Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023674.D
Acq On : 13 Aug 2016 2:37
Operator : UM/SJ
Sample : H4385-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS002-0612-01

Manual Integrations APPROVED
sohil
8/15/2016 6:50:17 PM

Quant Time: Aug 13 05:34:32 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 03:19:50 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	116613	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.95	136	525378	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.79	164	355121	20.00	ng/ul	-0.01
61) Phenanthrene-d10	17.56	188	800566m	20.00	ng/ul	0.00
75) Chrysene-d12	21.88	240	795482m	20.00	ng/ul	-0.02
83) Perylene-d12	25.29	264	803913	20.00	ng/ul	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.49	96	6174	2.25	ng/uL	0.00
5) Phenol-d5	7.27	99	167318	14.24	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.43	67	113476	15.08	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.64	132	121662	15.18	ng/ul	-0.02
13) 4-Methylphenol-d8	8.83	113	129524	14.12	ng/ul	-0.02
19) Nitrobenzene-d5	9.29	128	68686	16.59	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.03	143	80008	16.82	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.58	165	143061	15.95	ng/ul	-0.01
29) 4-Chloroaniline-d4	11.09	131	139642	13.27	ng/ul	-0.02
43) Dimethylphthalate-d6	14.18	166	503558	17.32	ng/ul	-0.01
46) Acenaphthylene-d8	14.48	160	595969	18.21	ng/ul	-0.01
51) 4-Nitrophenol-d4	15.01	143	65355	13.17	ng/ul	0.00
57) Fluorene-d10	15.78	176	449038	16.71	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.92	200	64730m	12.60	ng/ul	-0.01
70) Anthracene-d10	17.65	188	651222	18.06	ng/ul	-0.01
76) Pyrene-d10	19.95	212	679768m	16.88	ng/ul	-0.01
87) Benzo(a)pyrene-d12	25.05	264	650528	17.88	ng/ul	-0.04
Target Compounds						Qvalue
44) Dimethylphthalate	14.23	163	156957	5.45	ng/ul	99
47) Acenaphthylene	14.51	152	93486	2.73	ng/ul#	92
69) Phenanthrene	17.60	178	555249m	13.39	ng/ul	
71) Anthracene	17.69	178	67700	1.60	ng/ul	96
74) Fluoranthene	19.61	202	881323m	20.76	ng/ul	
77) Pyrene	19.98	202	1144050m	23.26	ng/ul	
80) Benzo(a)anthracene	21.86	228	563061m	12.57	ng/ul	
81) Bis(2-ethylhexyl)phthalate	21.73	149	31541m	1.26	ng/ul	
82) Chrysene	21.93	228	621424m	15.26	ng/ul	
85) Benzo(b)fluoranthene	24.21	252	632522	13.83	ng/ul#	95
86) Benzo(k)fluoranthene	24.26	252	205603	4.57	ng/ul#	92
88) Benzo(a)pyrene	25.12	252	519790m	11.77	ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.19	276	307912	5.94	ng/ul#	88
91) Benzo(g,h,i)perylene	30.42	276	289814	6.74	ng/ul#	88

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

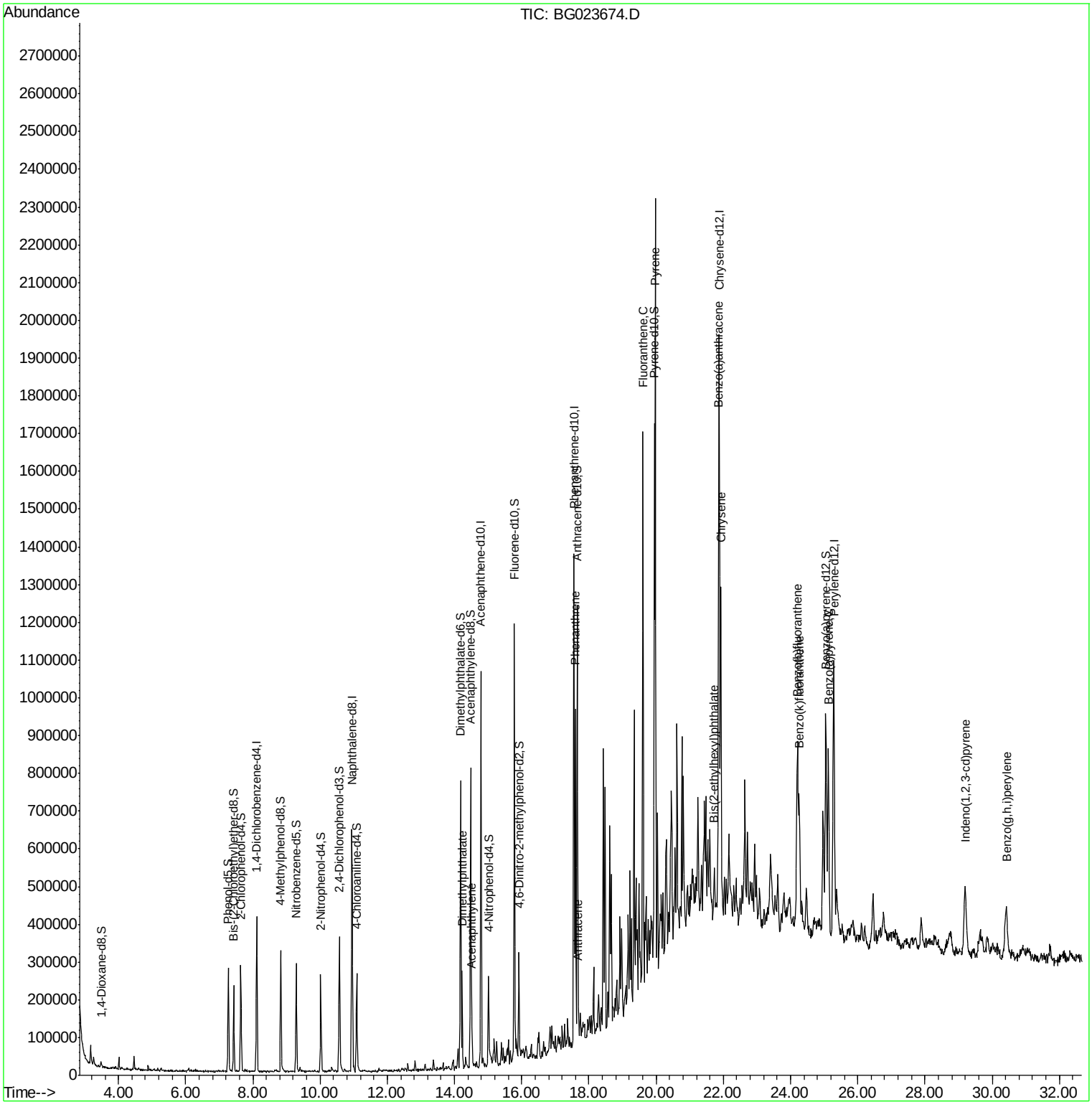
Quantitation Report (LSC Reviewed)

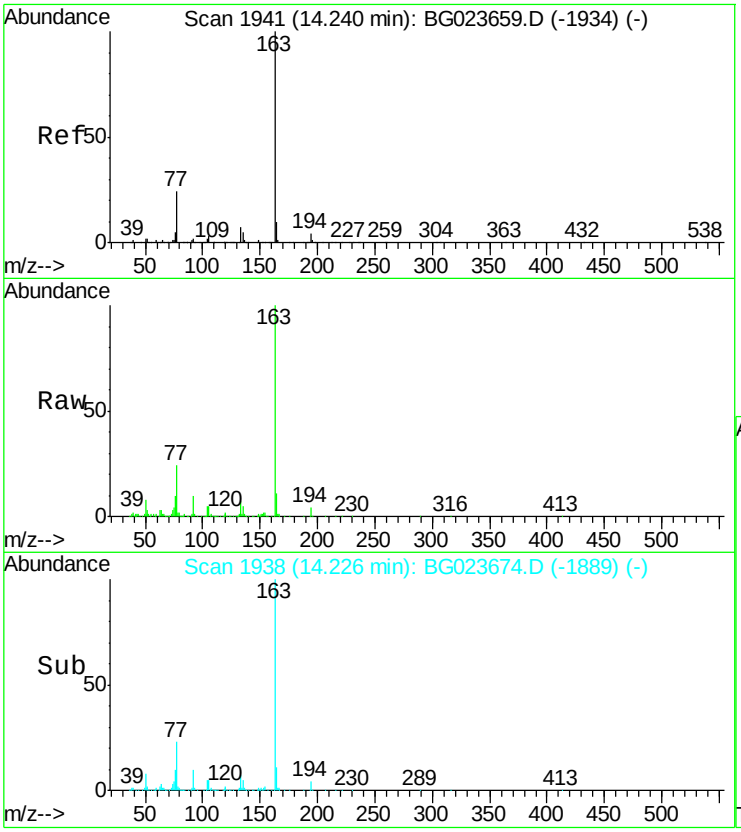
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023674.D
Acq On : 13 Aug 2016 2:37
Operator : UM/SJ
Sample : H4385-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 13 05:34:32 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 03:19:50 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
P002-SS002-0612-01

Manual Integrations APPROVED
sohil
8/15/2016 6:50:17 PM

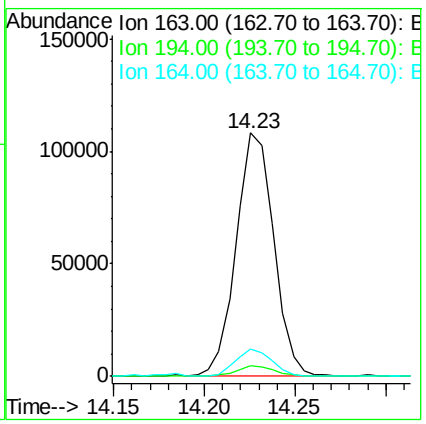




#44
Dimethylphthalate
Concen: 5.45 ng/ul
RT: 14.23 min Scan# 1938
Delta R.T. -0.01 min
Lab File: BG023674.D
Acq: 13 Aug 2016 2:37

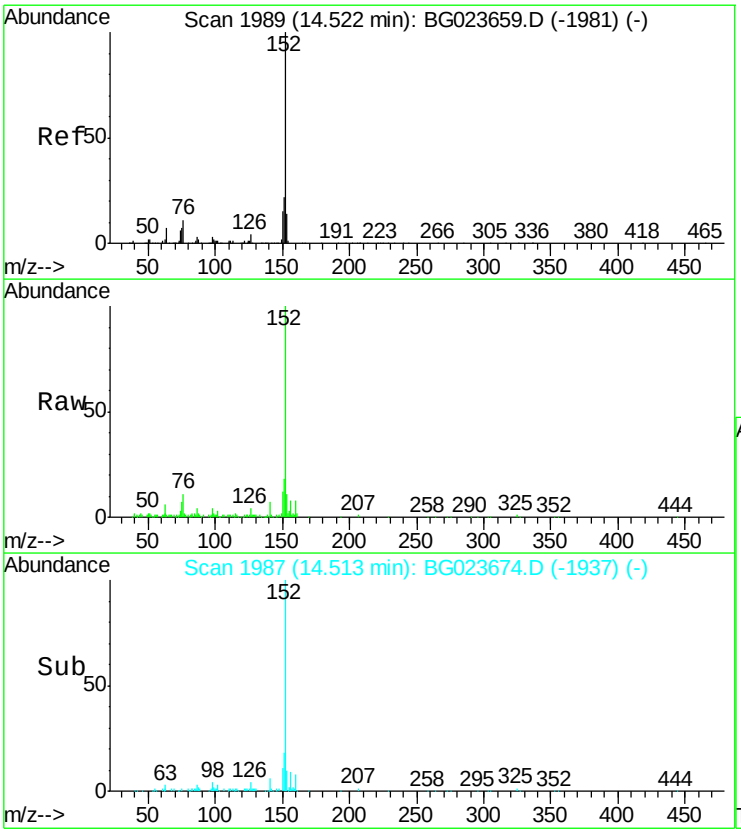
Tgt Ion:163 Resp: 156957

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	11.3	8.8	13.2



Instrument :
BNA_G
ClientSampleId :
P002-SS002-0612-01

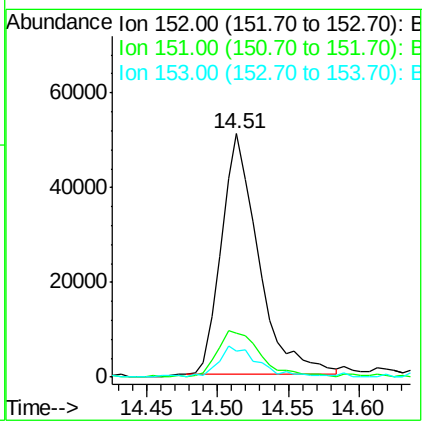
Manual Integrations APPROVED
sohil
8/15/2016 6:50:17 PM

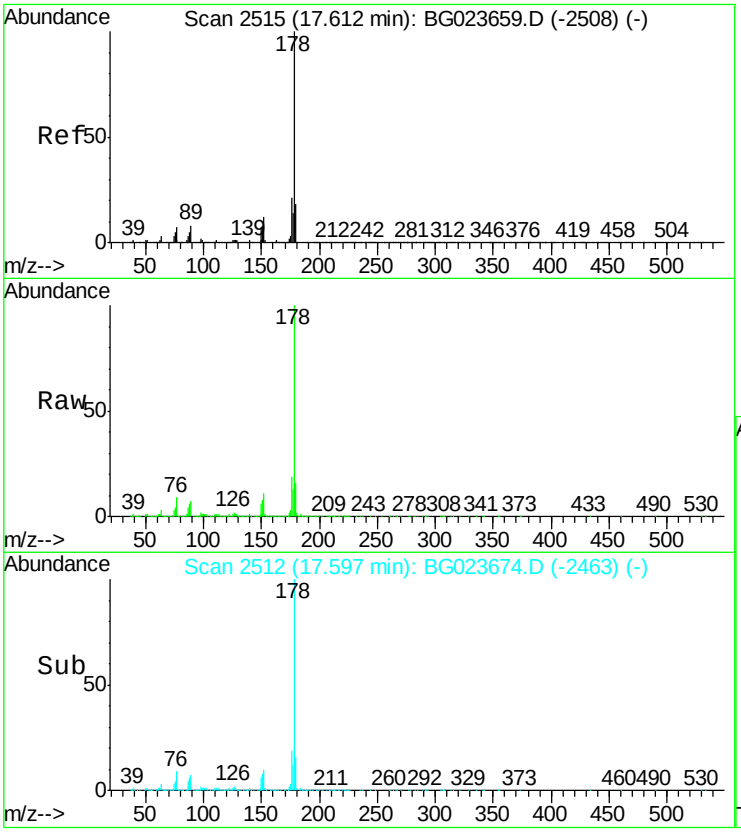


#47
Acenaphthylene
Concen: 2.73 ng/ul
RT: 14.51 min Scan# 1987
Delta R.T. -0.01 min
Lab File: BG023674.D
Acq: 13 Aug 2016 2:37

Tgt Ion:152 Resp: 93486

Ion	Ratio	Lower	Upper
152	100		
151	18.3	17.5	26.3
153	10.9	11.1	16.7#

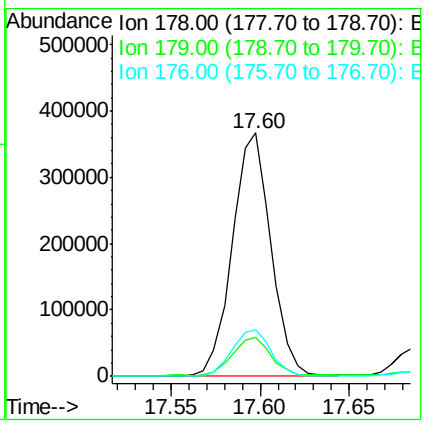




#69
Phenanthrene
Concen: 13.39 ng/ul m
RT: 17.60 min Scan# 2512
Delta R.T. -0.01 min
Lab File: BG023674.D
Acq: 13 Aug 2016 2:37

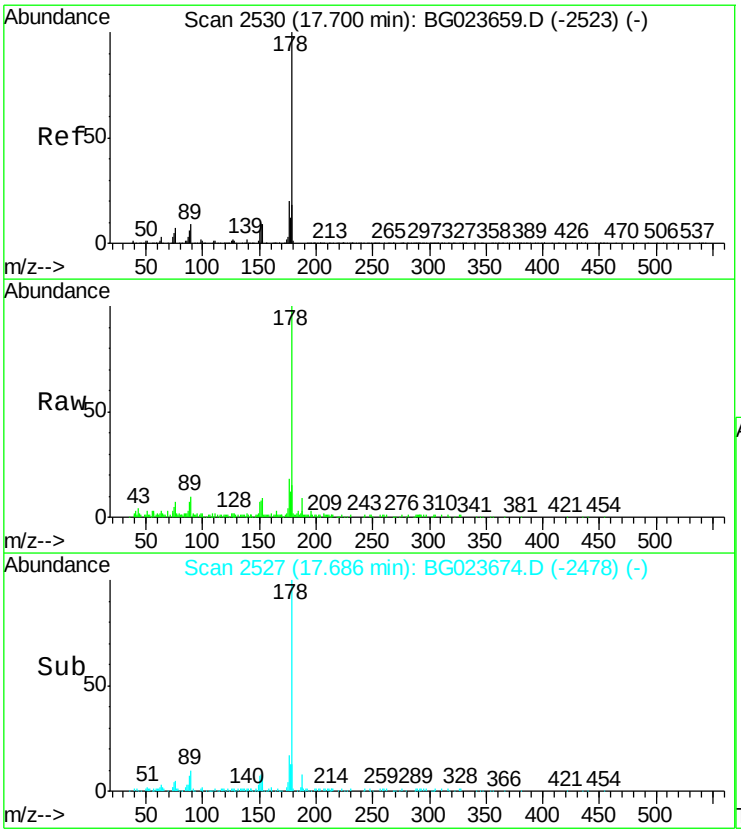
Tgt Ion:178 Resp: 555249

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.9	19.3
176	18.9	15.8	23.8



Instrument :
BNA_G
ClientSampleId :
P002-SS002-0612-01

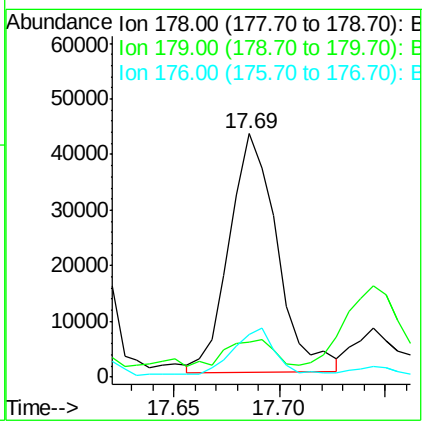
Manual Integrations APPROVED
sohil
8/15/2016 6:50:17 PM

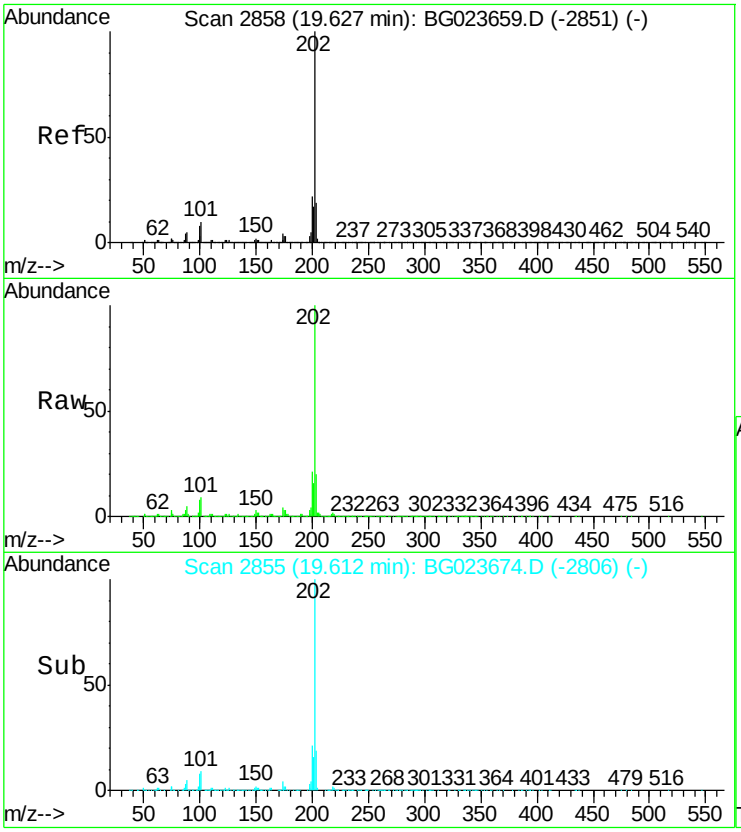


#71
Anthracene
Concen: 1.60 ng/ul
RT: 17.69 min Scan# 2527
Delta R.T. -0.01 min
Lab File: BG023674.D
Acq: 13 Aug 2016 2:37

Tgt Ion:178 Resp: 67700

Ion	Ratio	Lower	Upper
178	100		
179	14.6	12.3	18.5
176	17.8	16.3	24.5

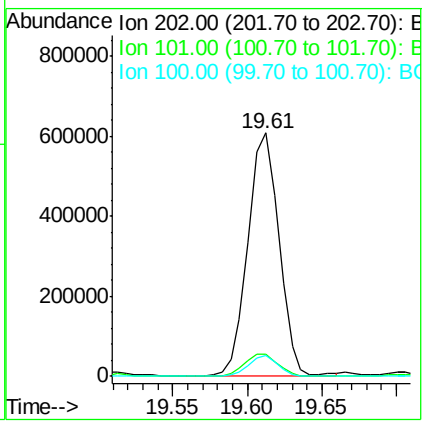




#74
Fluoranthene
Concen: 20.76 ng/ul m
RT: 19.61 min Scan# 2855
Delta R.T. -0.01 min
Lab File: BG023674.D
Acq: 13 Aug 2016 2:37

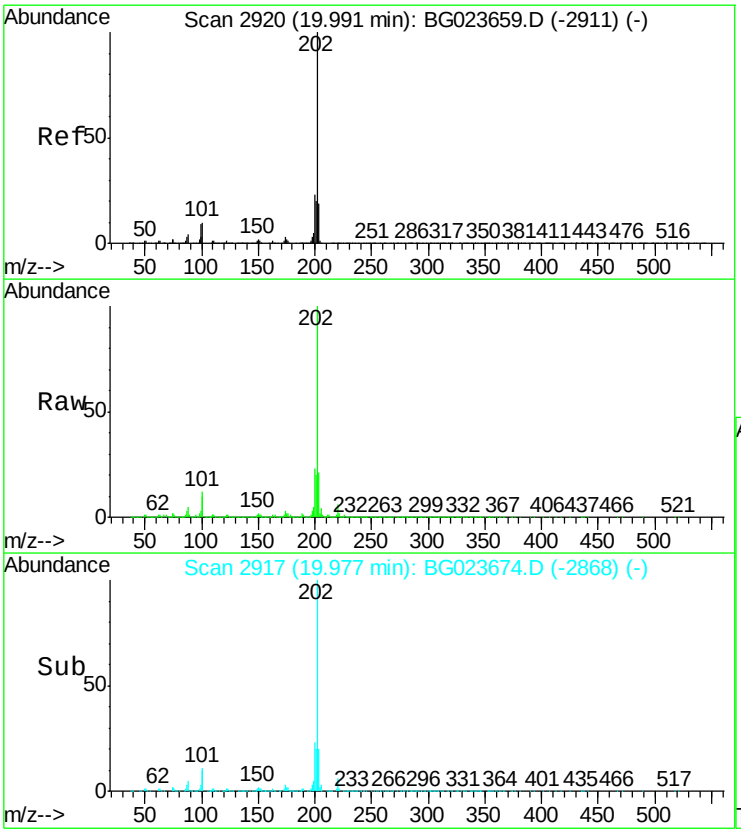
Tgt Ion:202 Resp: 881323

Ion	Ratio	Lower	Upper
202	100		
101	9.2	10.6	16.0#
100	8.3	8.7	13.1#



Instrument :
BNA_G
ClientSampleId :
P002-SS002-0612-01

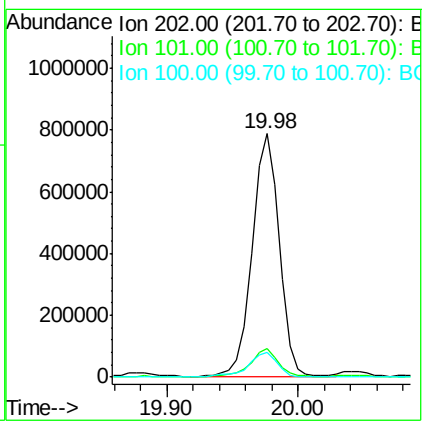
Manual Integrations APPROVED
sohil
8/15/2016 6:50:17 PM

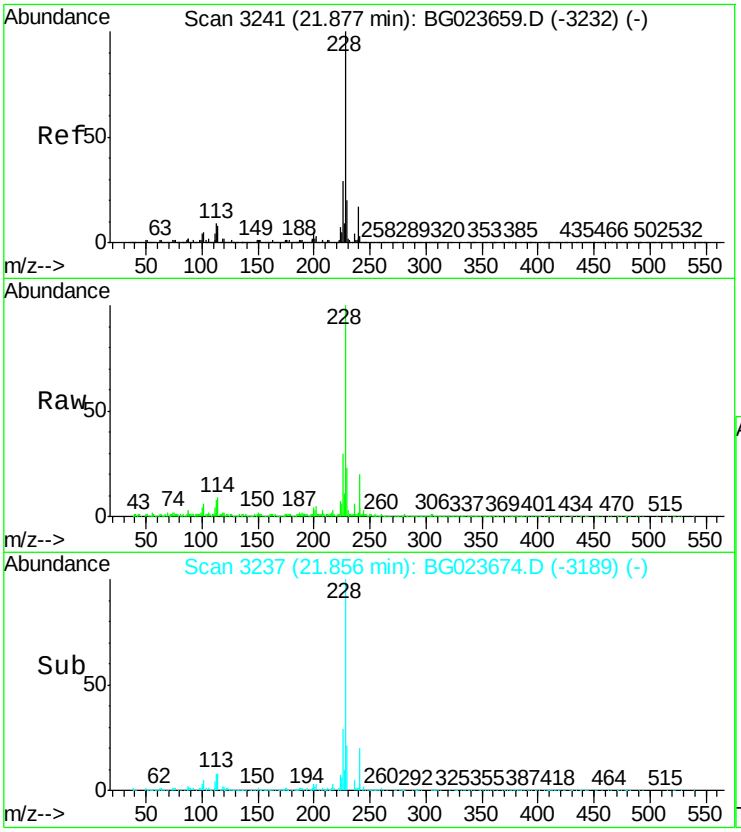


#77
Pyrene
Concen: 23.26 ng/ul m
RT: 19.98 min Scan# 2917
Delta R.T. -0.01 min
Lab File: BG023674.D
Acq: 13 Aug 2016 2:37

Tgt Ion:202 Resp: 1144050

Ion	Ratio	Lower	Upper
202	100		
101	11.6	12.5	18.7#
100	10.0	10.2	15.4#





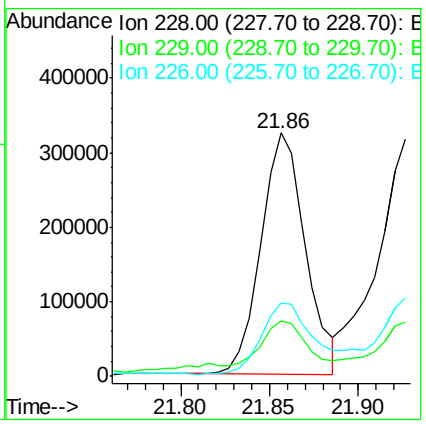
#80
Benzo(a)anthracene
Concen: 12.57 ng/ul m
RT: 21.86 min Scan# 3237
Delta R.T. -0.02 min
Lab File: BG023674.D
Acq: 13 Aug 2016 2:37

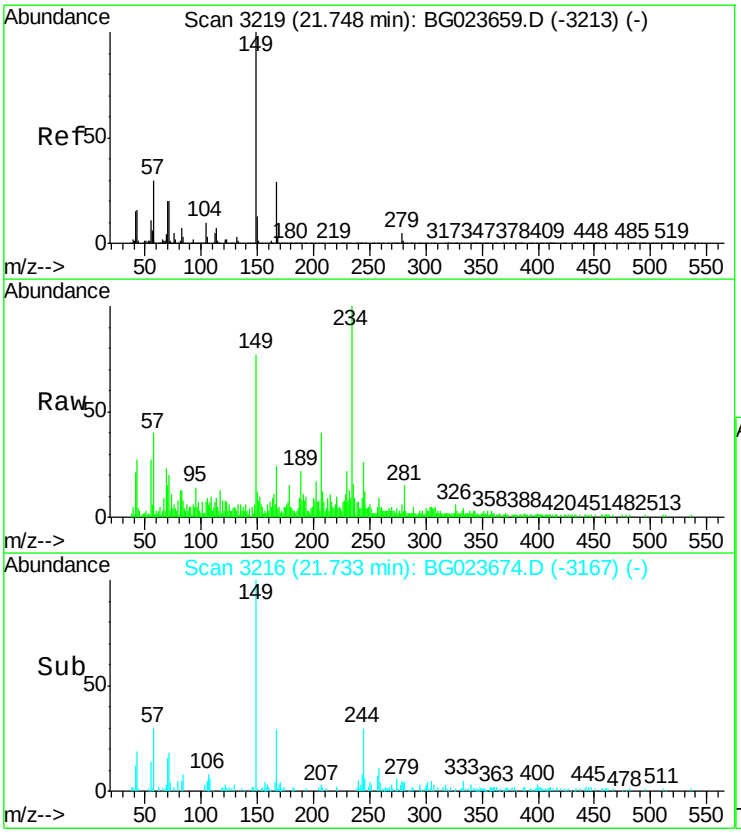
Tgt Ion:228 Resp: 563061

Ion	Ratio	Lower	Upper
228	100		
229	22.8	15.4	23.2
226	30.3	22.8	34.2

Instrument :
BNA_G
ClientSampleId :
P002-SS002-0612-01

Manual Integrations APPROVED
sohil
8/15/2016 6:50:17 PM

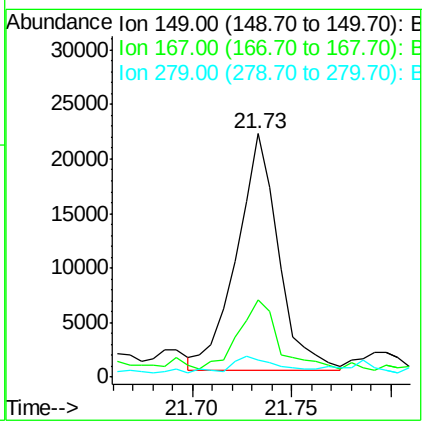


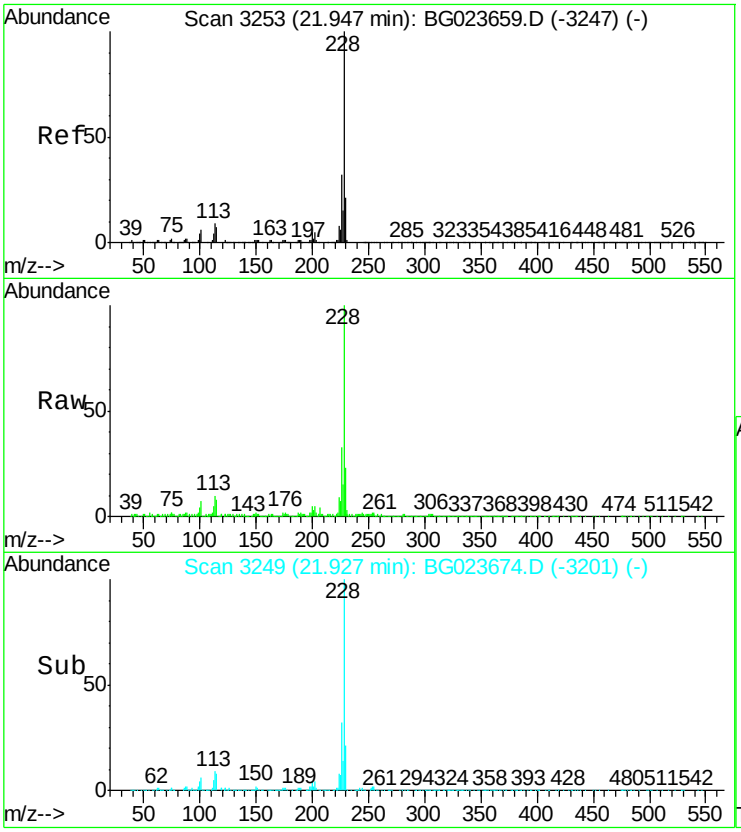


#81
Bis(2-ethylhexyl)phthalate
Concen: 1.26 ng/ul m
RT: 21.73 min Scan# 3216
Delta R.T. -0.01 min
Lab File: BG023674.D
Acq: 13 Aug 2016 2:37

Tgt Ion:149 Resp: 31541

Ion	Ratio	Lower	Upper
149	100		
167	31.5	21.9	32.9
279	7.3	2.9	4.3#





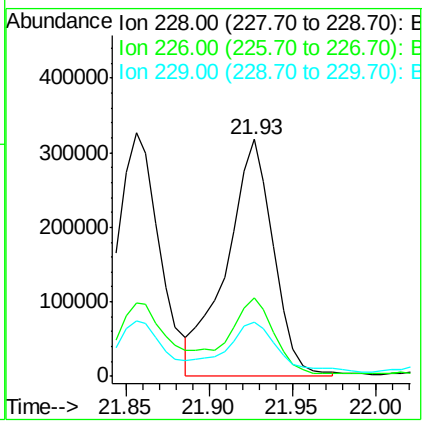
#82
Chrysene
Concen: 15.26 ng/ul m
RT: 21.93 min Scan# 3249
Delta R.T. -0.02 min
Lab File: BG023674.D
Acq: 13 Aug 2016 2:37

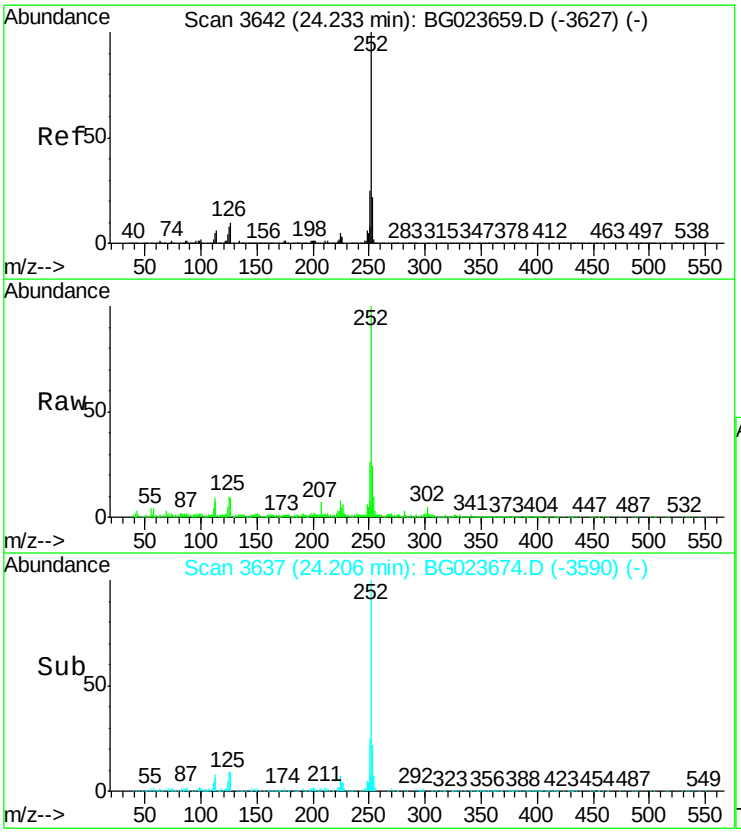
Tgt Ion:228 Resp: 621424

Ion	Ratio	Lower	Upper
228	100		
226	33.1	24.2	36.4
229	23.1	15.0	22.6#

Instrument :
BNA_G
ClientSampleId :
P002-SS002-0612-01

Manual Integrations APPROVED
sohil
8/15/2016 6:50:17 PM

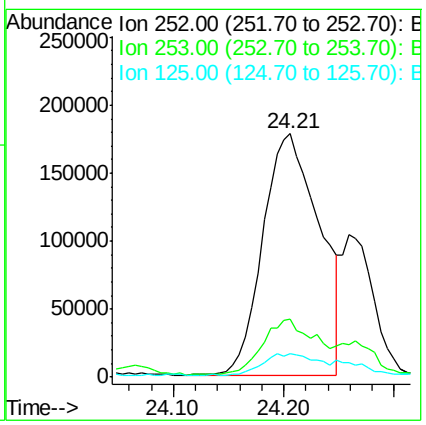


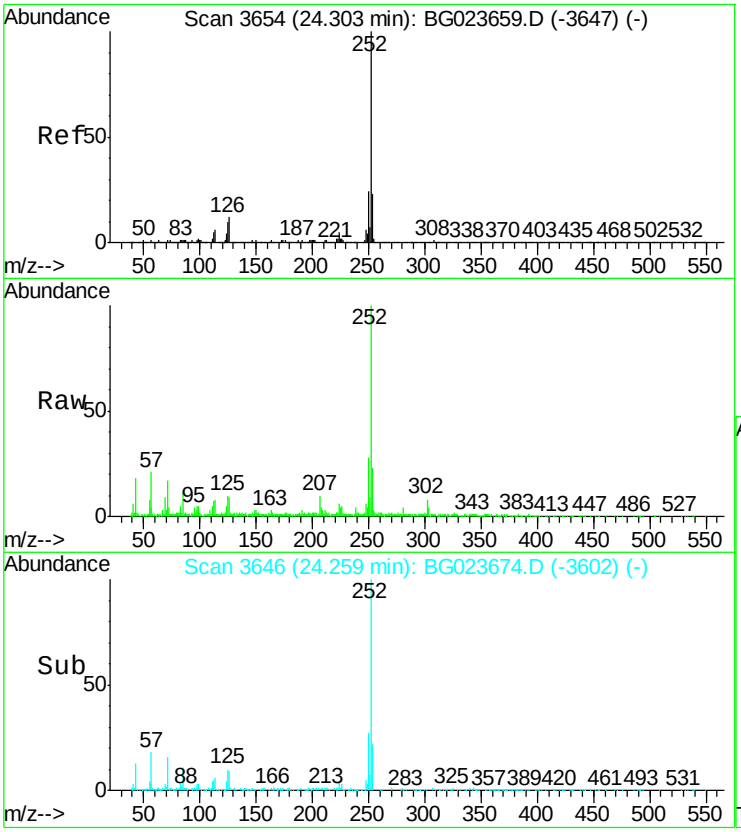


#85
Benzo(b)fluoranthene
Concen: 13.83 ng/ul
RT: 24.21 min Scan# 3637
Delta R.T. -0.03 min
Lab File: BG023674.D
Acq: 13 Aug 2016 2:37

Tgt Ion:252 Resp: 632522

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	9.7	10.8	16.2#

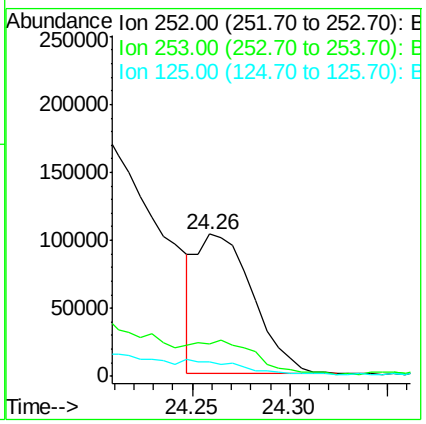




#86
Benzo(k)fluoranthene
Concen: 4.57 ng/ul
RT: 24.26 min Scan# 3646
Delta R.T. -0.04 min
Lab File: BG023674.D
Acq: 13 Aug 2016 2:37

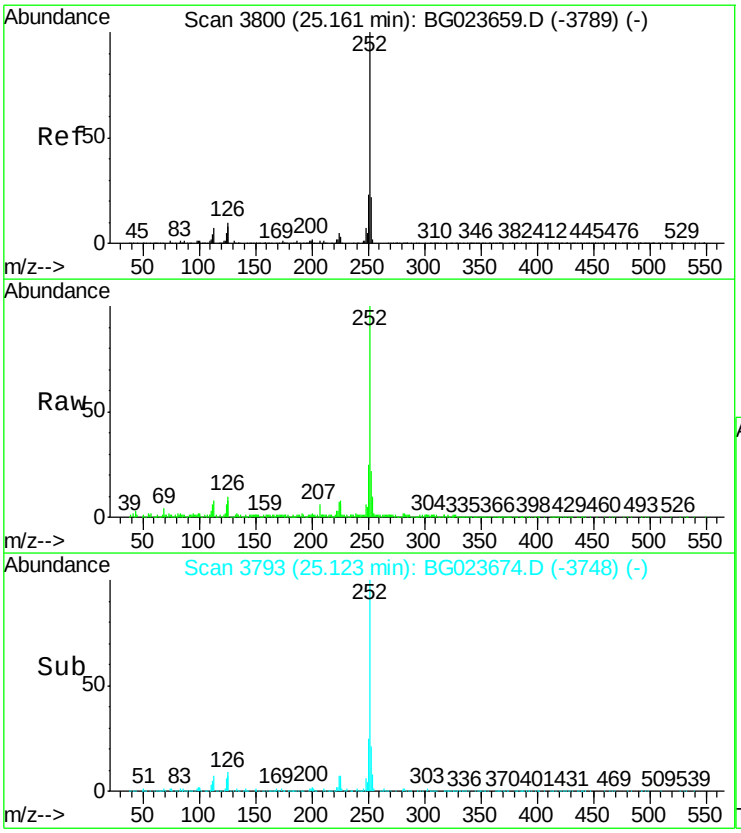
Tgt Ion:252 Resp: 205603

Ion	Ratio	Lower	Upper
252	100		
253	23.2	15.8	23.6
125	10.3	10.6	16.0#



Instrument :
BNA_G
ClientSampleId :
P002-SS002-0612-01

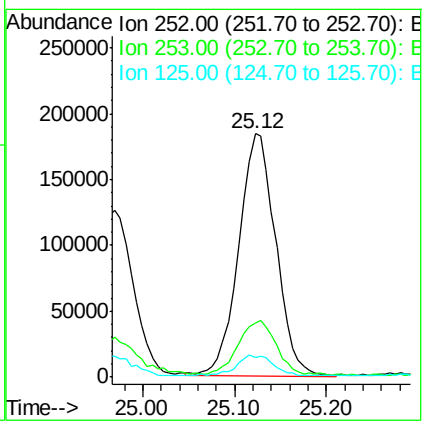
Manual Integrations APPROVED
sohil
8/15/2016 6:50:17 PM

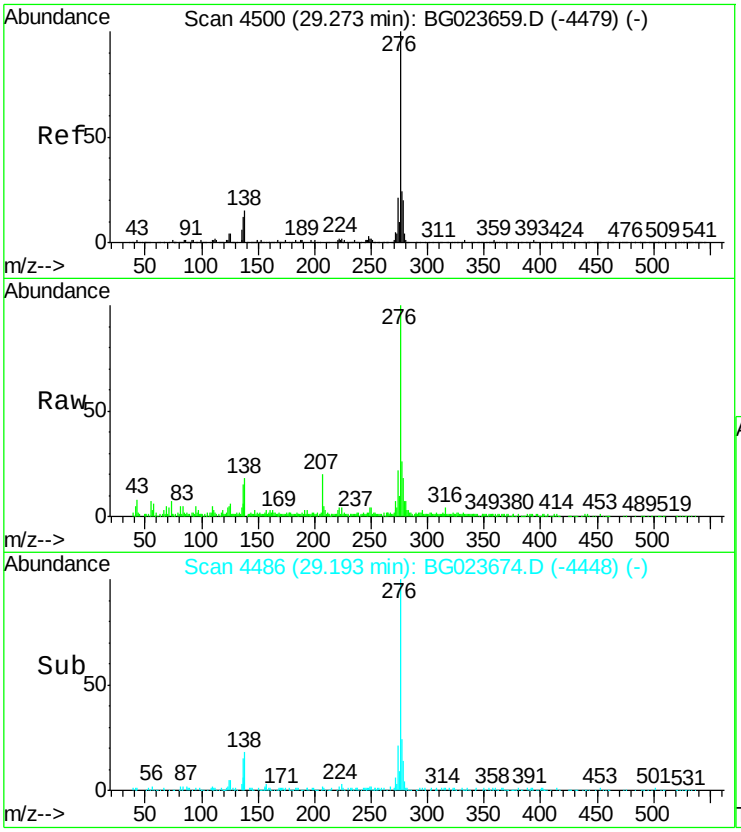


#88
Benzo(a)pyrene
Concen: 11.77 ng/ul m
RT: 25.12 min Scan# 3793
Delta R.T. -0.04 min
Lab File: BG023674.D
Acq: 13 Aug 2016 2:37

Tgt Ion:252 Resp: 519790

Ion	Ratio	Lower	Upper
252	100		
253	22.3	19.0	28.4
125	7.9	12.0	18.0#

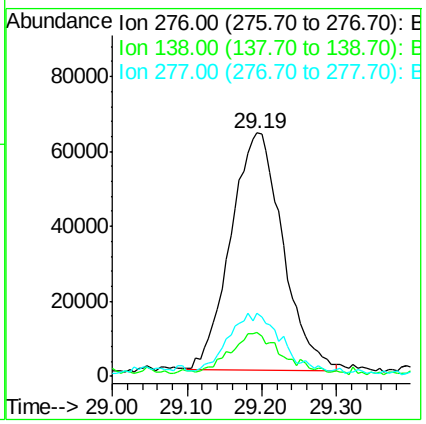




#89
Indeno(1,2,3-cd)pyrene
Concen: 5.94 ng/ul
RT: 29.19 min Scan# 4486
Delta R.T. -0.08 min
Lab File: BG023674.D
Acq: 13 Aug 2016 2:37

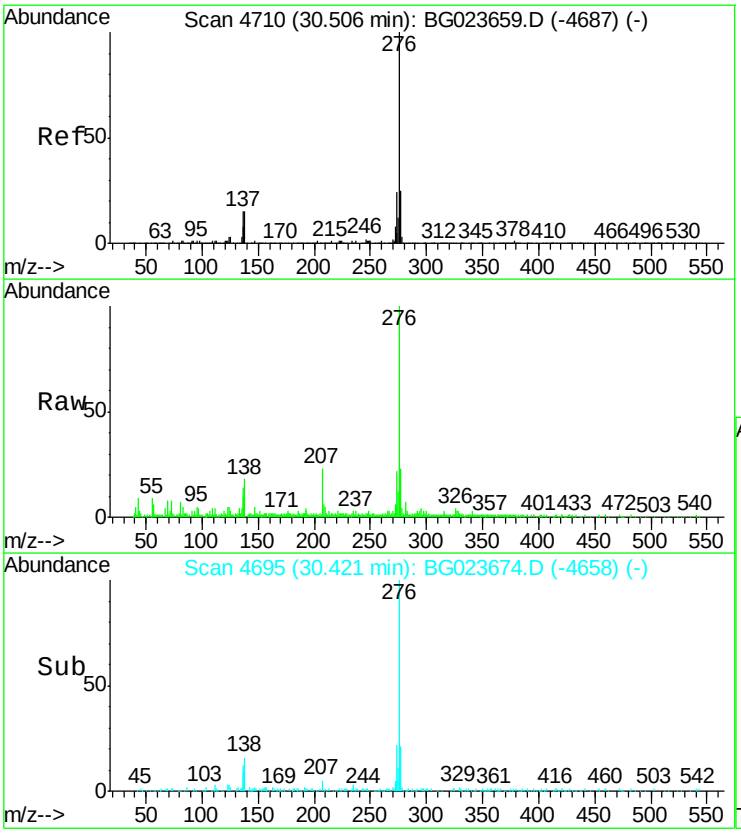
Tgt Ion:276 Resp: 307912

Ion	Ratio	Lower	Upper
276	100		
138	18.2	20.8	31.2#
277	26.2	17.6	26.4



Instrument :
BNA_G
ClientSampleId :
P002-SS002-0612-01

Manual Integrations APPROVED
sohil
8/15/2016 6:50:17 PM



#91
Benzo(g,h,i)perylene
Concen: 6.74 ng/ul
RT: 30.42 min Scan# 4695
Delta R.T. -0.09 min
Lab File: BG023674.D
Acq: 13 Aug 2016 2:37

Tgt Ion:276 Resp: 289814

Ion	Ratio	Lower	Upper
276	100		
138	17.9	22.1	33.1#
277	23.2	17.0	25.4