

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
 Data File : BG037459.D
 Acq On : 19 Oct 2018 18:33
 Operator : JU/SJ
 Sample : J5164-07
 Misc : LOD 5PPM
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Manual Integrations
 APPROVED

Sohil
 10/22/2018 3:39:22 PM

Quant Time: Oct 20 01:51:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	51035	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	235465	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	158229	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	381172	20.00	ng	0.00
76) Chrysene-d12	21.77	240	353473	20.00	ng	0.00
87) Perylene-d12	25.11	264	353596	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	439388	143.94	ng	0.00
7) Phenol-d6	7.24	99	641096	138.89	ng	0.00
23) Nitrobenzene-d5	9.28	82	358883	85.38	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	241598	139.99	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	869165	82.83	ng	0.00
79) Terphenyl-d14	20.09	244	1324316	80.06	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.54	88	6962	4.497	ng	95
3) Pyridine	3.95	79	19464	4.988	ng	# 81
4) n-Nitrosodimethylamine	3.86	42	7706	5.545	ng	88
32) Benzoic acid	10.12	122	3980m	1.745	ng	
33) 4-Chloroaniline	11.09	127	20025	3.685	ng	94
35) Caprolactam	11.85	113	5922	3.776	ng	# 90
53) 3-Nitroaniline	14.65	138	10900	3.626	ng	94
56) 4-Nitrophenol	14.94	139	6050	2.719	ng	93
65) 4,6-Dinitro-2-methylphenol	15.85	198	2786	9.653	ng	84

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

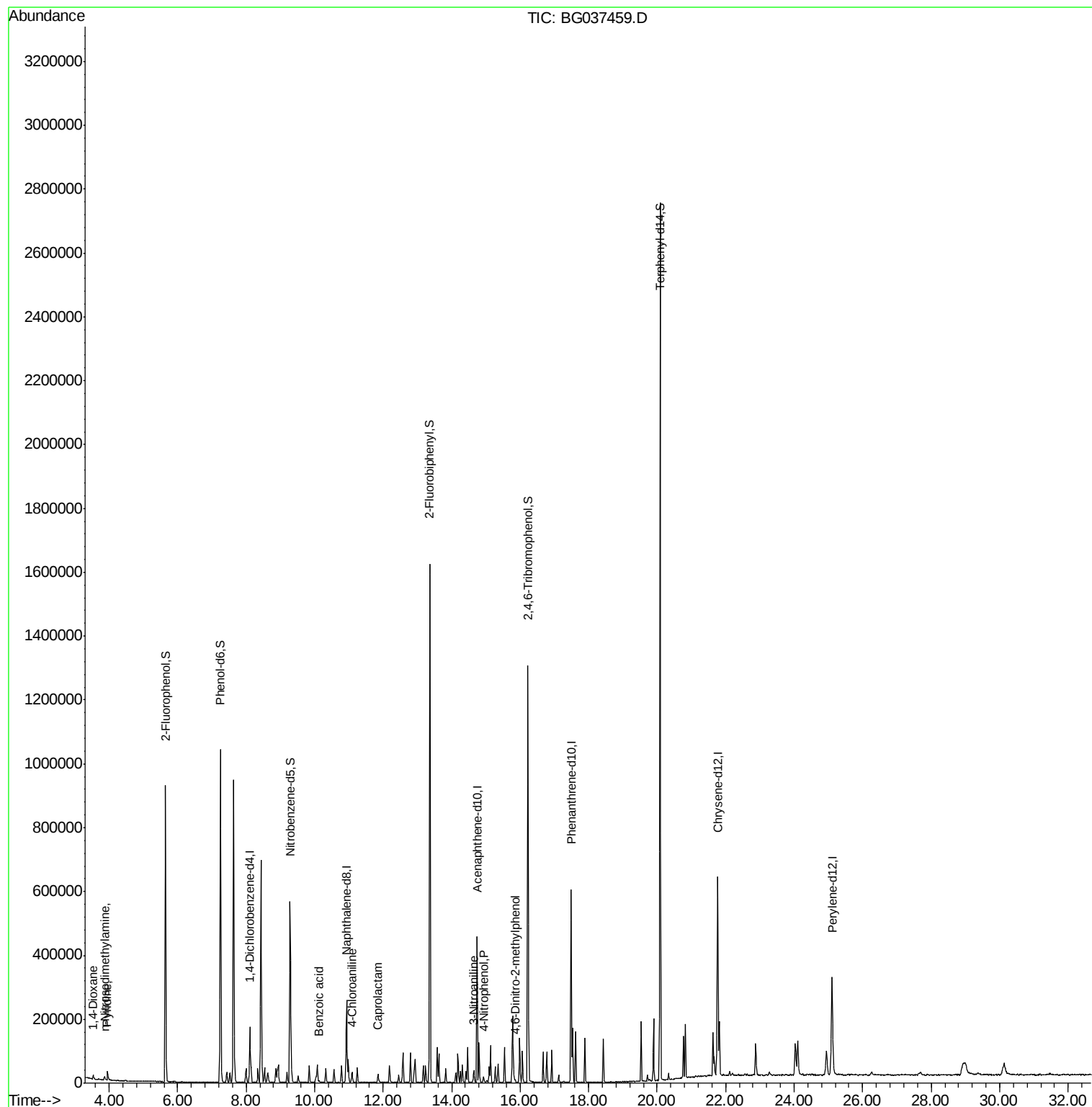
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
Data File : BG037459.D
Acq On : 19 Oct 2018 18:33
Operator : JU/SJ
Sample : J5164-07
Misc : LOD 5PPM
ALS Vial : 15 Sample Multiplier: 1

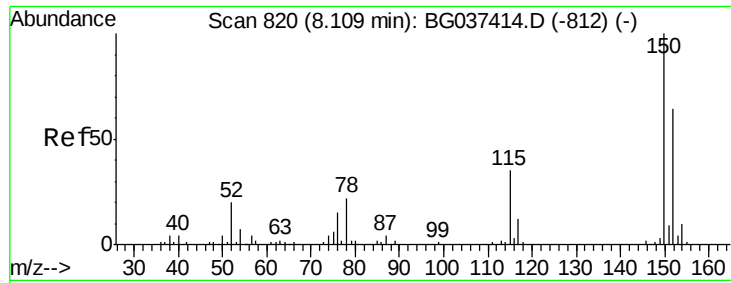
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:22 PM

Quant Time: Oct 20 01:51:40 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG101818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 18 14:06:42 2018
Response via : Initial Calibration





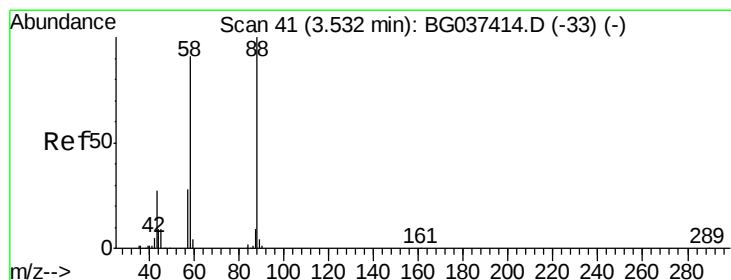
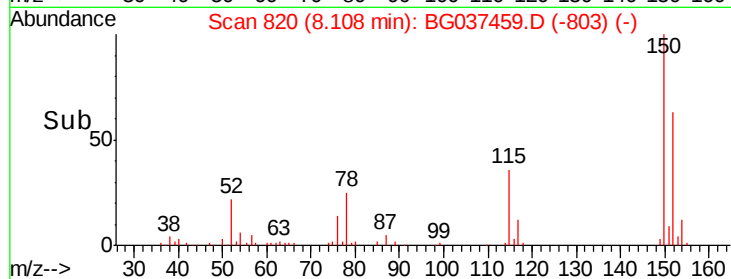
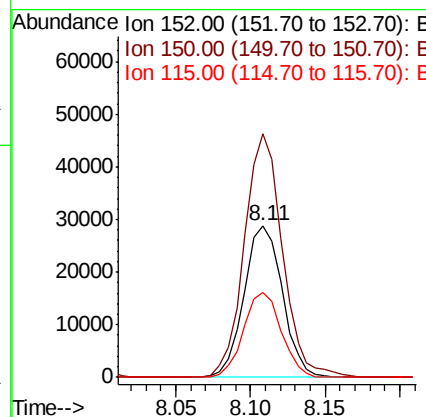
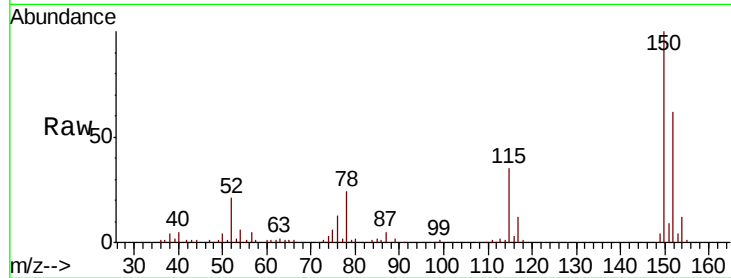
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.11 min Scan# 820
 Delta R.T. -0.00 min
 Lab File: BG037459.D
 Acq: 19 Oct 2018 18:33

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.2	126.0	189.0
115	56.2	45.5	68.3

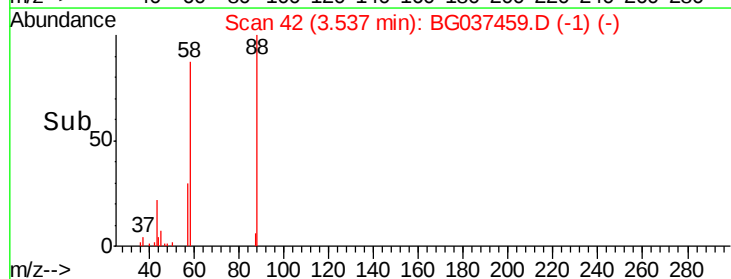
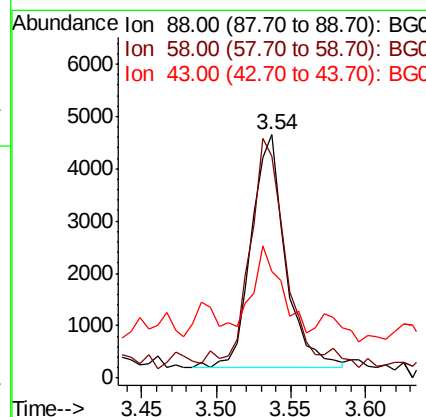
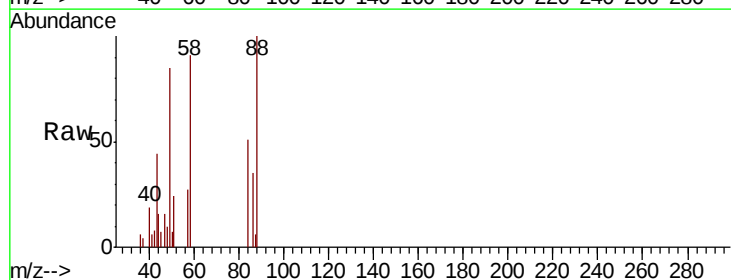
Manual Integrations
 APPROVED

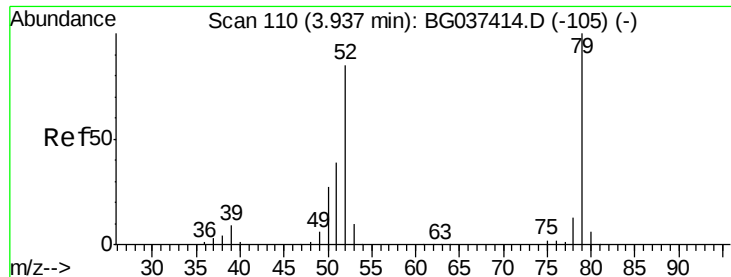
Sohil
 10/22/2018 3:39:22 PM



#2
 1,4-Dioxane
 Concen: 4.497 ng
 RT: 3.54 min Scan# 42
 Delta R.T. 0.01 min
 Lab File: BG037459.D
 Acq: 19 Oct 2018 18:33

Tgt Ion	Ratio	Lower	Upper
88	100		
58	97.8	74.4	111.6
43	29.5	25.8	38.8





#3

Pyridine

Concen: 4.988 ng

RT: 3.95 min Scan# 112

Delta R.T. 0.01 min

Lab File: BG037459.D

Acq: 19 Oct 2018 18:33

Instrument :

BNA_G

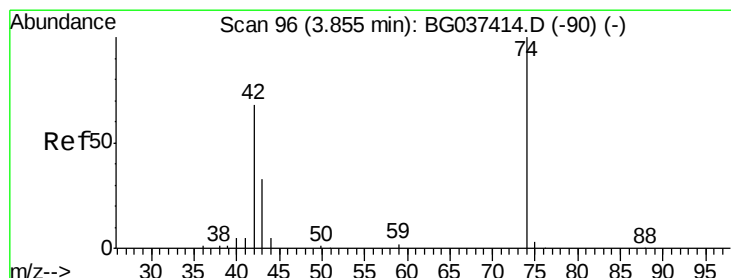
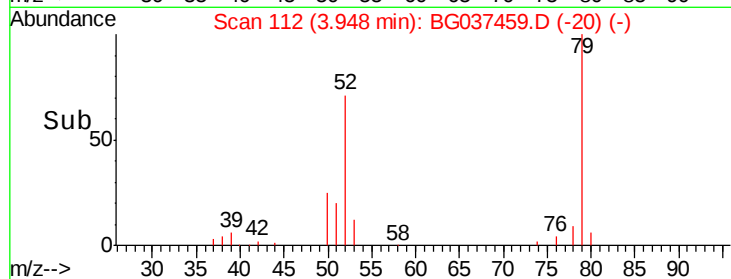
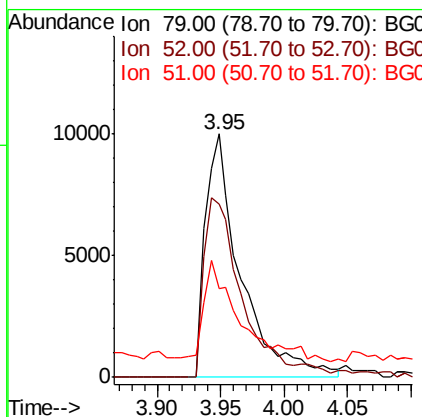
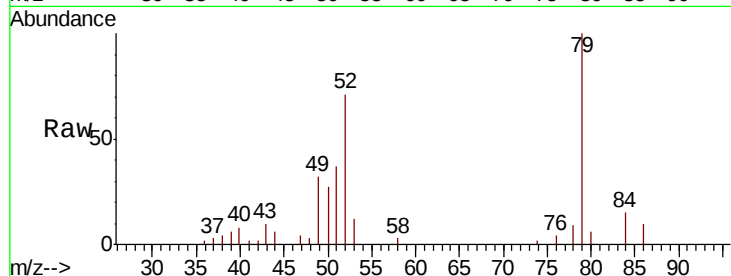
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	79	Resp:	19464
Ion	Ratio	Lower	Upper
79	100		
52	71.3	74.2	111.2#
51	36.6	34.6	51.8

Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:22 PM



#4

n-Nitrosodimethylamine

Concen: 5.545 ng

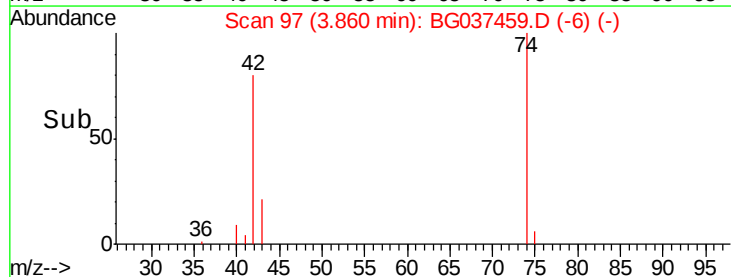
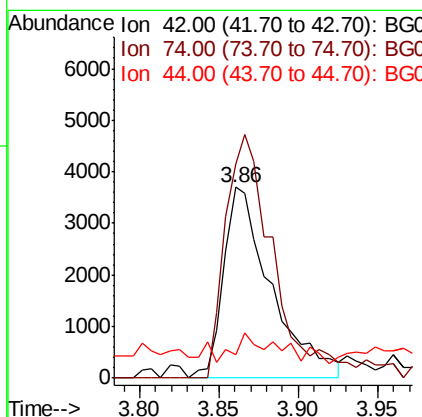
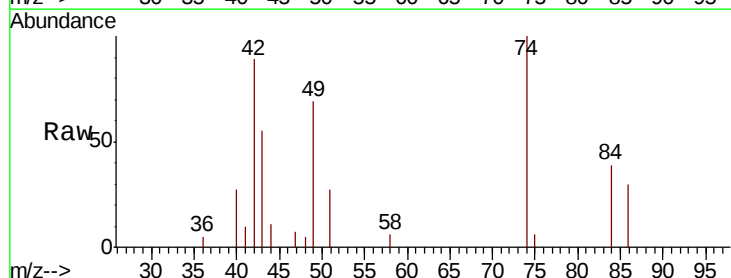
RT: 3.86 min Scan# 97

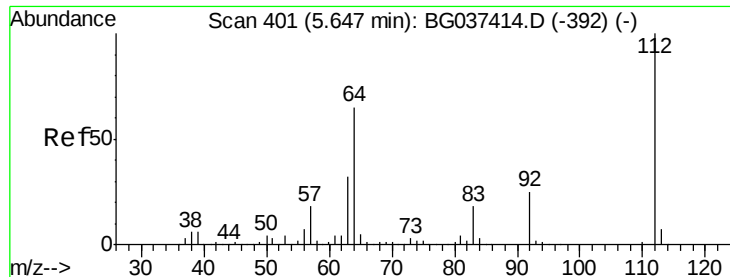
Delta R.T. 0.01 min

Lab File: BG037459.D

Acq: 19 Oct 2018 18:33

Tgt Ion:	42	Resp:	7706
Ion	Ratio	Lower	Upper
42	100		
74	112.2	102.0	153.0
44	12.6	9.6	14.4





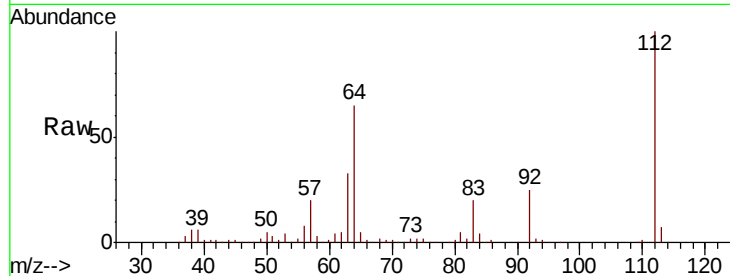
#5
 2-Fluorophenol
 Concen: 143.939 ng
 RT: 5.65 min Scan# 401
 Delta R.T. -0.00 min
 Lab File: BG037459.D
 Acq: 19 Oct 2018 18:33

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

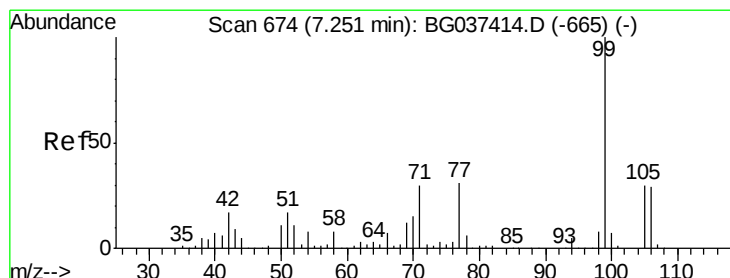
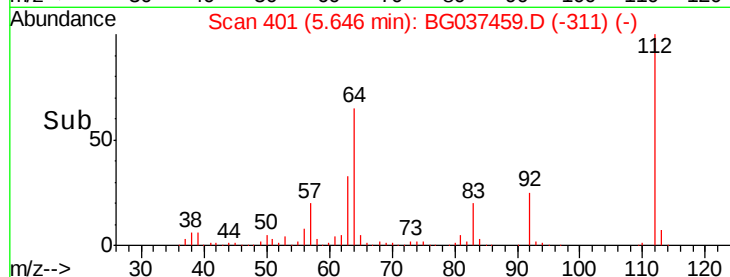
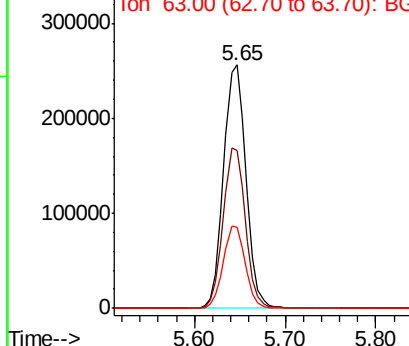
Tgt Ion	Ratio	Resp	Lower	Upper
112	100	439388		
64	65.1	53.1	79.7	
63	33.1	27.3	40.9	

Manual Integrations
 APPROVED

Sohil
 10/22/2018 3:39:22 PM

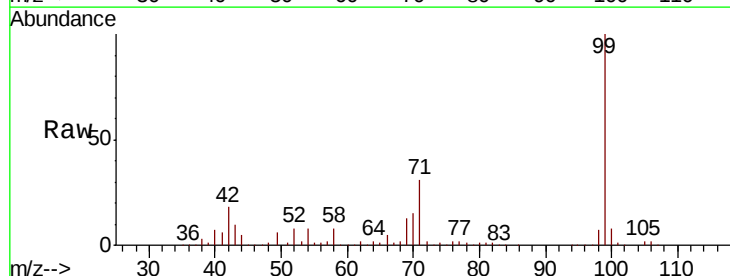


Abundance Ion 112.00 (111.70 to 112.70): BGC
 Ion 64.00 (63.70 to 64.70): BGC
 Ion 63.00 (62.70 to 63.70): BGC

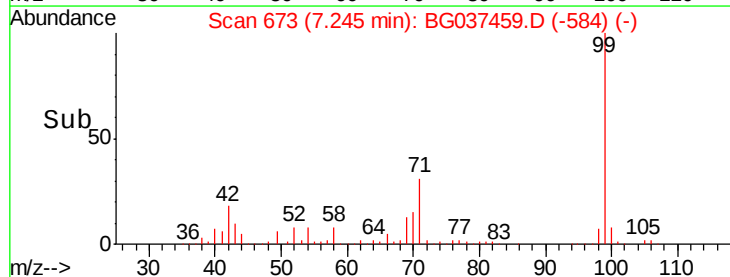
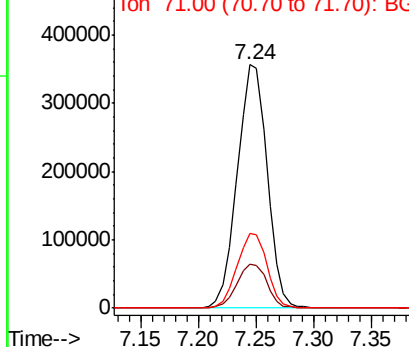


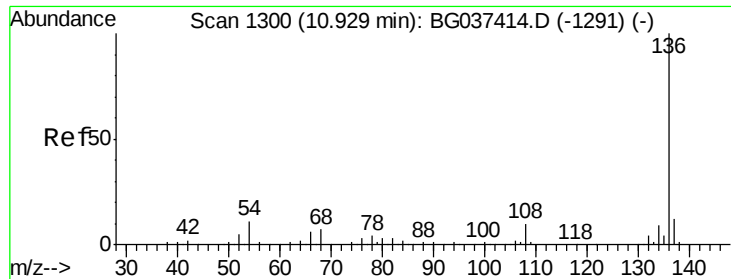
#7
 Phenol-d6
 Concen: 138.888 ng
 RT: 7.24 min Scan# 673
 Delta R.T. -0.01 min
 Lab File: BG037459.D
 Acq: 19 Oct 2018 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	641096		
42	18.2	15.0	22.4	
71	30.9	25.5	38.3	



Abundance Ion 99.00 (98.70 to 99.70): BGC
 Ion 42.00 (41.70 to 42.70): BGC
 Ion 71.00 (70.70 to 71.70): BGC





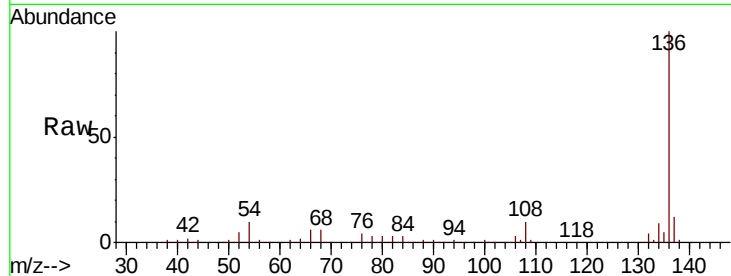
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037459.D
Acq: 19 Oct 2018 18:33

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

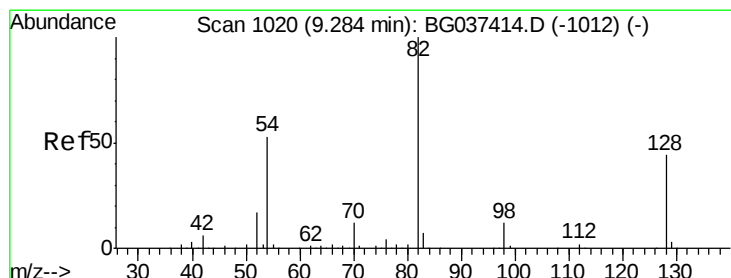
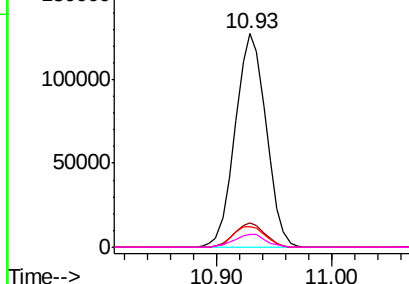
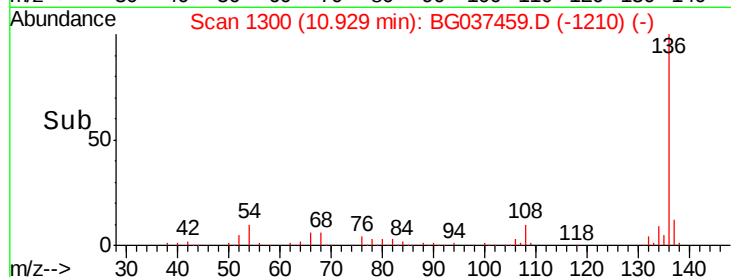
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	235465		
137	11.6	9.6	14.4	
54	9.8	7.9	11.9	
68	6.2	4.8	7.2	

Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:22 PM

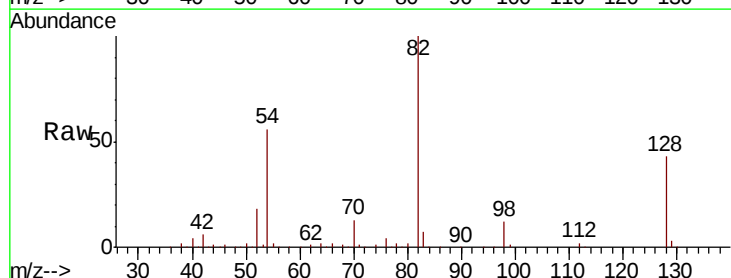


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

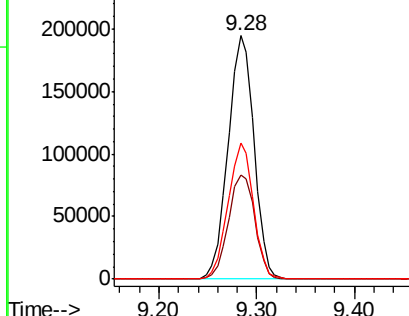
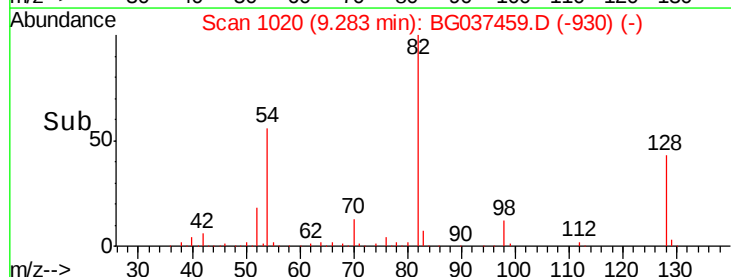


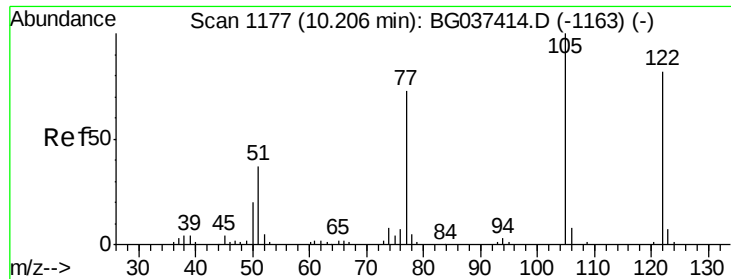
#23
Nitrobenzene-d5
Concen: 85.381 ng
RT: 9.28 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG037459.D
Acq: 19 Oct 2018 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	358883		
128	42.8	34.6	51.8	
54	55.7	45.3	67.9	



Abundance Ion 82.00 (81.70 to 82.70): BGC
250000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





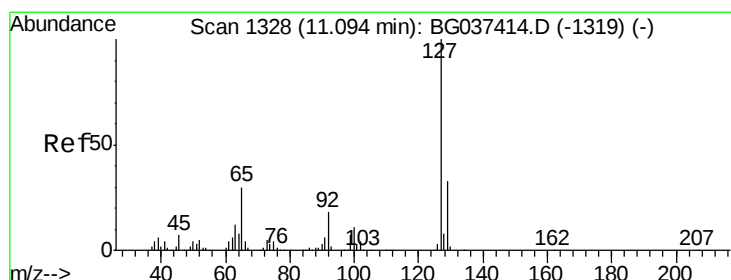
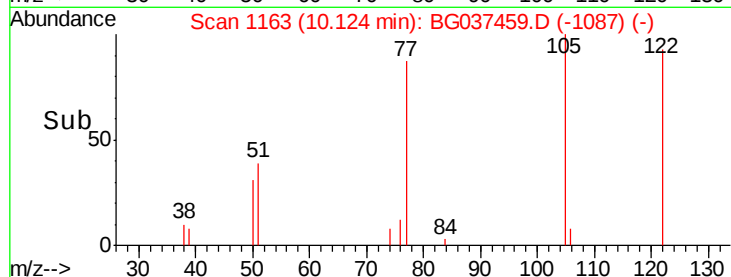
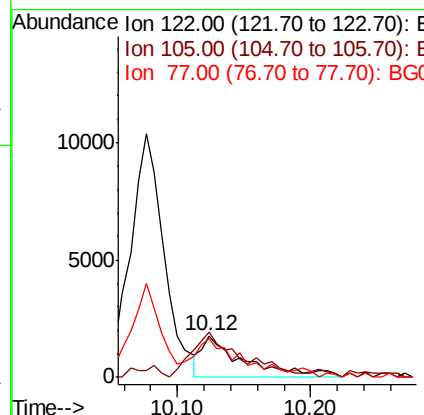
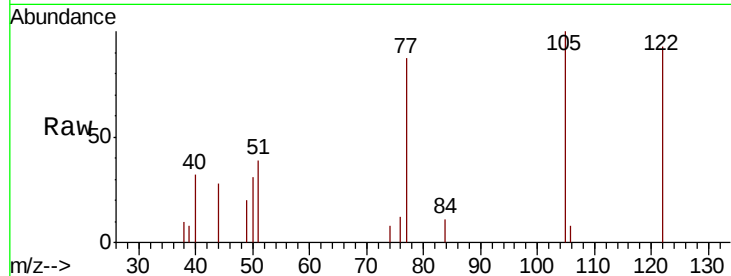
#32
Benzoic acid
Concen: 1.745 ng m
RT: 10.12 min Scan# 1163
Delta R.T. -0.08 min
Lab File: BG037459.D
Acq: 19 Oct 2018 18:33

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	3980		
105	107.2	106.7	146.7	
77	93.7	72.2	112.2	

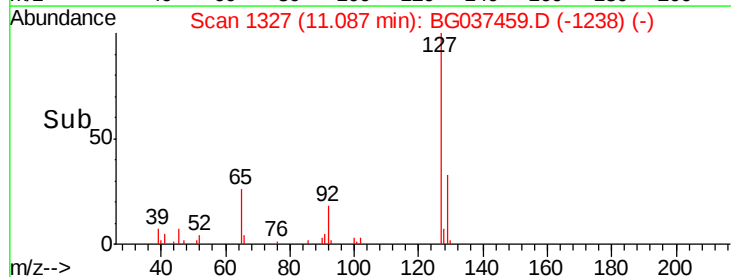
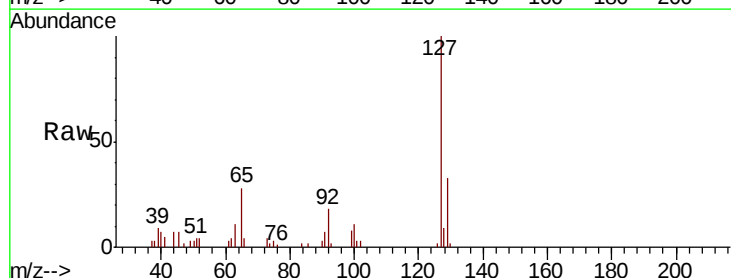
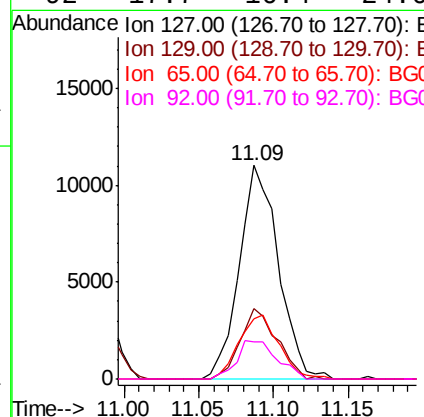
Manual Integrations
APPROVED

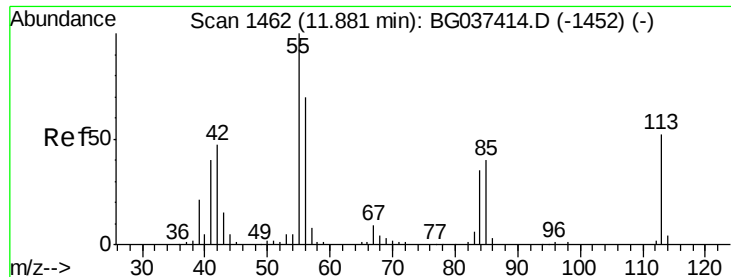
Sohil
10/22/2018 3:39:22 PM



#33
4-Chloroaniline
Concen: 3.685 ng
RT: 11.09 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BG037459.D
Acq: 19 Oct 2018 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	20025		
129	32.7	27.1	40.7	
65	27.9	26.6	39.8	
92	17.7	16.4	24.6	





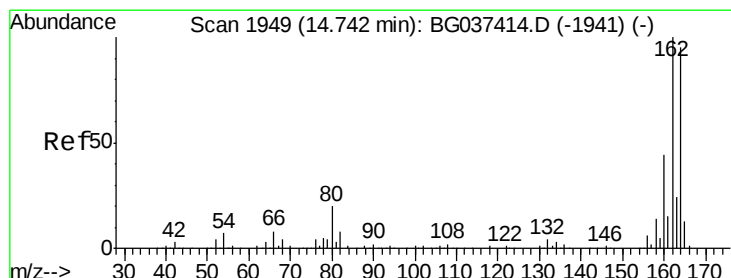
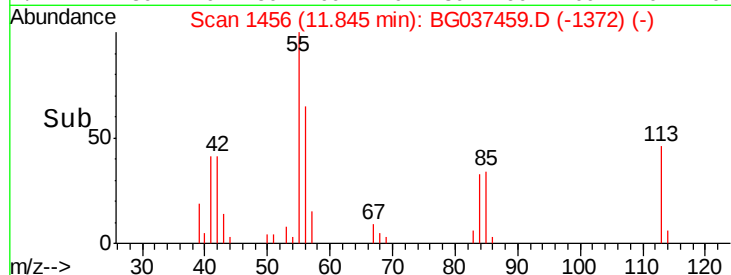
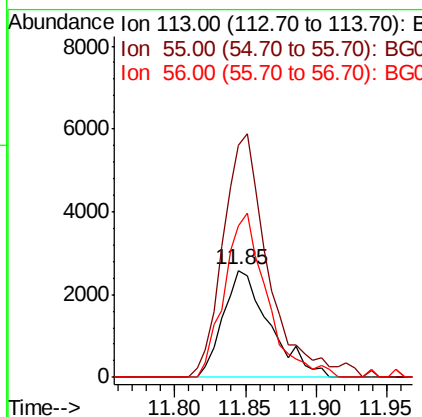
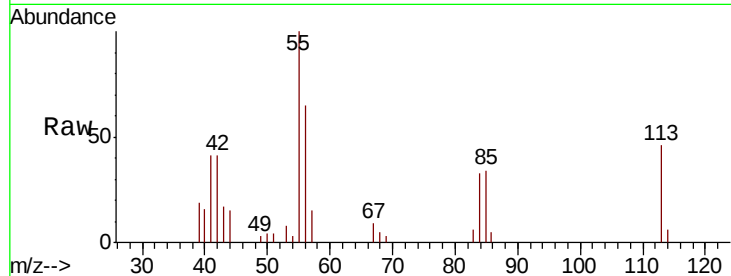
#35
 Caprolactam
 Concen: 3.776 ng
 RT: 11.85 min Scan# 1456
 Delta R.T. -0.04 min
 Lab File: BG037459.D
 Acq: 19 Oct 2018 18:33

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Tgt Ion:113 Resp: 5922
 Ion Ratio Lower Upper
 113 100
 55 217.5 176.6 216.6#
 56 142.0 128.3 168.3

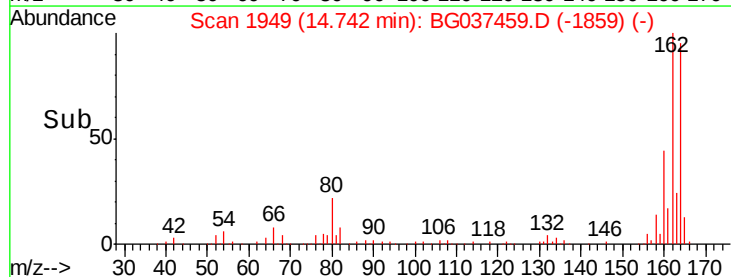
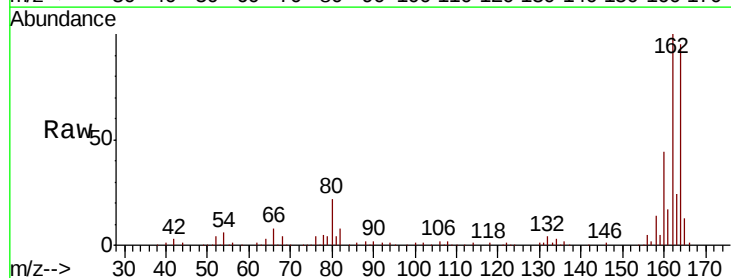
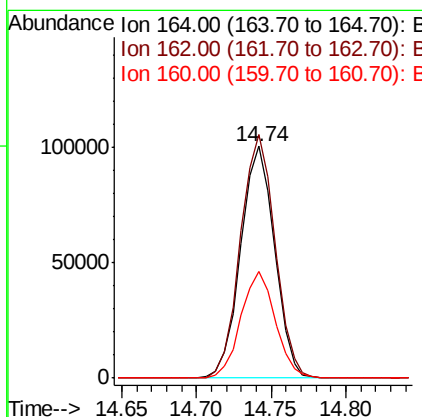
Manual Integrations
 APPROVED

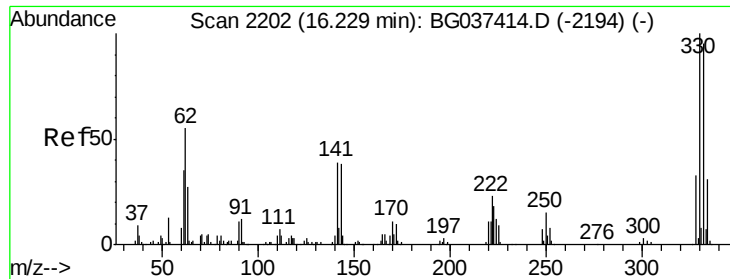
Sohil
 10/22/2018 3:39:22 PM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.74 min Scan# 1949
 Delta R.T. -0.00 min
 Lab File: BG037459.D
 Acq: 19 Oct 2018 18:33

Tgt Ion:164 Resp: 158229
 Ion Ratio Lower Upper
 164 100
 162 105.0 81.3 121.9
 160 46.0 36.3 54.5





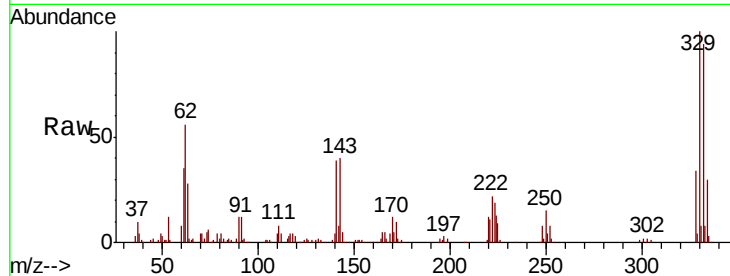
#42
 2,4,6-Tribromophenol
 Concen: 139.993 ng
 RT: 16.23 min Scan# 2202
 Delta R.T. -0.00 min
 Lab File: BG037459.D
 Acq: 19 Oct 2018 18:33

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	241598		
332	95.5	78.4	117.6	
141	40.5	32.2	48.2	

Manual Integrations
 APPROVED

Sohil
 10/22/2018 3:39:22 PM

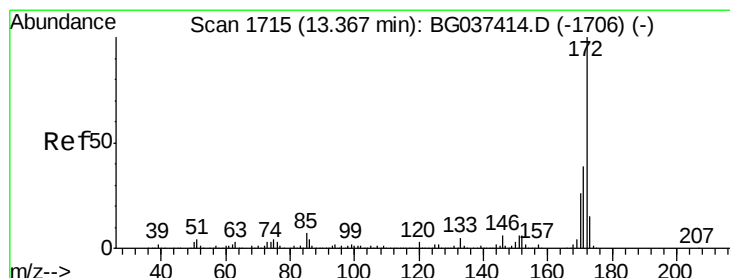
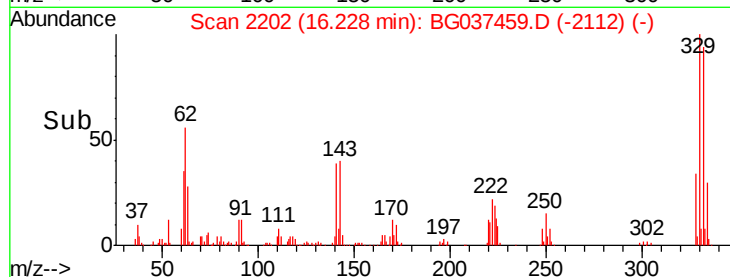
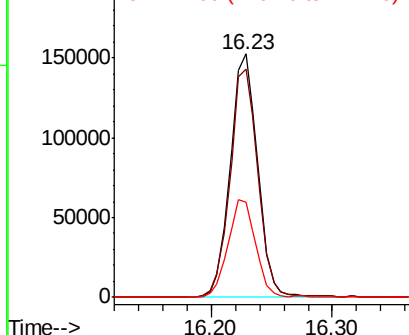


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 82.833 ng
 RT: 13.36 min Scan# 1714
 Delta R.T. -0.01 min
 Lab File: BG037459.D
 Acq: 19 Oct 2018 18:33

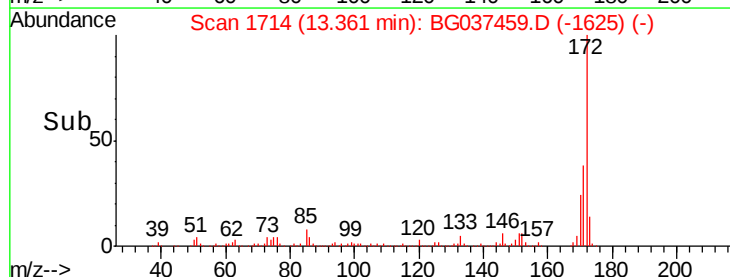
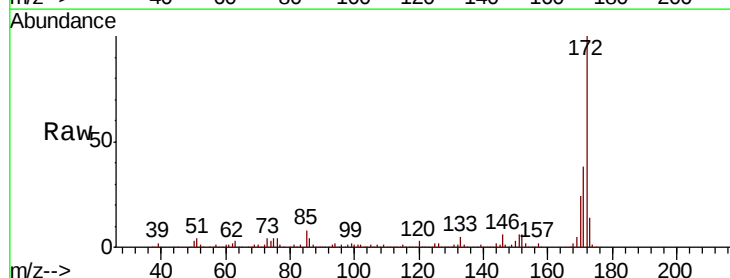
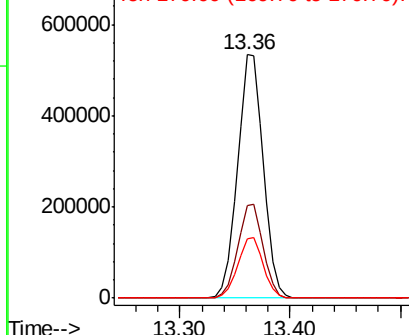
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	869165		
171	38.1	31.0	46.4	
170	24.4	20.2	30.2	

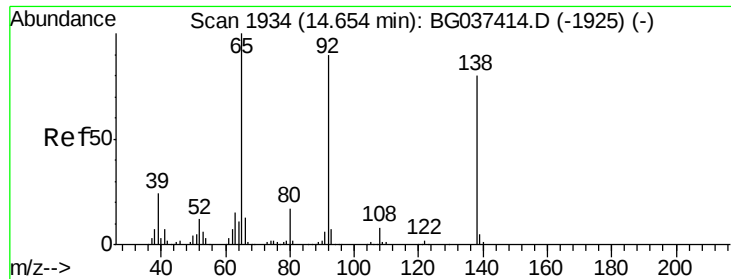
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





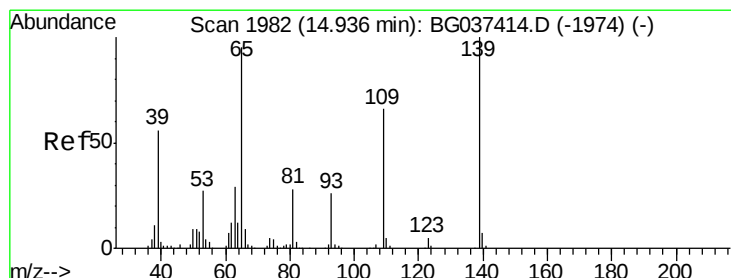
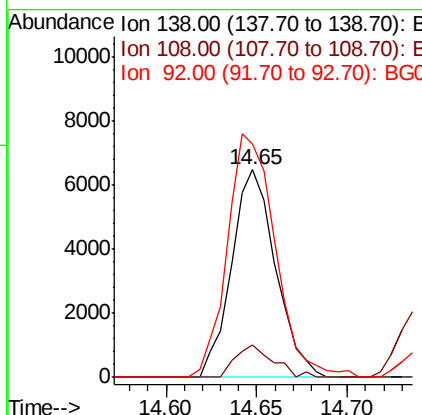
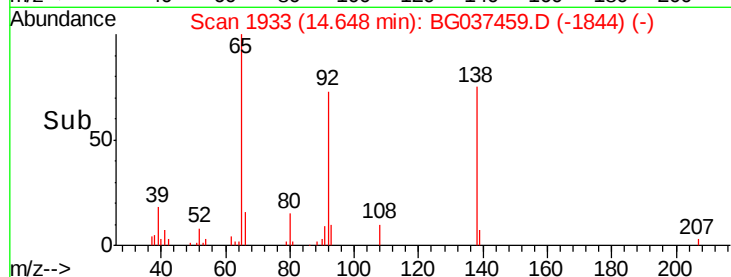
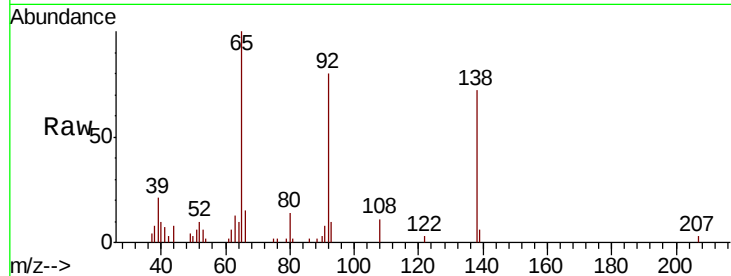
#53
3-Nitroaniline
Concen: 3.626 ng
RT: 14.65 min Scan# 1933
Delta R.T. -0.01 min
Lab File: BG037459.D
Acq: 19 Oct 2018 18:33

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:138 Resp: 10900
Ion Ratio Lower Upper
138 100
108 15.5 11.0 16.6
92 112.5 95.2 142.8

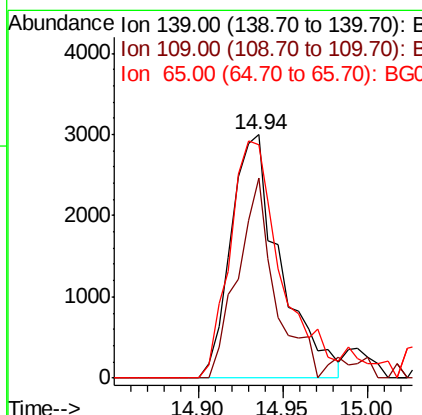
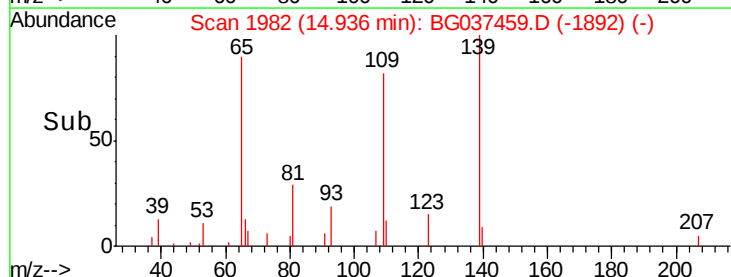
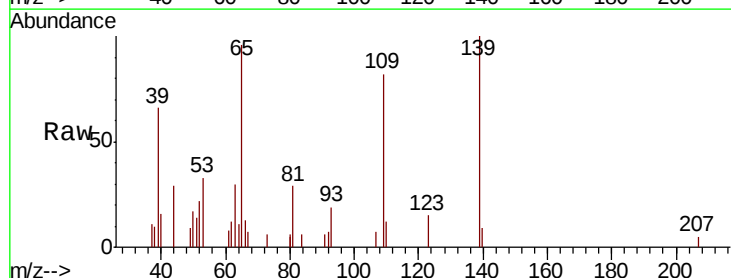
Manual Integrations
APPROVED

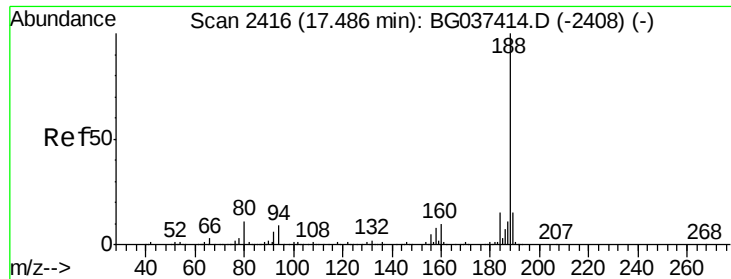
Sohil
10/22/2018 3:39:22 PM



#56
4-Nitrophenol
Concen: 2.719 ng
RT: 14.94 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BG037459.D
Acq: 19 Oct 2018 18:33

Tgt Ion:139 Resp: 6050
Ion Ratio Lower Upper
139 100
109 82.2 49.5 89.5
65 95.7 76.8 116.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.49 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG037459.D

Acq: 19 Oct 2018 18:33

Instrument :

BNA_G

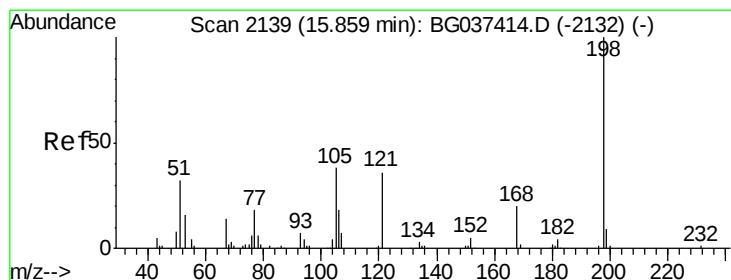
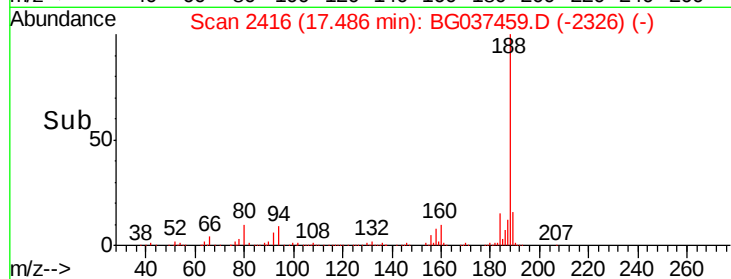
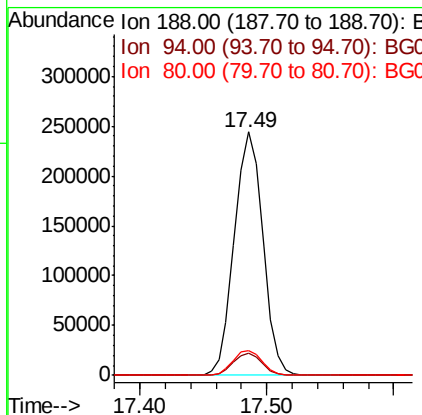
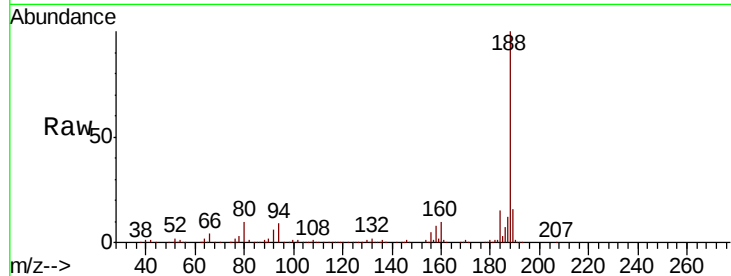
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	188	Resp:	381172
Ion Ratio	Lower	Upper	
188	100		
94	9.2	7.2	10.8
80	10.4	7.7	11.5

Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:22 PM



#65

4,6-Dinitro-2-methylphenol

Concen: 9.653 ng

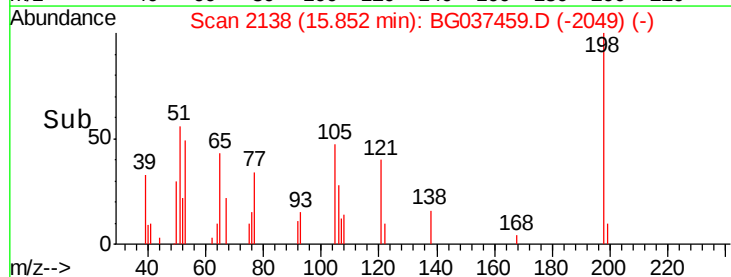
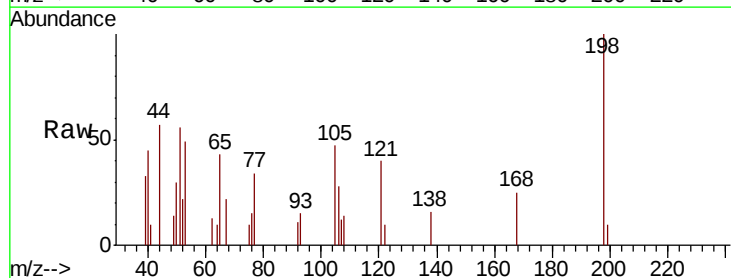
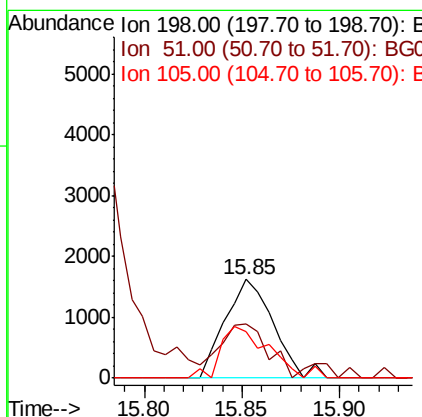
RT: 15.85 min Scan# 2138

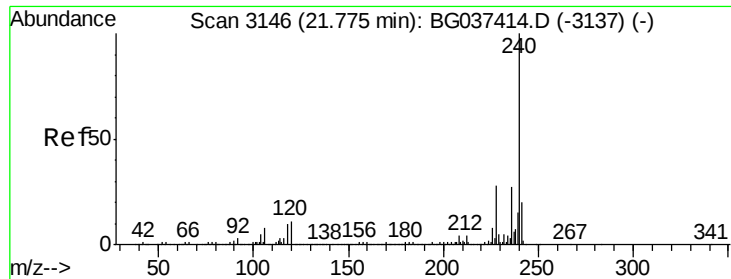
Delta R.T. -0.01 min

Lab File: BG037459.D

Acq: 19 Oct 2018 18:33

Tgt Ion:	198	Resp:	2786
Ion Ratio	Lower	Upper	
198	100		
51	55.7	22.7	62.7
105	47.1	19.7	59.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BG037459.D

Acq: 19 Oct 2018 18:33

Instrument :

BNA_G

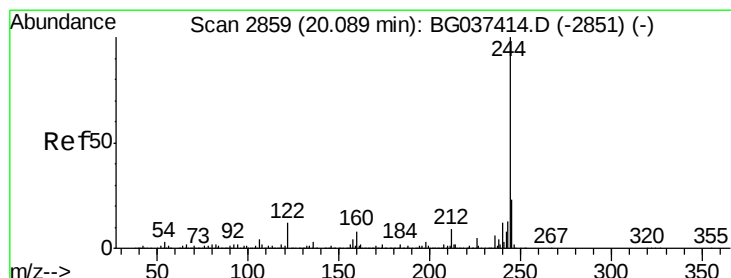
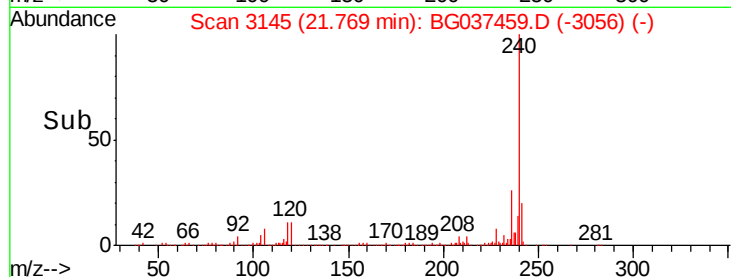
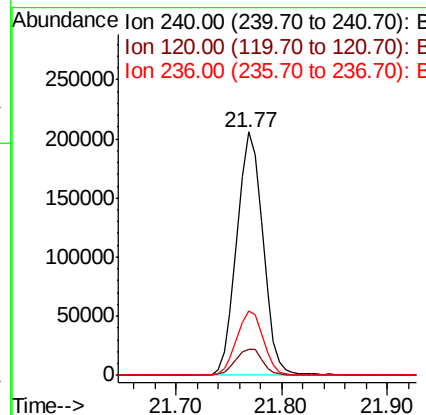
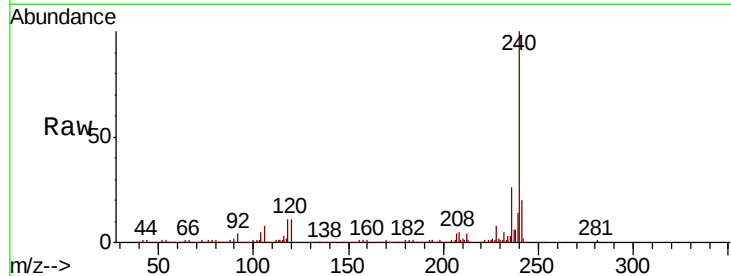
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	240	Resp:	353473
Ion Ratio	Lower	Upper	
240	100		
120	10.8	8.1	12.1
236	26.3	21.4	32.0

Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:22 PM



#79

Terphenyl-d14

Concen: 80.056 ng

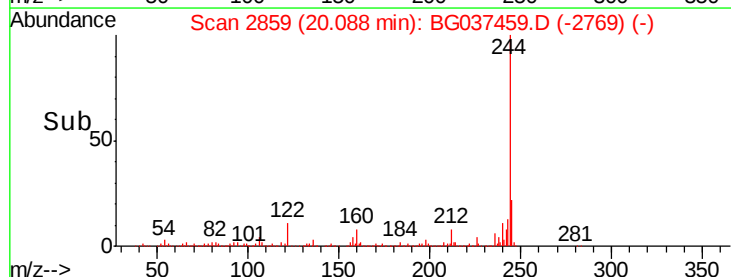
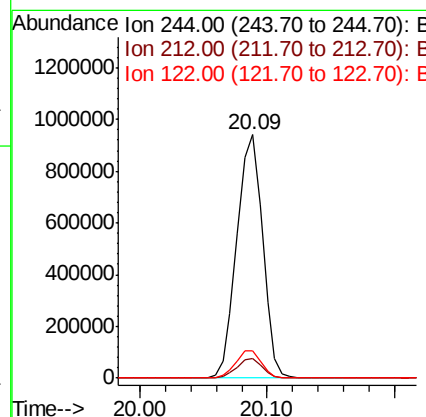
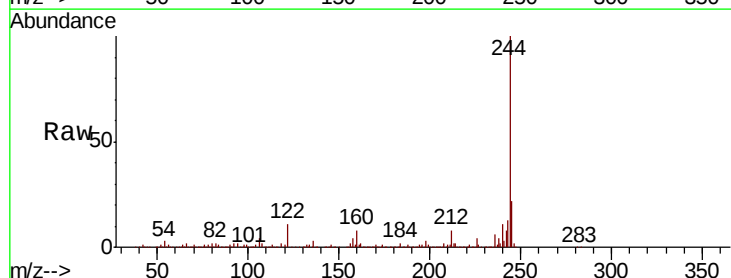
RT: 20.09 min Scan# 2859

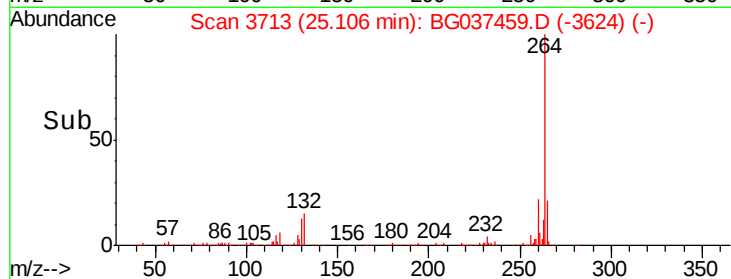
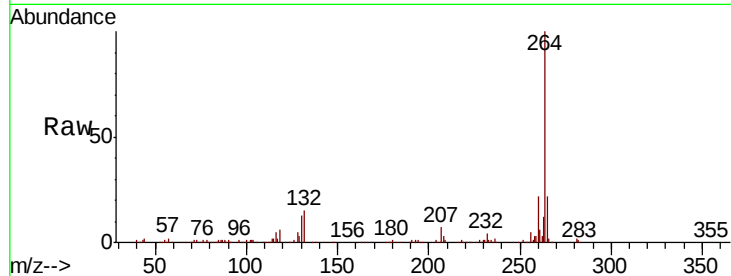
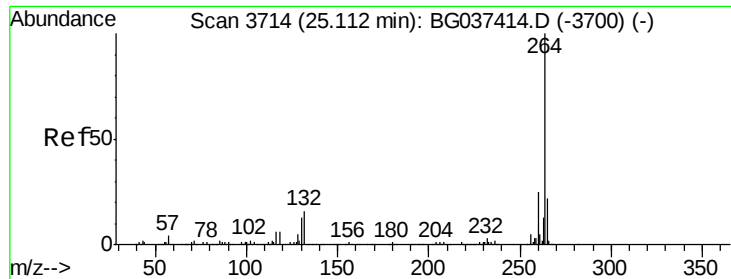
Delta R.T. -0.00 min

Lab File: BG037459.D

Acq: 19 Oct 2018 18:33

Tgt Ion:	244	Resp:	1324316
Ion Ratio	Lower	Upper	
244	100		
212	8.1	6.5	9.7
122	11.0	9.0	13.4





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.11 min Scan# 3713
Delta R.T. -0.01 min
Lab File: BG037459.D
Acq: 19 Oct 2018 18:33

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt	Ion	Ratio	Resp	Lower	Upper
264	100		353596		
260	22.3	18.2		27.4	
265	21.5	17.9		26.9	

Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:22 PM

