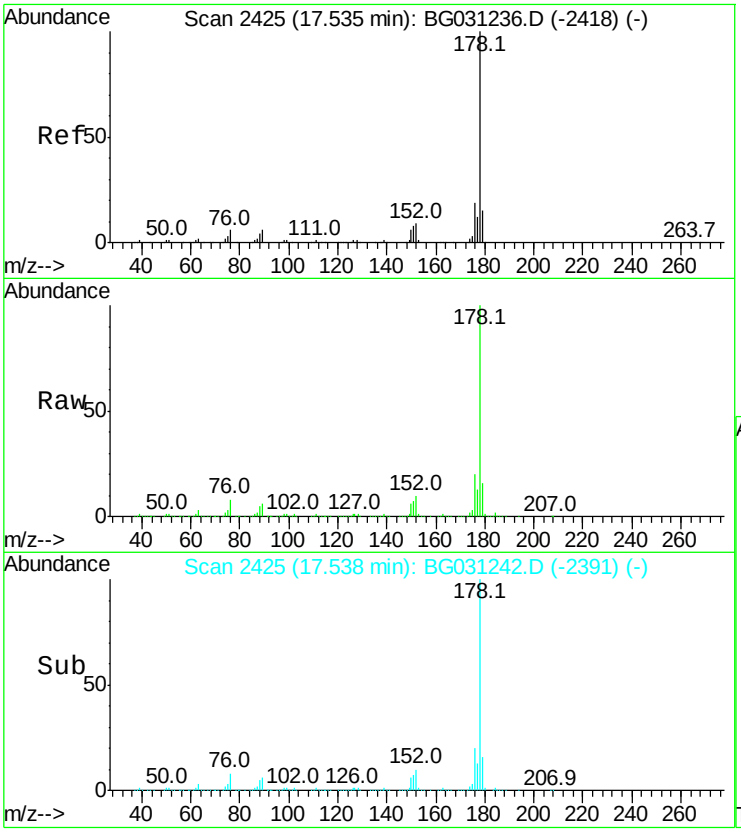


#11
Fluorene
Concen: 4.396 ng/ul
RT: 15.79 min Scan# 2128
Delta R.T. -0.00 min
Lab File: BG031242.D
Acq: 27 Nov 2017 23:22

Tgt Ion:166 Resp: 63698

Ion	Ratio	Lower	Upper
166	100		
165	93.3	80.0	120.0
167	15.1	11.6	17.4

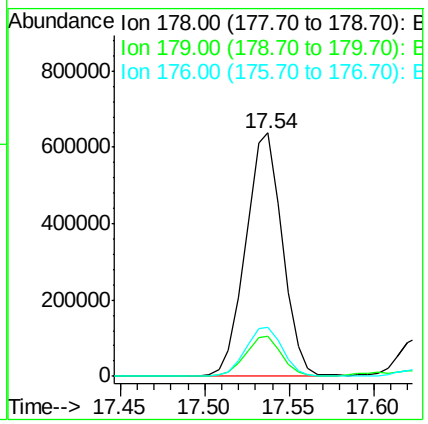




#14
Phenanthrene
Concen: 41.130 ng/ul
RT: 17.54 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BG031242.D
Acq: 27 Nov 2017 23:22

Tgt Ion:178 Resp: 962868

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



Instrument :
BNA_G
ClientSampleId :
B0G94

Manual Integrations APPROVED
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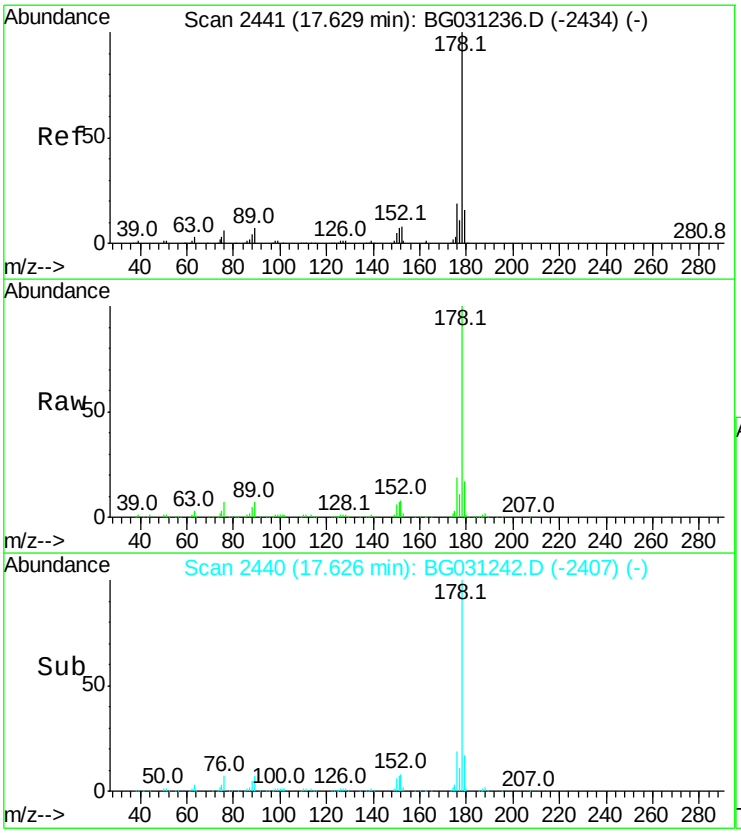
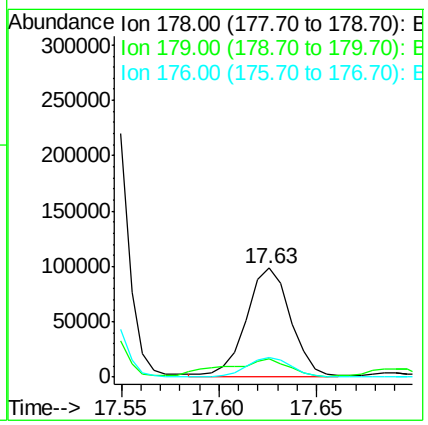
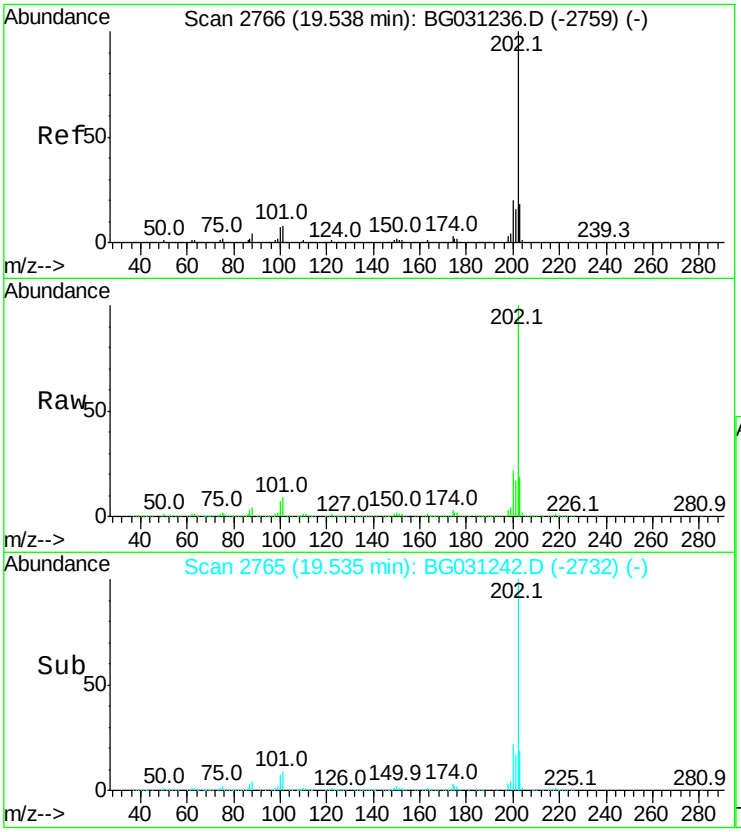


#16
Anthracene
Concen: 6.521 ng/ul
RT: 17.63 min Scan# 2440
Delta R.T. -0.00 min
Lab File: BG031242.D
Acq: 27 Nov 2017 23:22

Tgt Ion:178 Resp: 155016

Ion	Ratio	Lower	Upper
178	100		
179	16.6	12.7	19.1
176	18.6	15.8	23.8

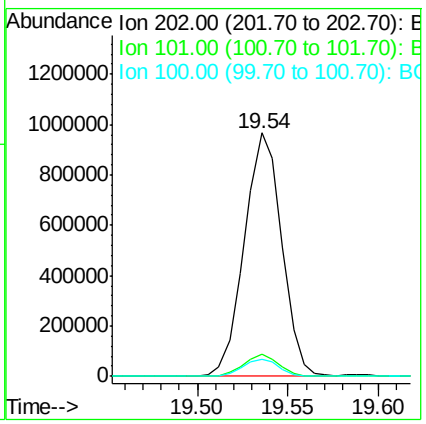




#17
Fluoranthene
Concen: 42.465 ng/ul
RT: 19.54 min Scan# 2765
Delta R.T. -0.00 min
Lab File: BG031242.D
Acq: 27 Nov 2017 23:22

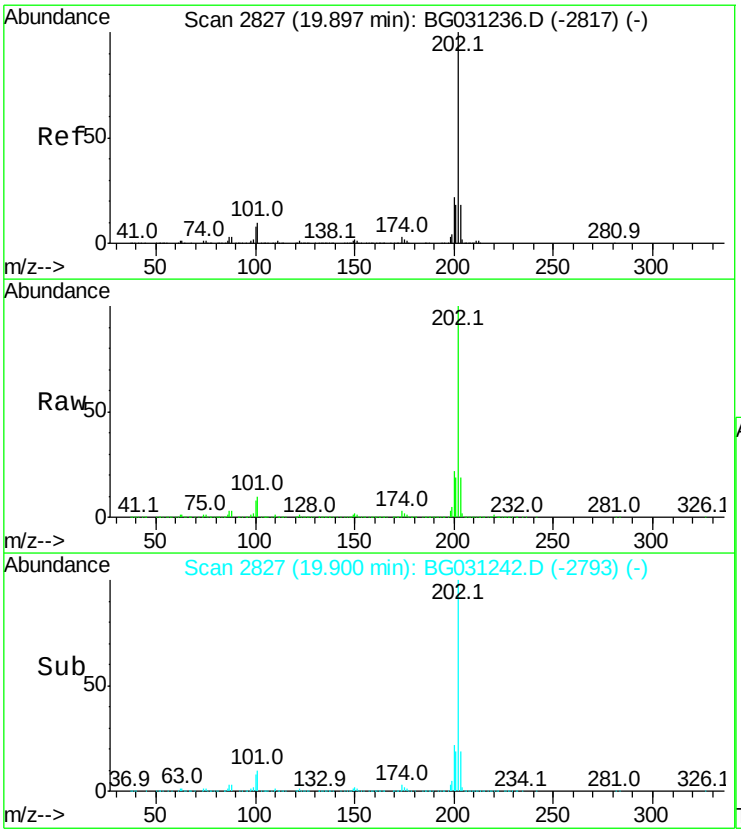
Tgt Ion:202 Resp: 1383414

Ion	Ratio	Lower	Upper
202	100		
101	8.9	9.8	14.8#
100	7.2	7.5	11.3#



Instrument :
BNA_G
ClientSampleId :
B0G94

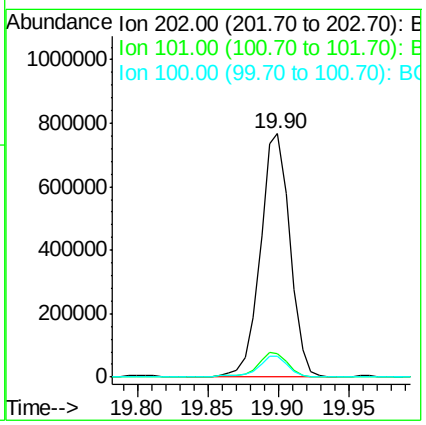
Manual Integrations APPROVED
Sohil
11/28/2017 3:08:31 PM

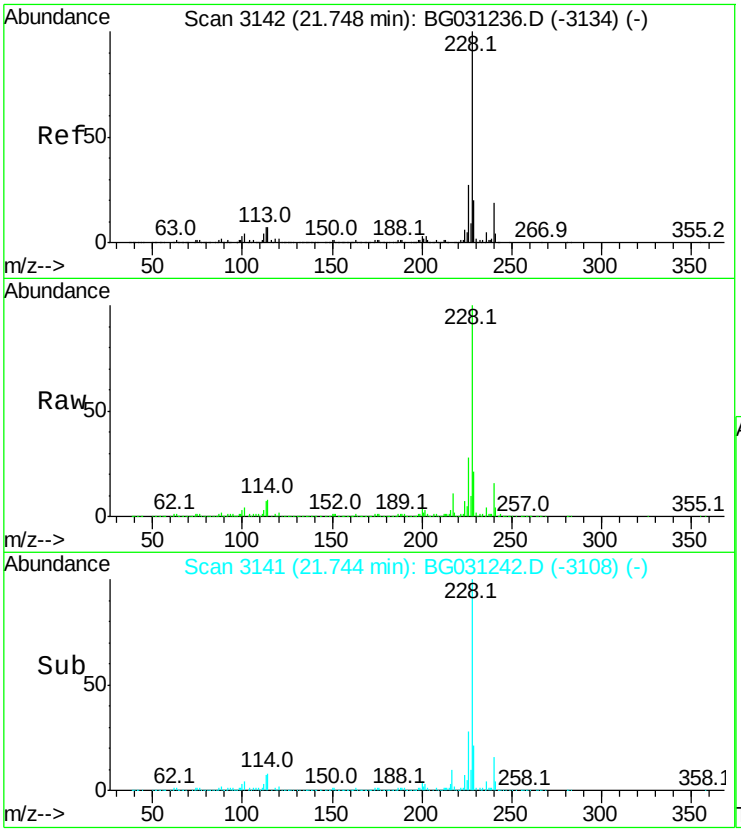


#20
Pyrene
Concen: 42.286 ng/ul
RT: 19.90 min Scan# 2827
Delta R.T. 0.00 min
Lab File: BG031242.D
Acq: 27 Nov 2017 23:22

Tgt Ion:202 Resp: 1129892

Ion	Ratio	Lower	Upper
202	100		
101	9.7	11.2	16.8#
100	8.3	9.8	14.6#

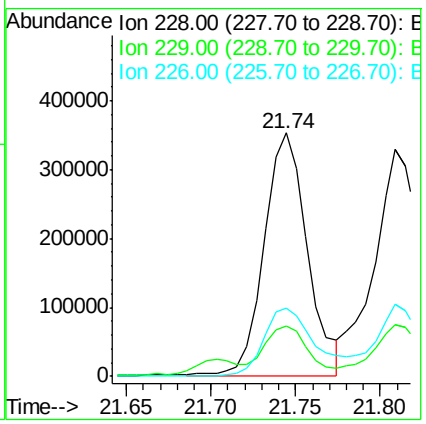




#21
Benzo(a)anthracene
Concen: 20.417 ng/ul
RT: 21.74 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BG031242.D
Acq: 27 Nov 2017 23:22

Tgt Ion:228 Resp: 626242

Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.9	23.9
226	27.9	22.1	33.1



Instrument :
BNA_G
ClientSampleId :
B0G94

Manual Integrations APPROVED
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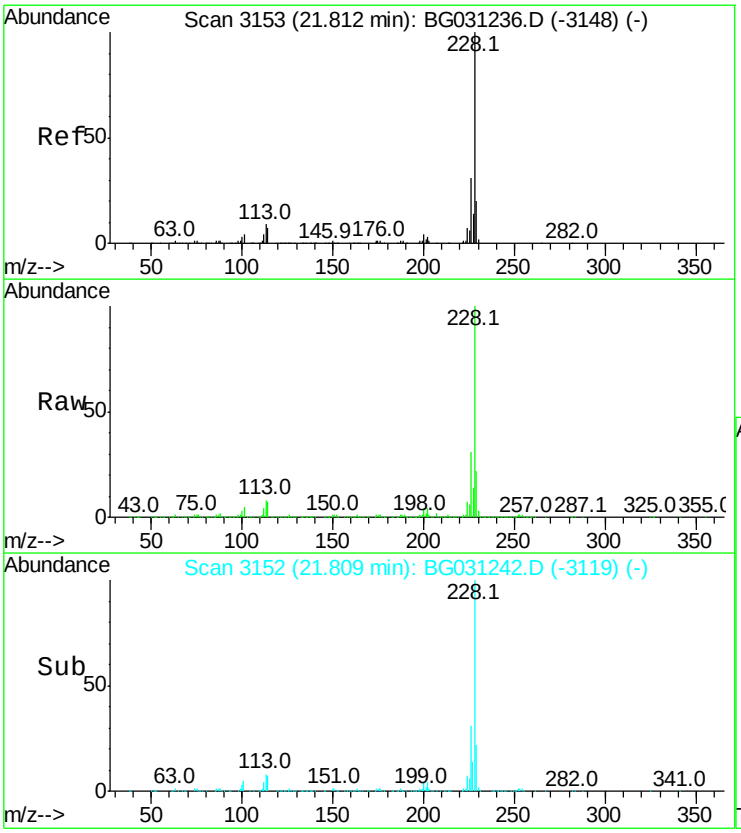
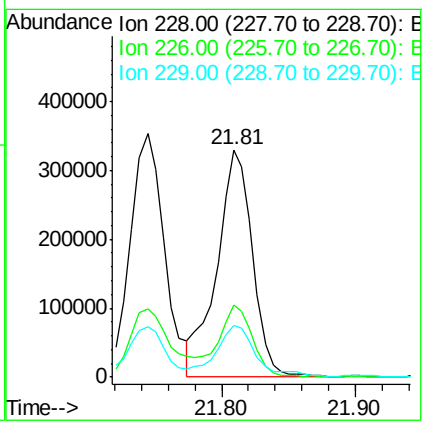
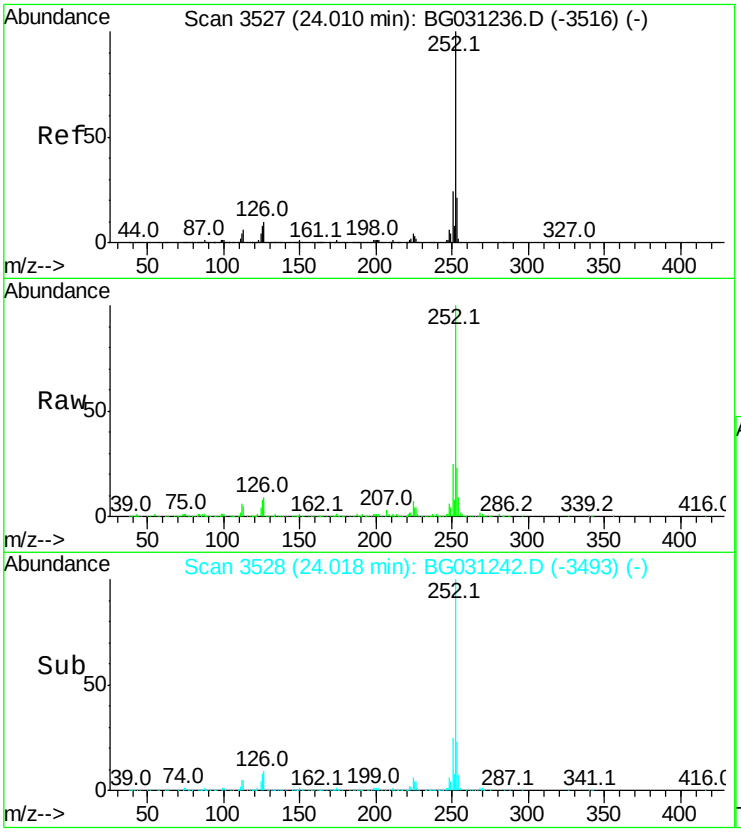


#22
Chrysene
Concen: 20.894 ng/ul
RT: 21.81 min Scan# 3152
Delta R.T. -0.00 min
Lab File: BG031242.D
Acq: 27 Nov 2017 23:22

Tgt Ion:228 Resp: 609564

Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	22.5	16.6	25.0





#24
Benzo(b)fluoranthene
Concen: 22.835 ng/ul
RT: 24.02 min Scan# 3528
Delta R.T. 0.01 min
Lab File: BG031242.D
Acq: 27 Nov 2017 23:22

Tgt Ion:252 Resp: 717075

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	8.5	9.4	14.0#

Instrument :
BNA_G
ClientSampleId :
B0G94

Manual Integrations APPROVED
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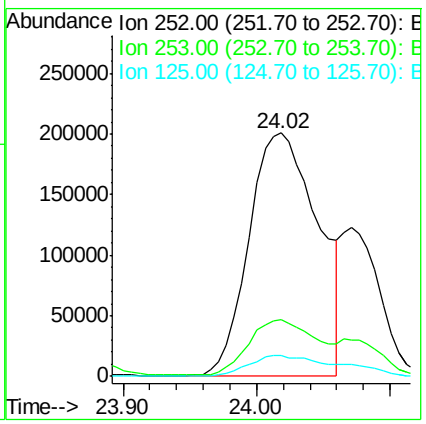
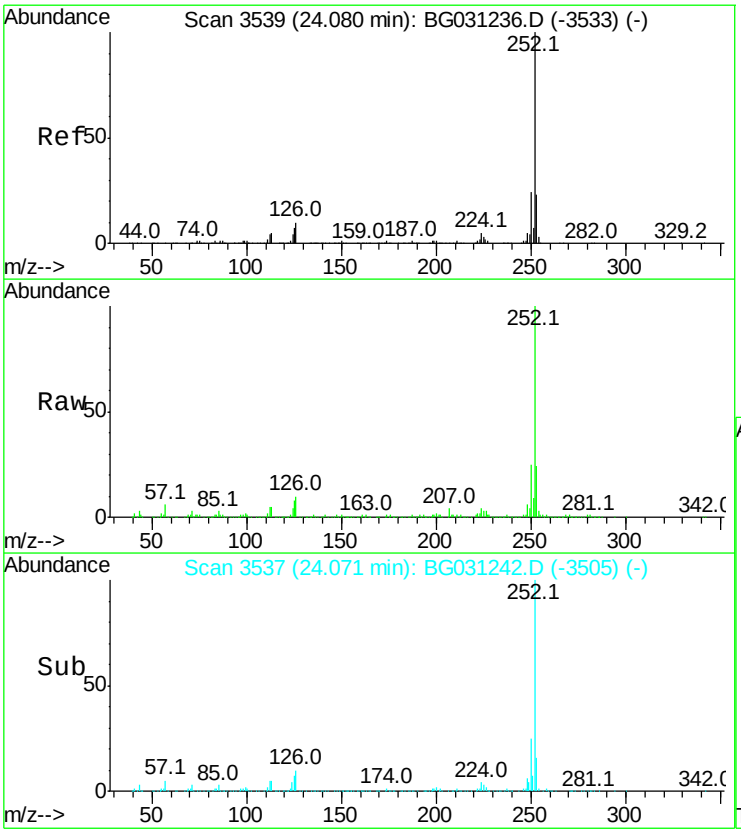
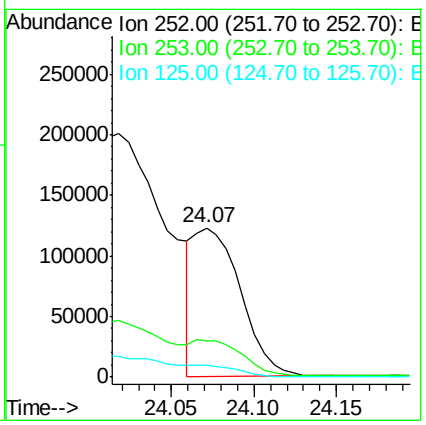


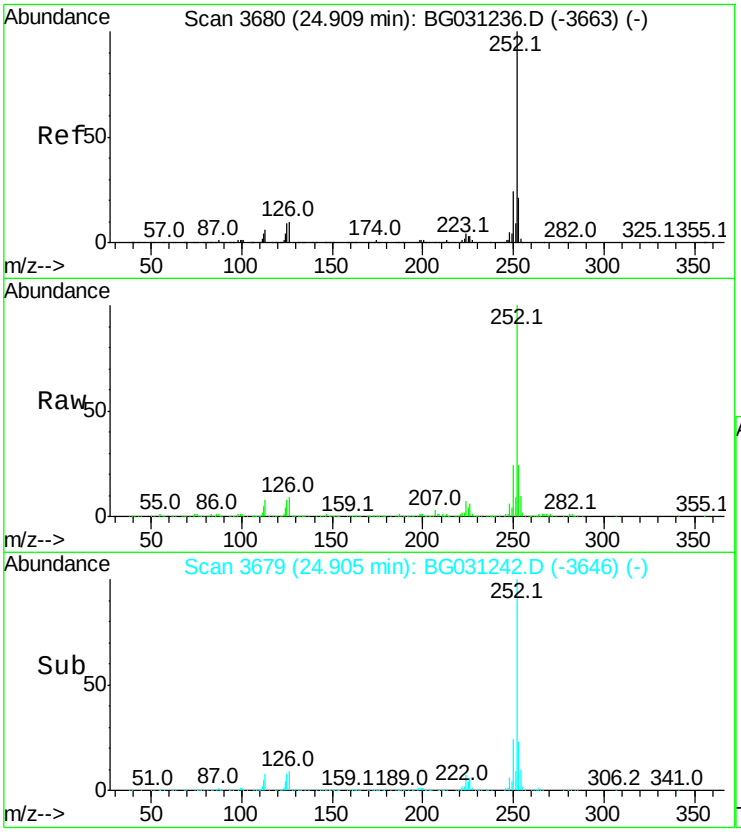


#25
Benzo(k)fluoranthene
Concen: 7.787 ng/ul m
RT: 24.07 min Scan# 3537
Delta R.T. -0.01 min
Lab File: BG031242.D
Acq: 27 Nov 2017 23:22

Tgt Ion:252 Resp: 240875

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.4	26.2
125	7.7	8.8	13.2#





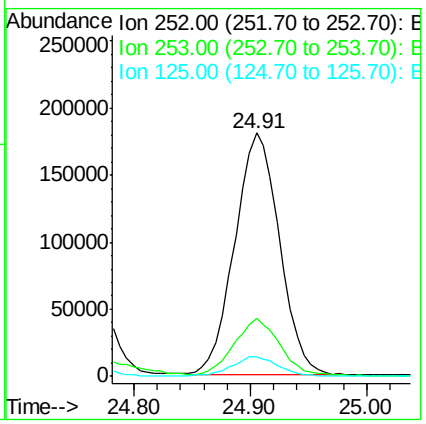
#27
Benzo(a)pyrene
Concen: 16.046 ng/ul m
RT: 24.91 min Scan# 3679
Delta R.T. -0.00 min
Lab File: BG031242.D
Acq: 27 Nov 2017 23:22

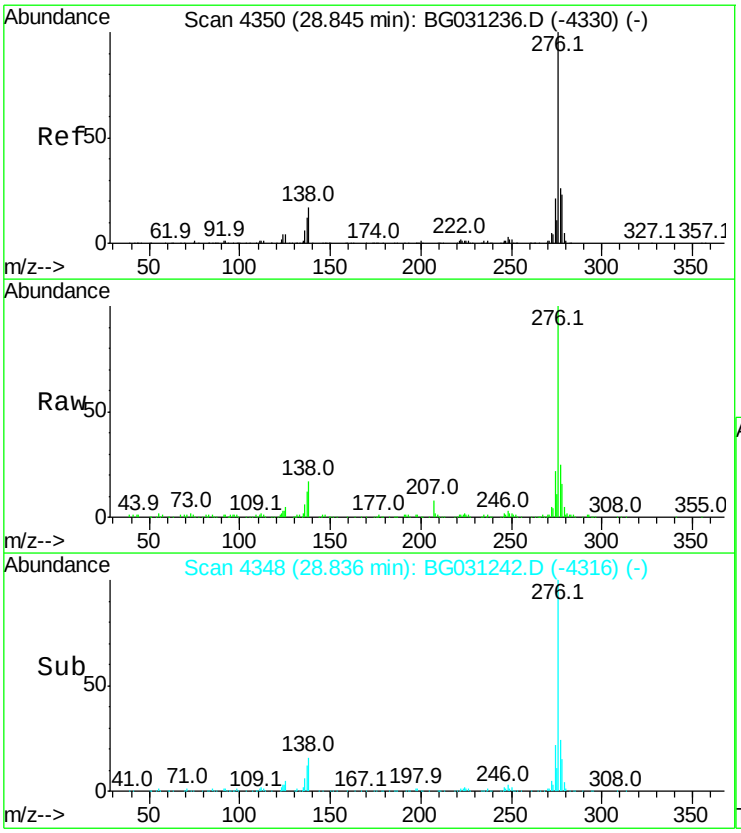
Tgt Ion:252 Resp: 482950

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	8.1	9.4	14.2#

Instrument :
BNA_G
ClientSampleId :
B0G94

Manual Integrations APPROVED
Sohil
11/28/2017 3:08:31 PM

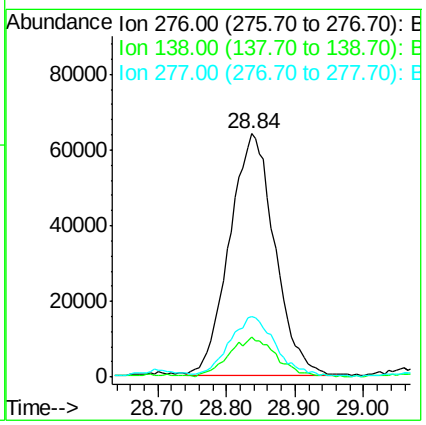


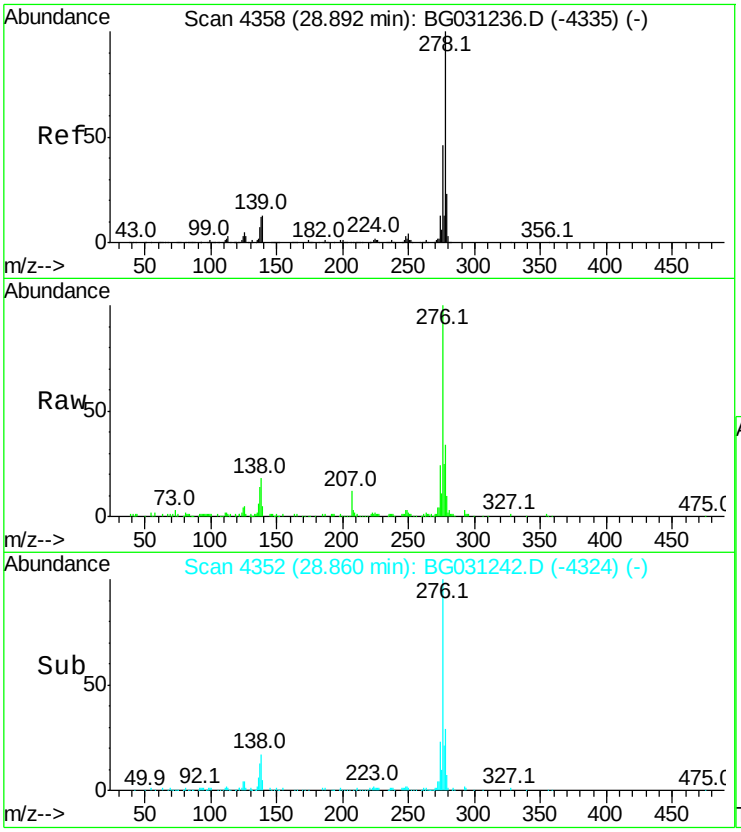


#28
Indeno(1,2,3-cd)pyrene
Concen: 8.520 ng/ul
RT: 28.84 min Scan# 4348
Delta R.T. -0.01 min
Lab File: BG031242.D
Acq: 27 Nov 2017 23:22

Tgt Ion:276 Resp: 292292

Ion	Ratio	Lower	Upper
276	100		
138	16.6	17.8	26.6#
277	25.0	19.4	29.0





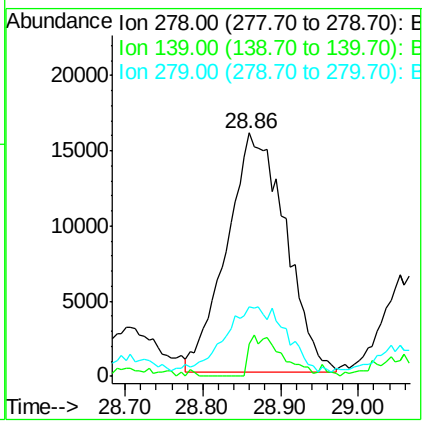
#29
Dibenzo(a,h)anthracene
Concen: 2.940 ng/ul m
RT: 28.86 min Scan# 4352
Delta R.T. -0.03 min
Lab File: BG031242.D
Acq: 27 Nov 2017 23:22

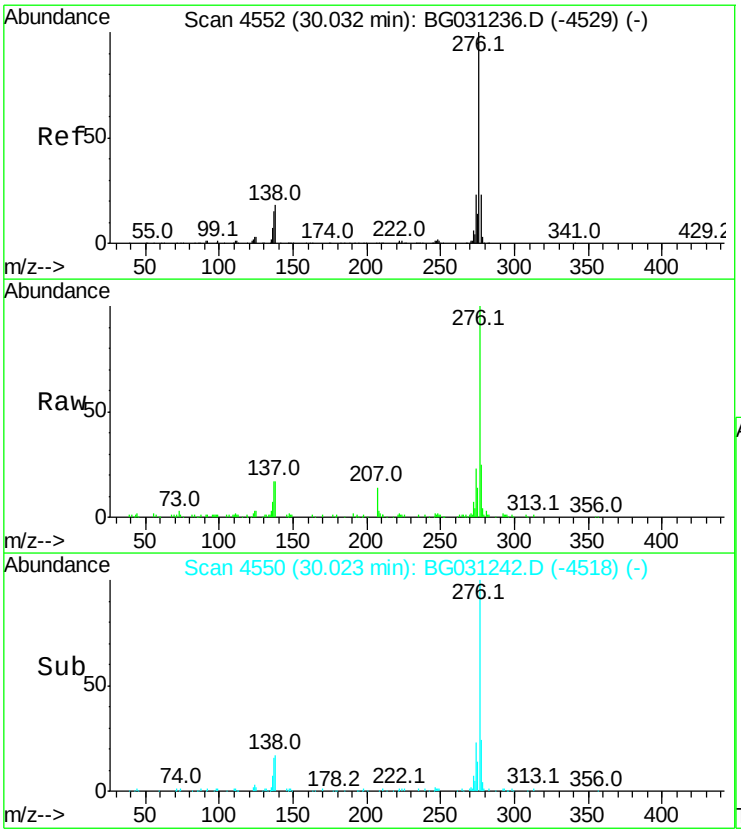
Tgt Ion:278 Resp: 83505

Ion	Ratio	Lower	Upper
278	100		
139	13.3	14.0	21.0#
279	28.4	20.6	31.0

Instrument :
BNA_G
ClientSampleId :
B0G94

Manual Integrations APPROVED
Sohil
11/28/2017 3:08:31 PM





#30
Benzo(g,h,i)perylene
Concen: 7.393 ng/ul
RT: 30.02 min Scan# 4550
Delta R.T. -0.01 min
Lab File: BG031242.D
Acq: 27 Nov 2017 23:22

Tgt Ion:276 Resp: 211170

Ion	Ratio	Lower	Upper
276	100		
138	16.5	19.0	28.4#
277	25.0	19.7	29.5