

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
 Data File : BG023671.D
 Acq On : 13 Aug 2016 00:44
 Operator : UM/SJ
 Sample : H4385-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS004-1218-01

Manual Integrations
 APPROVED

sohil
 8/15/2016 6:50:10 PM

Quant Time: Aug 15 18:06:56 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	129776	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.95	136	573529	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.79	164	370318	20.00	ng/ul	-0.02
61) Phenanthrene-d10	17.55	188	812136	20.00	ng/ul	-0.01
75) Chrysene-d12	21.88	240	795301	20.00	ng/ul	-0.02
83) Perylene-d12	25.28	264	804757	20.00	ng/ul	-0.04

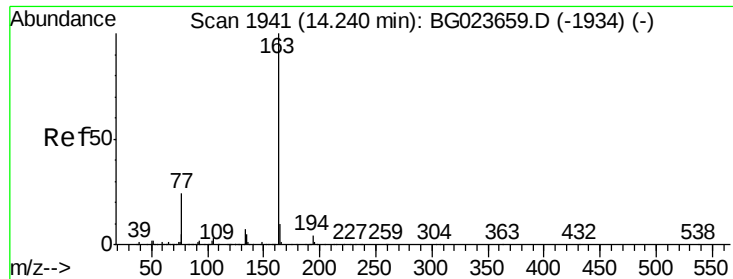
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	12935	4.24	ng/uL	0.00
5) Phenol-d5	7.27	99	332053	25.40	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.43	67	220146	26.28	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.64	132	229638	25.75	ng/ul	-0.02
13) 4-Methylphenol-d8	8.83	113	245455	24.05	ng/ul	-0.02
19) Nitrobenzene-d5	9.29	128	129219	28.58	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.02	143	149885	28.87	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.57	165	267403	27.30	ng/ul	-0.02
29) 4-Chloroaniline-d4	11.09	131	246913m	21.49	ng/ul	-0.02
43) Dimethylphthalate-d6	14.18	166	887060	29.26	ng/ul	-0.01
46) Acenaphthylene-d8	14.48	160	1041532	30.52	ng/ul	-0.01
51) 4-Nitrophenol-d4	15.00	143	162486	31.39	ng/ul	-0.02
57) Fluorene-d10	15.78	176	793922	28.34	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.91	200	145572	27.94	ng/ul	-0.02
70) Anthracene-d10	17.65	188	1165725	31.86	ng/ul	-0.01
76) Pyrene-d10	19.94	212	1251042	31.08	ng/ul	-0.02
87) Benzo(a)pyrene-d12	25.05	264	1256791	34.50	ng/ul	-0.04

Target Compounds

						Qvalue
44) Dimethylphthalate	14.23	163	578355	19.26	ng/ul	99
47) Acenaphthylene	14.52	152	107113	3.00	ng/ul	98
69) Phenanthrene	17.59	178	489137	11.63	ng/ul	98
71) Anthracene	17.69	178	85116	1.98	ng/ul	98
74) Fluoranthene	19.61	202	1089857	25.31	ng/ul#	95
77) Pyrene	19.97	202	1240237	25.23	ng/ul	94
80) Benzo(a)anthracene	21.86	228	746136	16.66	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.73	149	2014375	80.34	ng/ul#	89
82) Chrysene	21.93	228	763782m	18.75	ng/ul	
85) Benzo(b)fluoranthene	24.20	252	859830	18.78	ng/ul#	92
86) Benzo(k)fluoranthene	24.26	252	321865m	7.14	ng/ul	
88) Benzo(a)pyrene	25.12	252	690811m	15.63	ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.20	276	423383	8.15	ng/ul#	87
90) Dibenzo(a,h)anthracene	29.22	278	132846m	3.00	ng/ul	
91) Benzo(g,h,i)perylene	30.42	276	405273m	9.41	ng/ul	

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



#44

Dimethylphthalate

Concen: 19.26 ng/ul

RT: 14.23 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BG023671.D

Acq: 13 Aug 2016 00:44

Instrument :

BNA_G

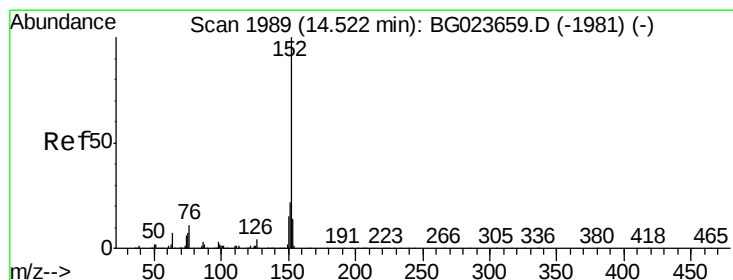
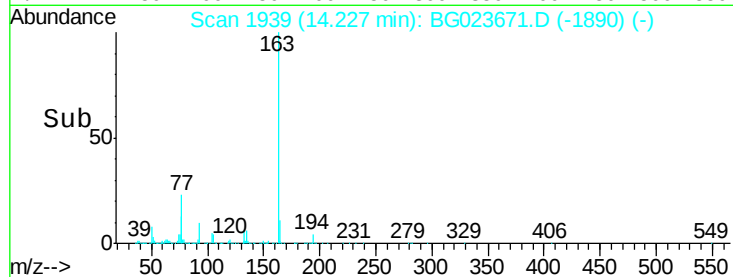
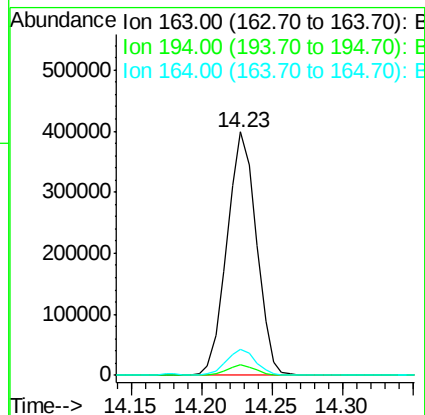
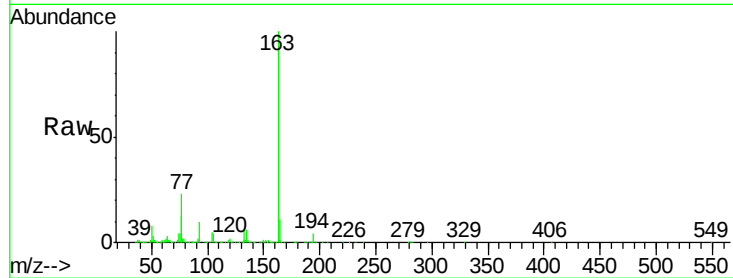
ClientSampleId :

P002-SS004-1218-01

Tgt Ion:	163	Resp:	578355
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.4	5.2
164	10.6	8.8	13.2

Manual Integrations
APPROVED

sohil
8/15/2016 6:50:10 PM



#47

Acenaphthylene

Concen: 3.00 ng/ul

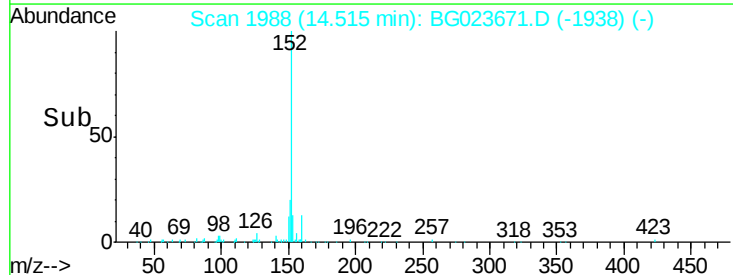
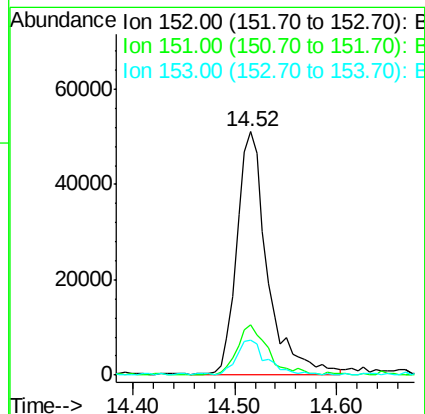
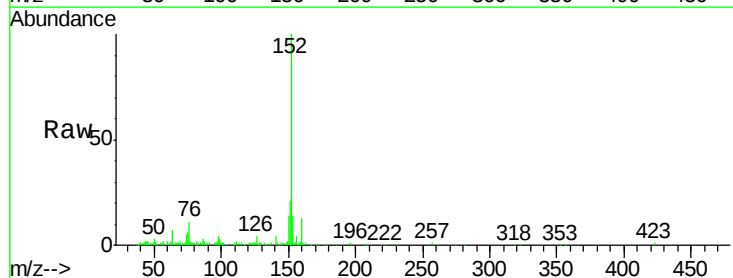
RT: 14.52 min Scan# 1988

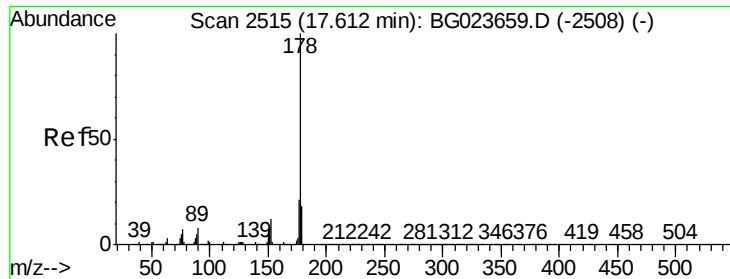
Delta R.T. -0.01 min

Lab File: BG023671.D

Acq: 13 Aug 2016 00:44

Tgt Ion:	152	Resp:	107113
Ion Ratio	Lower	Upper	
152	100		
151	20.6	17.5	26.3
153	14.2	11.1	16.7





#69

Phenanthrene

Concen: 11.63 ng/ul

RT: 17.59 min Scan# 2512

Delta R.T. -0.02 min

Lab File: BG023671.D

Acq: 13 Aug 2016 00:44

Instrument :

BNA_G

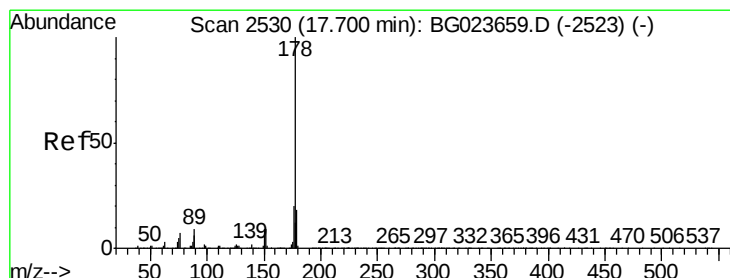
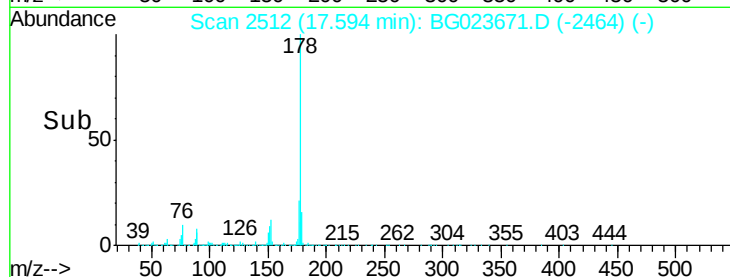
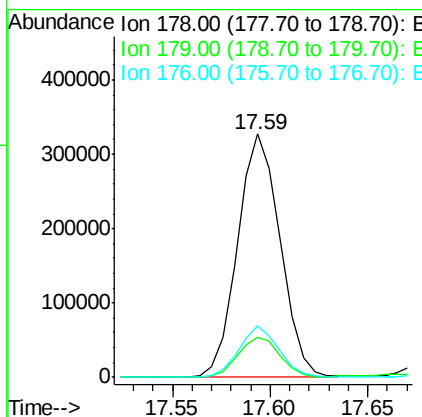
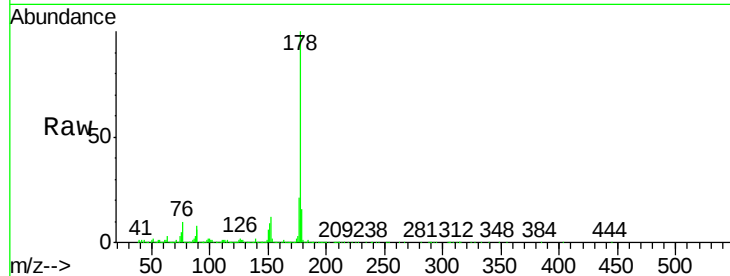
ClientSampleId :

P002-SS004-1218-01

Tgt Ion:	178	Resp:	489137
Ion Ratio		Lower	Upper
178	100		
179	16.4	12.9	19.3
176	21.3	15.8	23.8

Manual Integrations
APPROVED

sohil
8/15/2016 6:50:10 PM



#71

Anthracene

Concen: 1.98 ng/ul

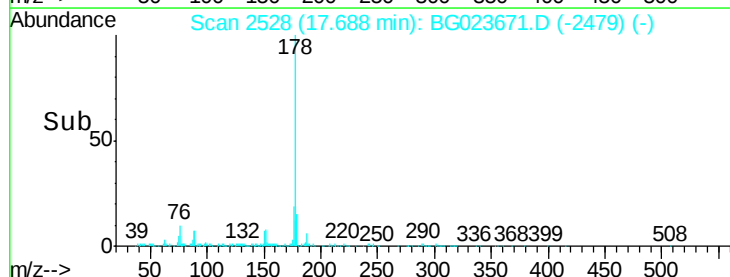
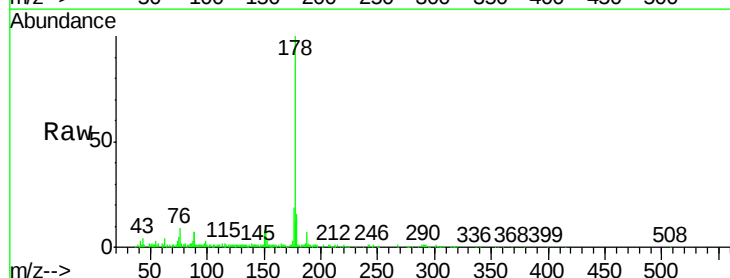
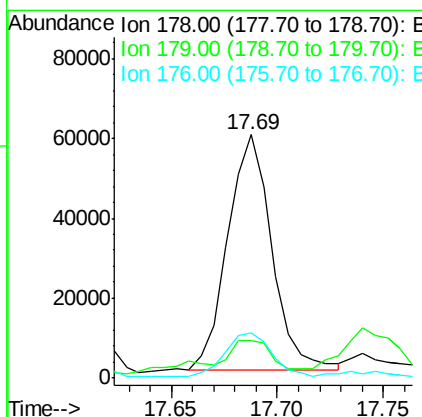
RT: 17.69 min Scan# 2528

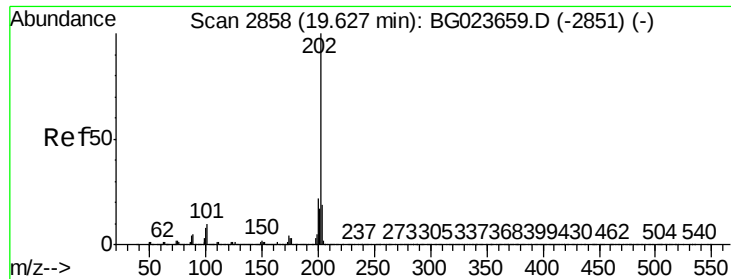
Delta R.T. -0.01 min

Lab File: BG023671.D

Acq: 13 Aug 2016 00:44

Tgt Ion:	178	Resp:	85116
Ion Ratio		Lower	Upper
178	100		
179	15.7	12.3	18.5
176	18.8	16.3	24.5





#74

Fluoranthene

Concen: 25.31 ng/ul

RT: 19.61 min Scan# 2855

Delta R.T. -0.02 min

Lab File: BG023671.D

Acq: 13 Aug 2016 00:44

Instrument :

BNA_G

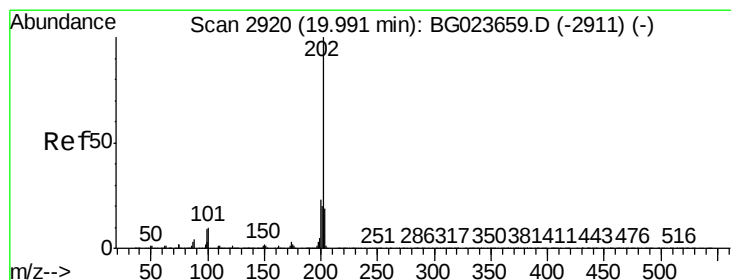
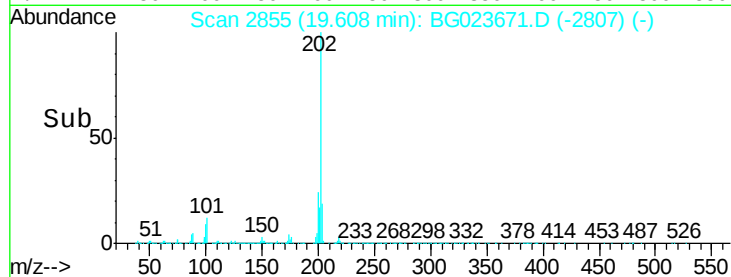
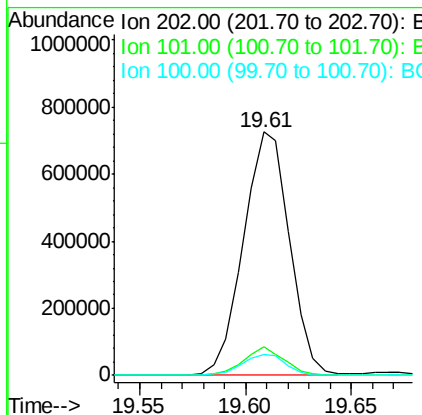
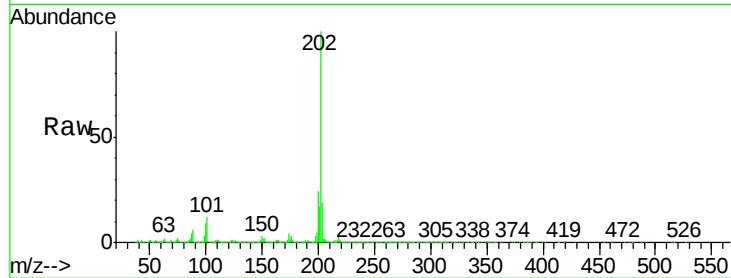
ClientSampleId :

P002-SS004-1218-01

Tgt Ion:	202	Resp:	1089857
Ion Ratio	Lower	Upper	
202	100		
101	11.9	10.6	16.0
100	8.7	8.7	13.1#

Manual Integrations
APPROVED

sohil
8/15/2016 6:50:10 PM



#77

Pyrene

Concen: 25.23 ng/ul

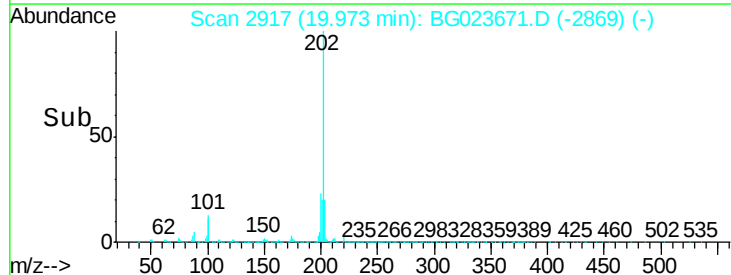
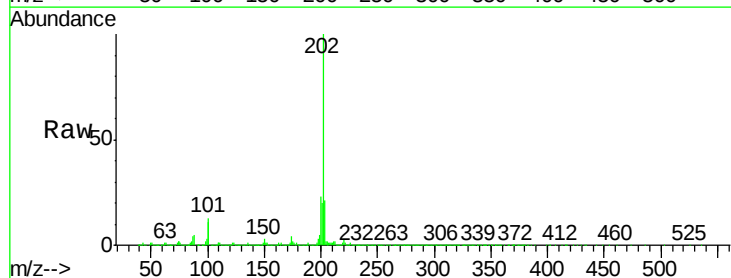
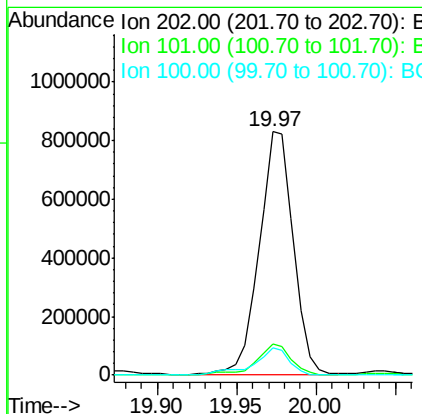
RT: 19.97 min Scan# 2917

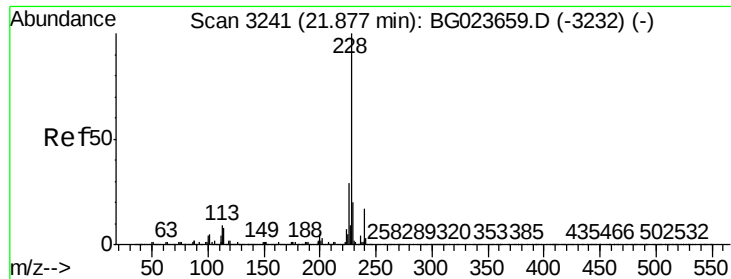
Delta R.T. -0.02 min

Lab File: BG023671.D

Acq: 13 Aug 2016 00:44

Tgt Ion:	202	Resp:	1240237
Ion Ratio	Lower	Upper	
202	100		
101	12.9	12.5	18.7
100	11.1	10.2	15.4





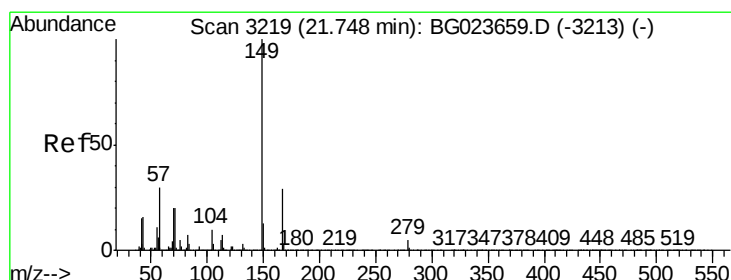
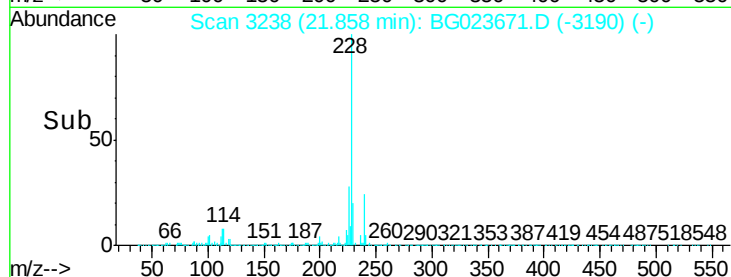
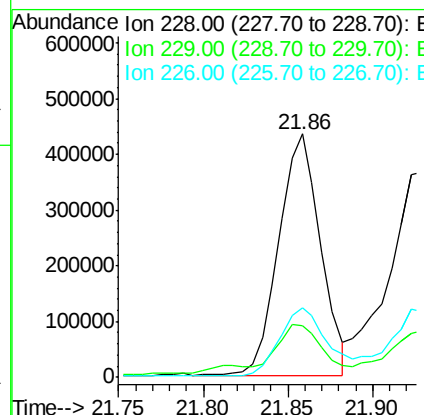
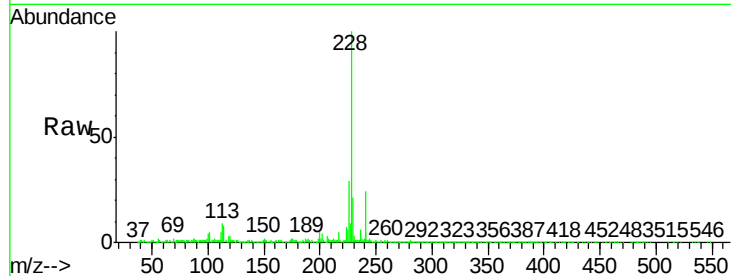
#80
Benzo(a)anthracene
Concen: 16.66 ng/ul
RT: 21.86 min Scan# 3238
Delta R.T. -0.02 min
Lab File: BG023671.D
Acq: 13 Aug 2016 00:44

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.4	23.2
226	28.6	22.8	34.2

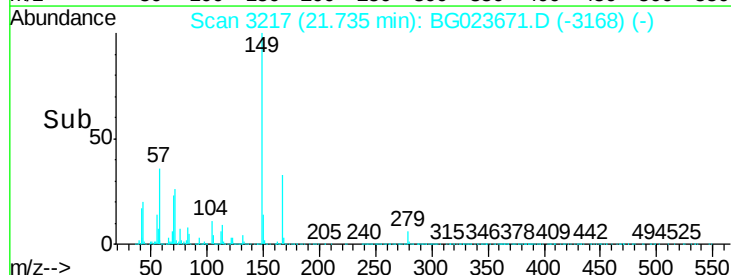
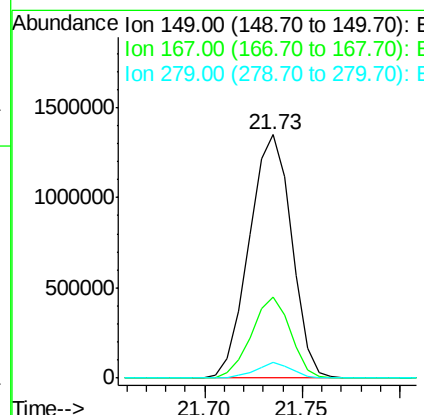
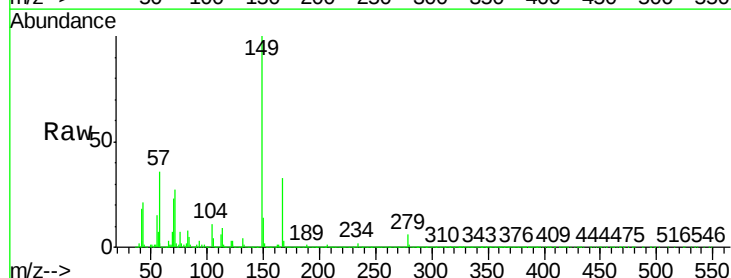
Manual Integrations
APPROVED

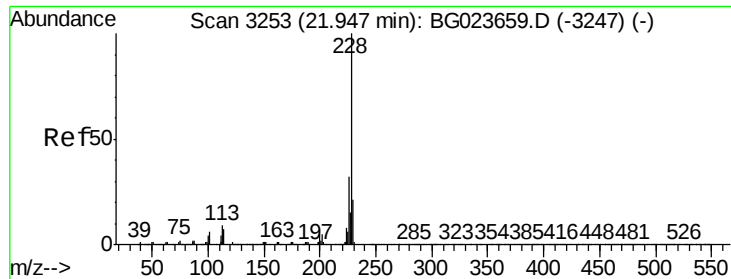
sohil
8/15/2016 6:50:10 PM



#81
Bis(2-ethylhexyl)phthalate
Concen: 80.34 ng/ul
RT: 21.73 min Scan# 3217
Delta R.T. -0.01 min
Lab File: BG023671.D
Acq: 13 Aug 2016 00:44

Tgt Ion	Ratio	Lower	Upper
149	100		
167	33.1	21.9	32.9#
279	6.3	2.9	4.3#





#82

Chrysene

Concen: 18.75 ng/ul m

RT: 21.93 min Scan# 3250

Delta R.T. -0.02 min

Lab File: BG023671.D

Acq: 13 Aug 2016 00:44

Instrument :

BNA_G

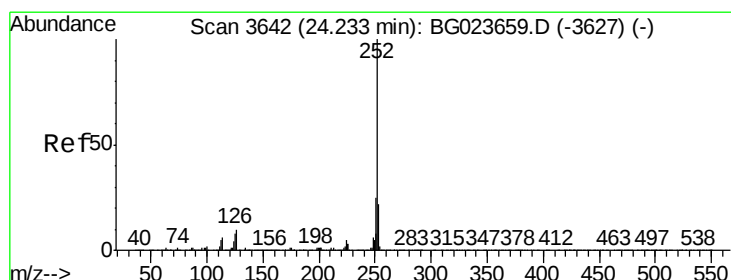
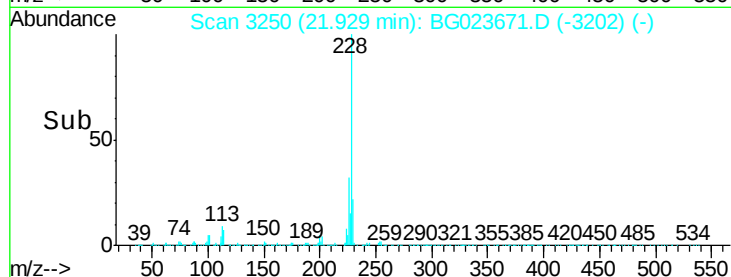
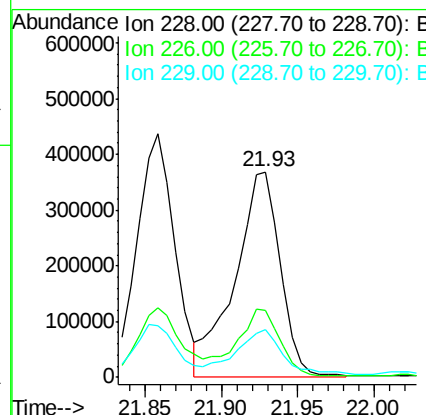
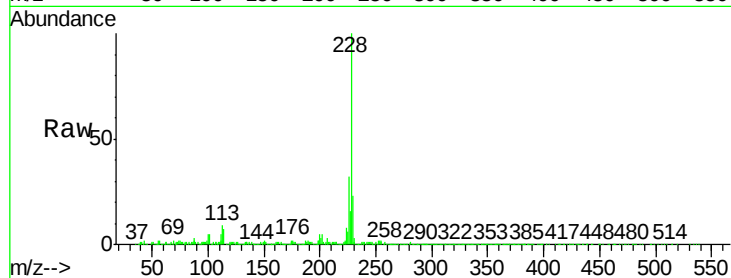
ClientSampleId :

P002-SS004-1218-01

Tgt Ion:	228	Resp:	763782
Ion Ratio	Lower	Upper	
228	100		
226	32.4	24.2	36.4
229	23.1	15.0	22.6#

Manual Integrations
APPROVED

sohil
8/15/2016 6:50:10 PM



#85

Benzo(b)fluoranthene

Concen: 18.78 ng/ul

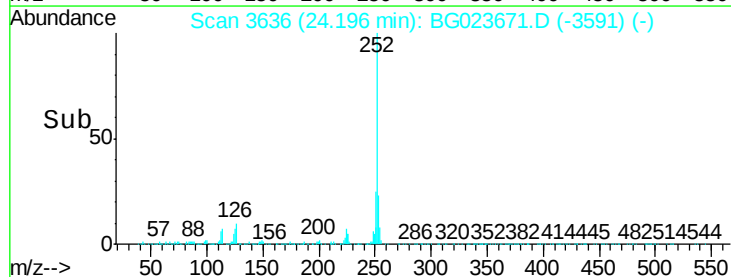
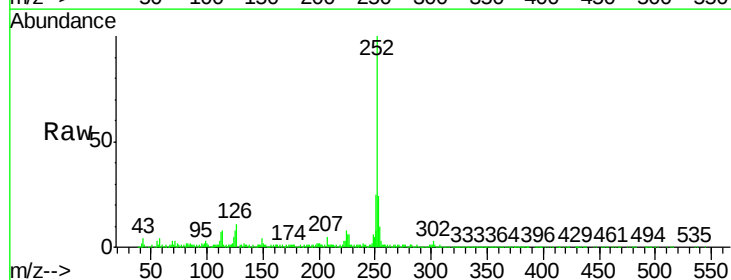
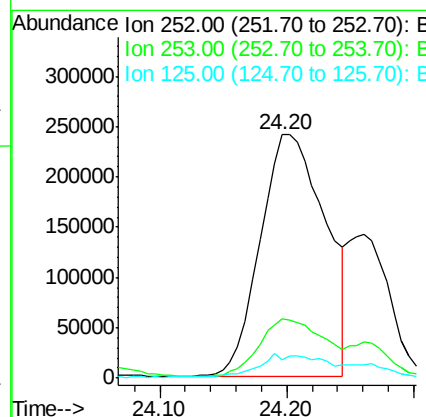
RT: 24.20 min Scan# 3636

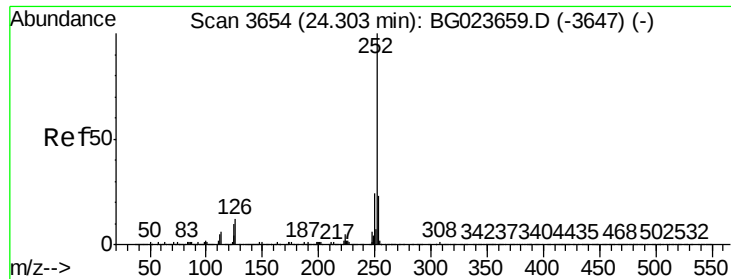
Delta R.T. -0.04 min

Lab File: BG023671.D

Acq: 13 Aug 2016 00:44

Tgt Ion:	252	Resp:	859830
Ion Ratio	Lower	Upper	
252	100		
253	24.3	18.2	27.2
125	7.6	10.8	16.2#





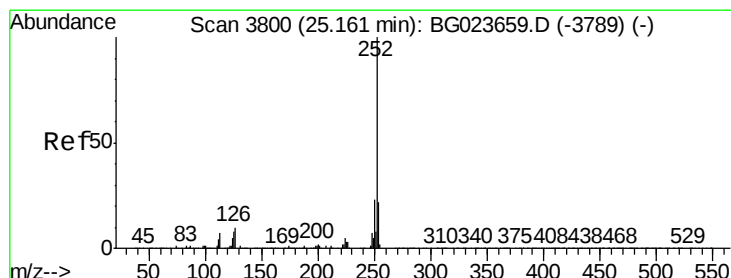
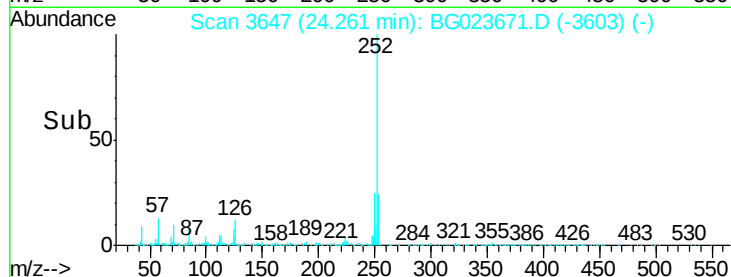
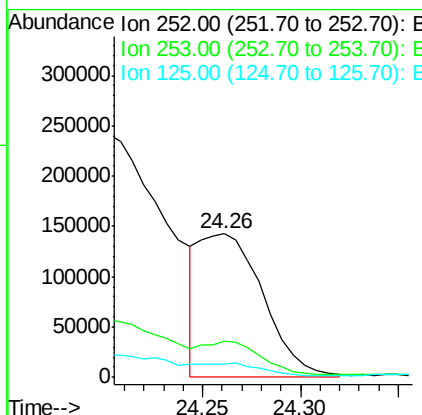
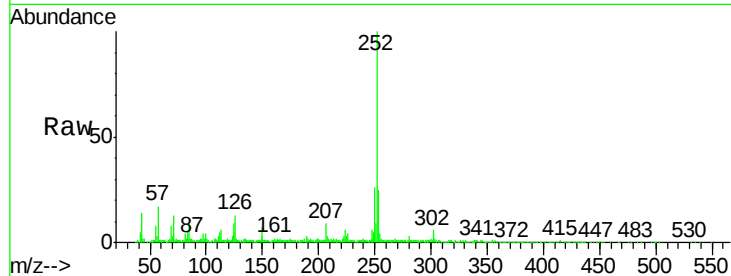
#86
Benzo(k)fluoranthene
Concen: 7.14 ng/ul m
RT: 24.26 min Scan# 3647
Delta R.T. -0.04 min
Lab File: BG023671.D
Acq: 13 Aug 2016 00:44

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.8	15.8	23.6#
125	9.3	10.6	16.0#

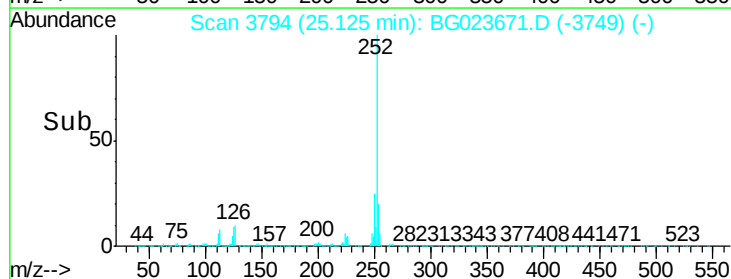
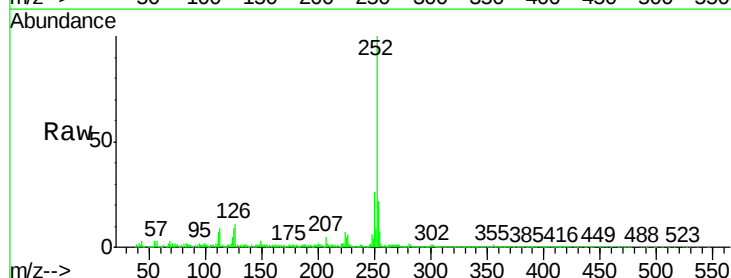
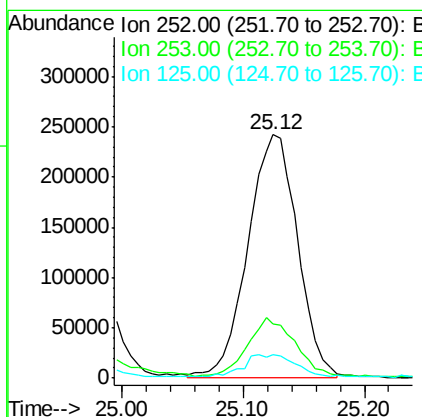
Manual Integrations
APPROVED

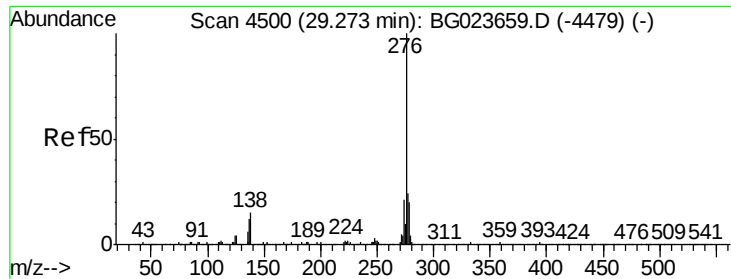
sohil
8/15/2016 6:50:10 PM



#88
Benzo(a)pyrene
Concen: 15.63 ng/ul m
RT: 25.12 min Scan# 3794
Delta R.T. -0.04 min
Lab File: BG023671.D
Acq: 13 Aug 2016 00:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.0	19.0	28.4
125	9.5	12.0	18.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 8.15 ng/ul

RT: 29.20 min Scan# 4487

Delta R.T. -0.08 min

Lab File: BG023671.D

Acq: 13 Aug 2016 00:44

Instrument :

BNA_G

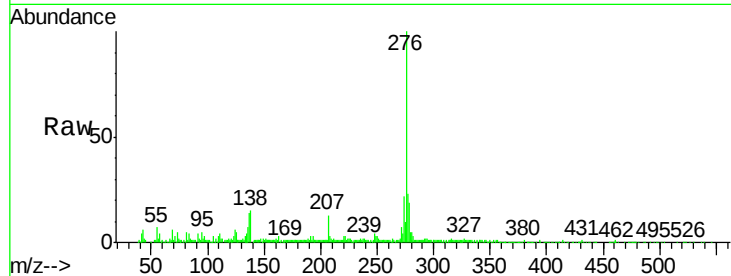
ClientSampleId :

P002-SS004-1218-01

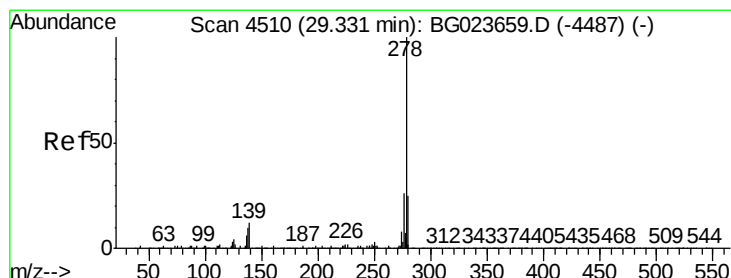
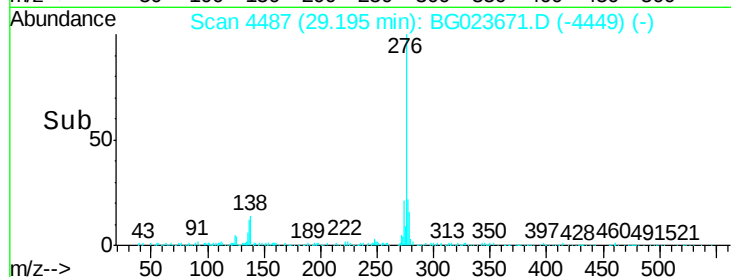
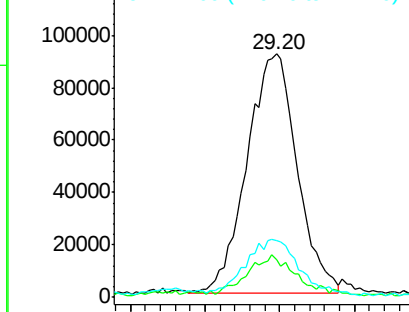
Tgt Ion:	276	Resp:	423383
Ion Ratio		Lower	Upper
276	100		
138	15.2	20.8	31.2#
277	23.4	17.6	26.4

Manual Integrations
APPROVED

sohil
8/15/2016 6:50:10 PM



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#90

Dibenzo(a,h)anthracene

Concen: 3.00 ng/ul m

RT: 29.22 min Scan# 4491

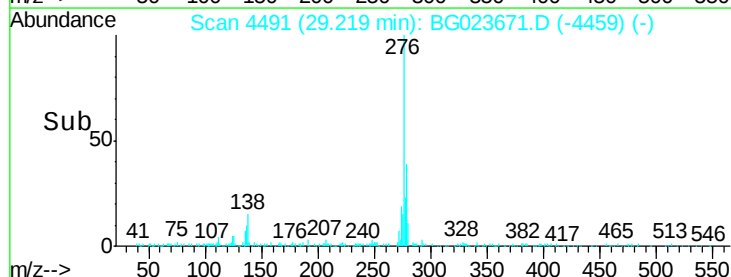
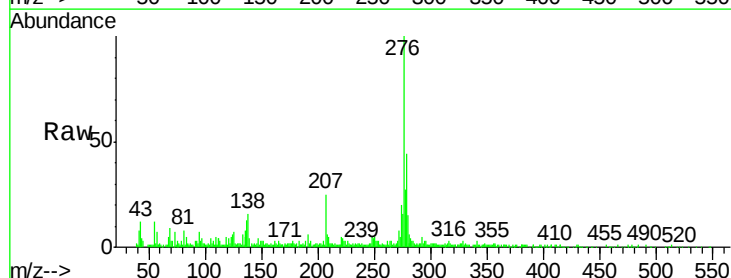
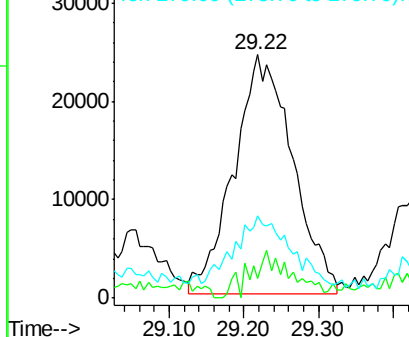
Delta R.T. -0.11 min

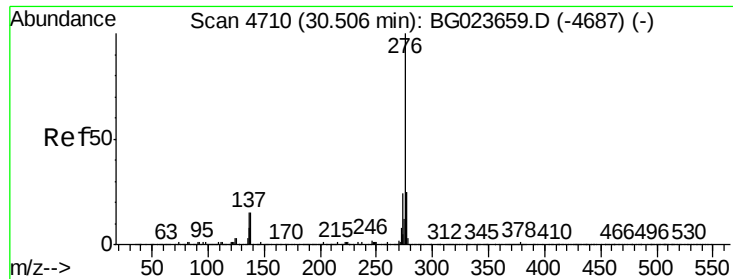
Lab File: BG023671.D

Acq: 13 Aug 2016 00:44

Tgt Ion:	278	Resp:	132846
Ion Ratio		Lower	Upper
278	100		
139	8.1	16.3	24.5#
279	33.6	19.1	28.7#

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 9.41 ng/ul m

RT: 30.42 min Scan# 4695

Delta R.T. -0.09 min

Lab File: BG023671.D

Acq: 13 Aug 2016 00:44

Instrument :

BNA_G

ClientSampleId :

P002-SS004-1218-01

Tgt	Ion	Ratio	Lower	Upper
276	100			
138	17.2	22.1	33.1#	
277	22.5	17.0	25.4	

Manual Integrations
APPROVED

sohil
8/15/2016 6:50:10 PM

