

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122116\
 Data File : BG025367.D
 Acq On : 21 Dec 2016 21:23
 Operator : UM/SJ
 Sample : H6103-05
 Misc : LOD 2 PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER-05-QT1-2017

Manual Integrations
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Quant Time: Dec 22 04:44:36 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 18:42:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	48342	20.00	ng	0.00
21) Naphthalene-d8	11.04	136	189670	20.00	ng	0.00
38) Acenaphthene-d10	14.84	164	153439	20.00	ng	0.00
63) Phenanthrene-d10	17.58	188	353763	20.00	ng	0.00
75) Chrysene-d12	21.87	240	548352	20.00	ng	0.00
86) Perylene-d12	25.29	264	569037	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.75	112	374132	140.67	ng	0.00
7) Phenol-d6	7.37	99	506047	135.10	ng	0.00
23) Nitrobenzene-d5	9.39	82	372847	86.84	ng	0.00
41) 2,4,6-Tribromophenol	16.33	330	316077	127.95	ng	0.00
44) 2-Fluorobiphenyl	13.46	172	815777	86.08	ng	0.00
78) Terphenyl-d14	20.16	244	1660614	80.29	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.59	88	2010	1.77	ng	# 1
3) Pyridine	4.02	79	4409	1.34	ng	# 77
4) n-Nitrosodimethylamine	3.93	42	4783	2.45	ng	# 83
25) Isophorone	9.96	82	11822	1.52	ng	# 91
26) 2-Nitrophenol	10.16	139	2416	1.34	ng	# 71
27) 2,4-Dimethylphenol	10.22	122	4469	1.51	ng	# 72
28) bis(2-Chloroethoxy)methane	10.44	93	5349	1.32	ng	# 81
29) 2,4-Dichlorophenol	10.75	162	5280m	1.67	ng	
30) 1,2,4-Trichlorobenzene	10.90	180	6014	1.57	ng	# 90
33) 4-Chloroaniline	11.24	127	7145m	1.79	ng	
36) 4-Chloro-3-methylphenol	12.34	107	4905	1.25	ng	# 81
42) 2,4,6-Trichlorophenol	13.31	196	4435m	1.39	ng	
43) 2,4,5-Trichlorophenol	13.40	196	5957m	1.78	ng	
52) 3-Nitroaniline	14.79	138	2603m	1.11	ng	
61) 4-Nitroaniline	15.95	138	2825m	1.20	ng	
76) Benizidine	19.82	184	7958m	0.58	ng	

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

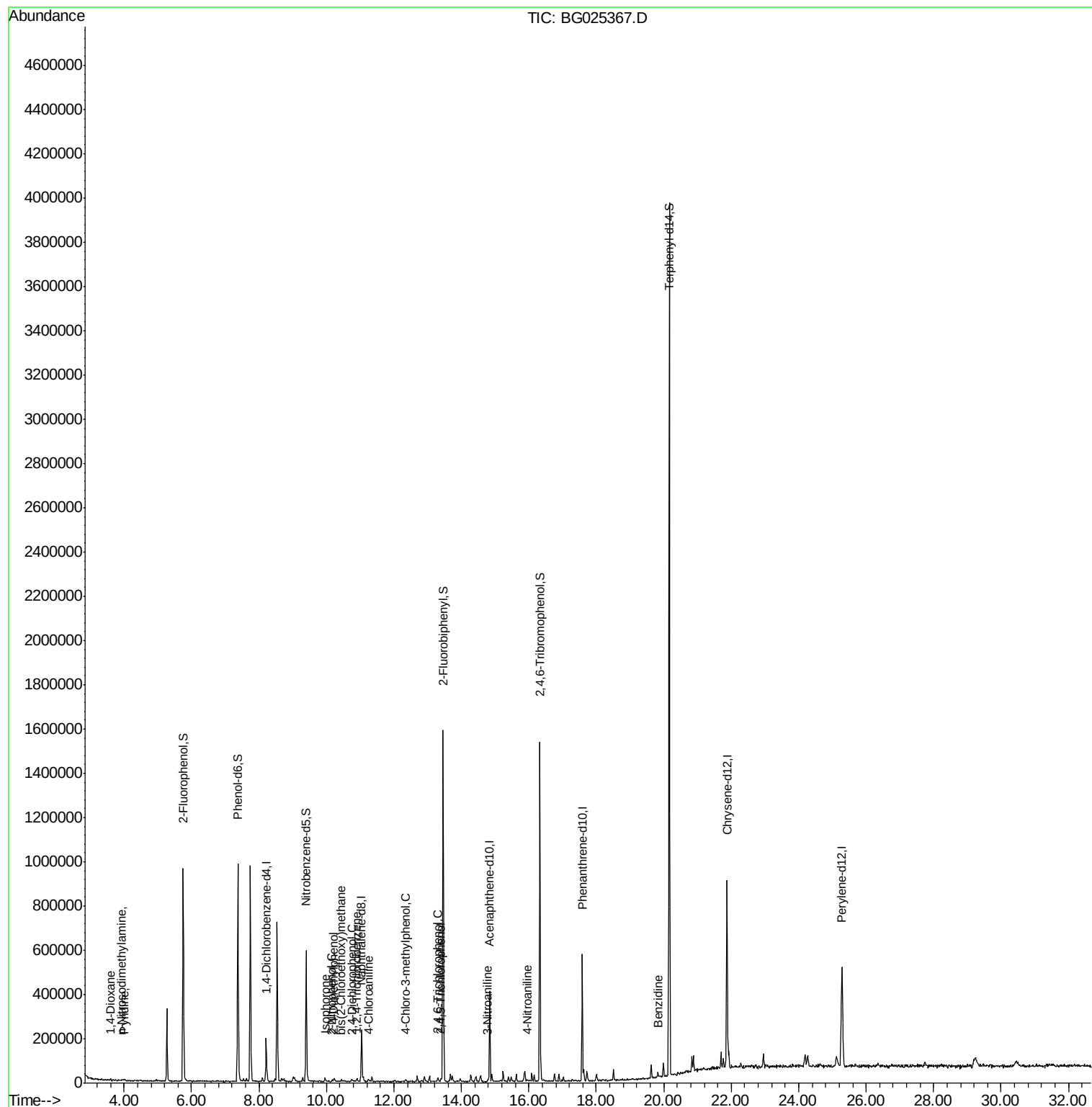
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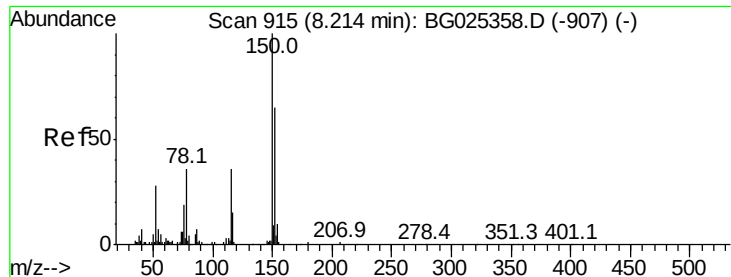
Instrument :
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LOD-WATER-05-QT1-2017

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 914

Delta R.T. -0.01 min

Lab File: BG025367.D

Acq: 21 Dec 2016 21:23

Instrument :

BNA_G

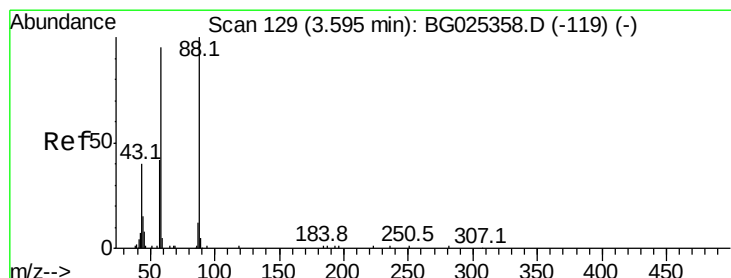
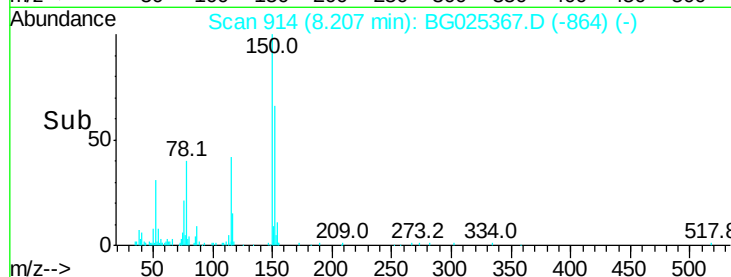
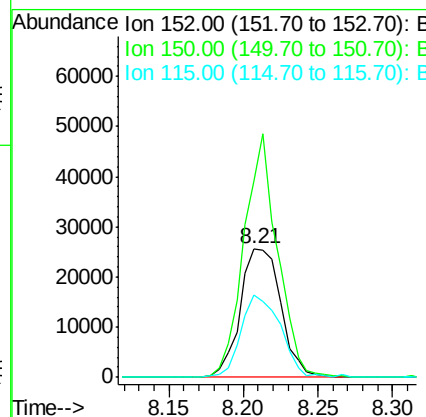
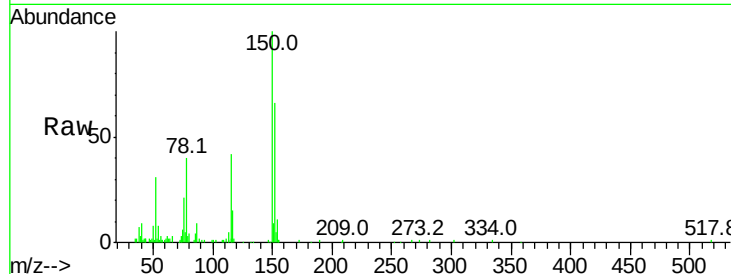
ClientSampleId :

LOD-WATER-05-QT1-2017

Tot Ion:	152	Resp:	48342
Ion Ratio	Lower	Upper	
152	100		
150	152.6	114.0	171.0
115	63.6	48.1	72.1

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#2

1,4-Dioxane

Concen: 1.77 ng

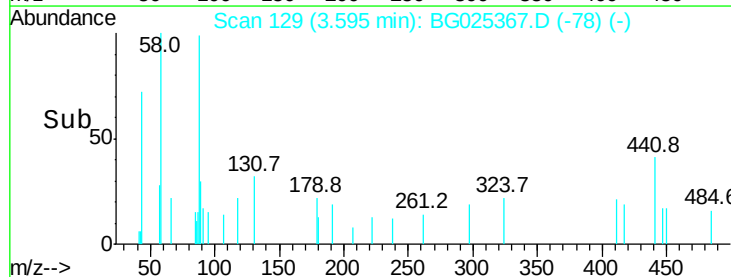
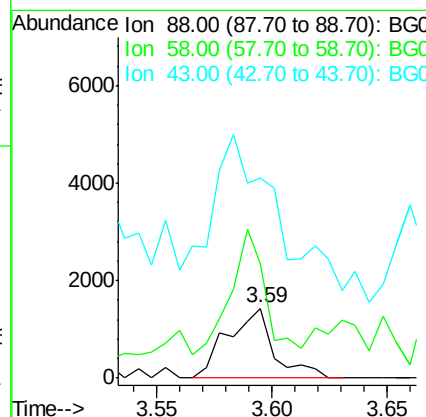
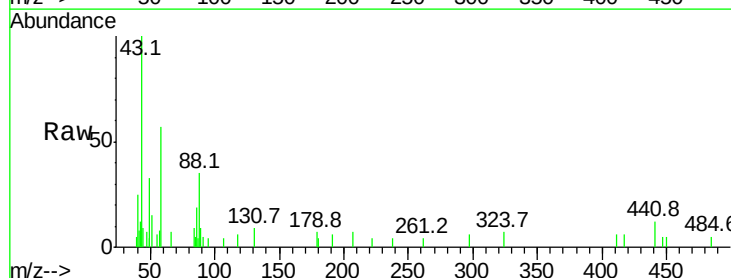
RT: 3.59 min Scan# 129

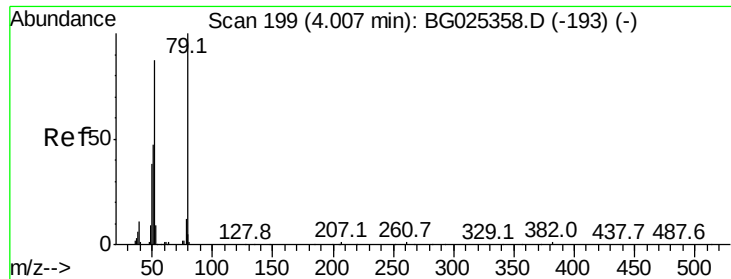
Delta R.T. -0.00 min

Lab File: BG025367.D

Acq: 21 Dec 2016 21:23

Tgt Ion:	88	Resp:	2010
Ion Ratio	Lower	Upper	
88	100		
58	144.3	79.4	119.2#
43	356.9	33.8	50.6#





#3

Pvridine

Concen: 1.34 ng

RT: 4.02 min Scan# 201

Delta R.T. 0.01 min

Lab File: BG025367.D

Acq: 21 Dec 2016 21:23

Instrument :

BNA_G

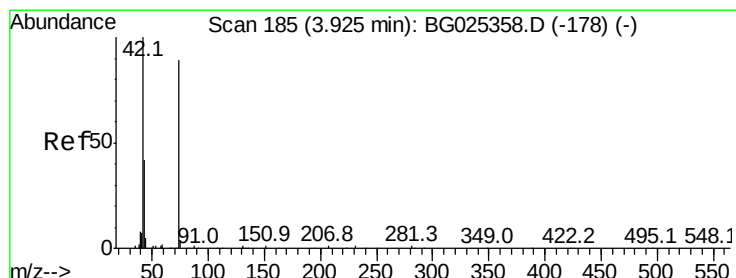
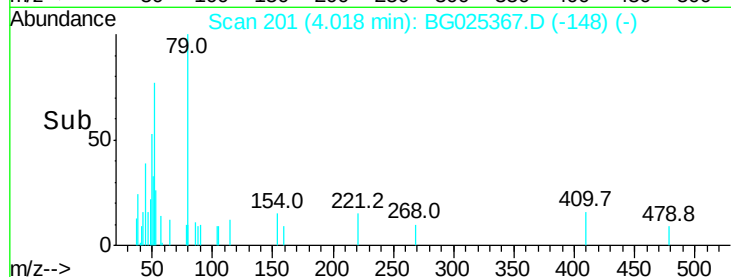
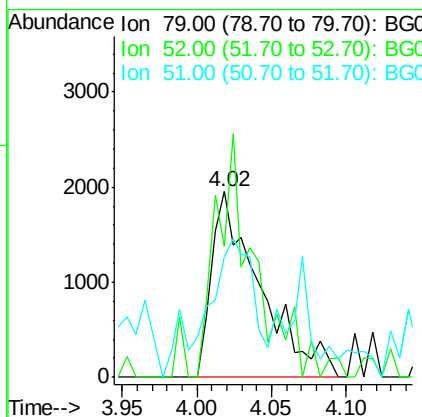
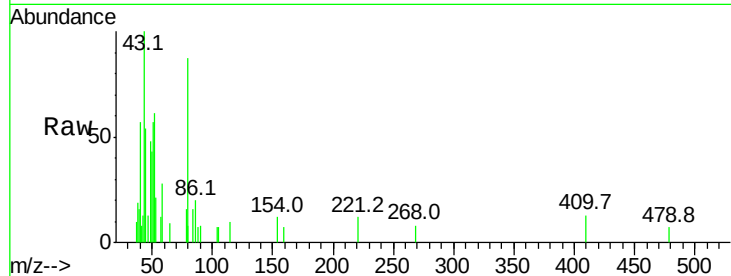
ClientSampleId :

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Tot Ion:	79	Resp:	4409
Ion	Ratio	Lower	Upper
79	100		
52	70.4	77.8	116.6#
51	65.0	43.2	64.8#

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#4

n-Nitrosodimethylamine

Concen: 2.45 ng

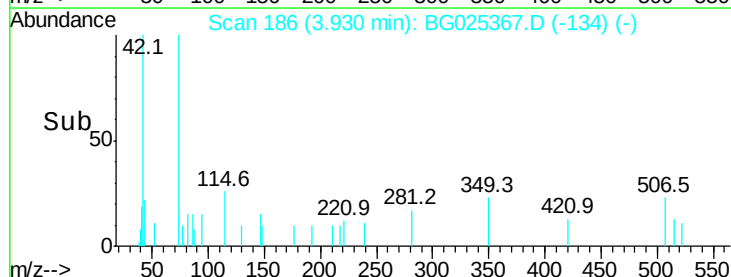
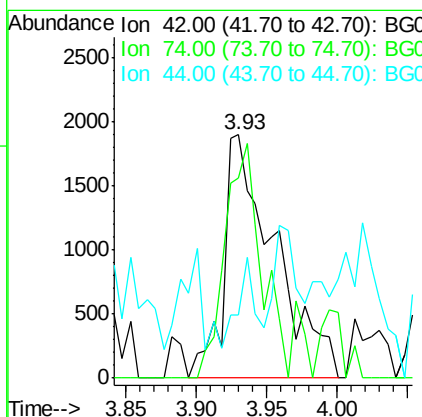
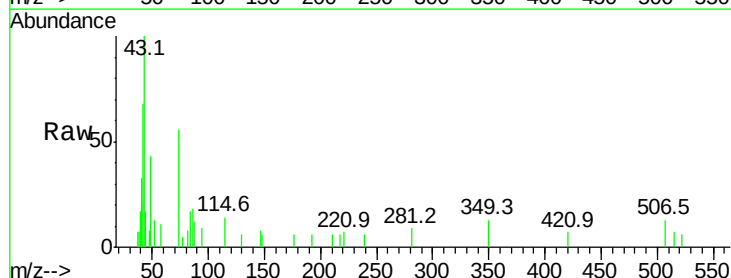
RT: 3.93 min Scan# 186

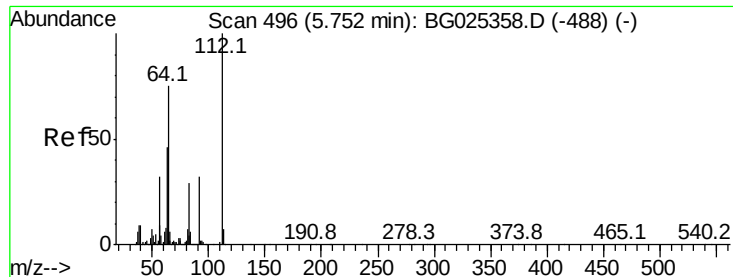
Delta R.T. 0.01 min

Lab File: BG025367.D

Acq: 21 Dec 2016 21:23

Tgt Ion:	42	Resp:	4783
Ion	Ratio	Lower	Upper
42	100		
74	82.2	76.7	115.1
44	25.8	6.1	9.1#





#5

2-Fluorophenol

Concen: 140.67 ng

RT: 5.75 min Scan# 496

Delta R.T. -0.00 min

Lab File: BG025367.D

Acq: 21 Dec 2016 21:23

Instrument :

BNA_G

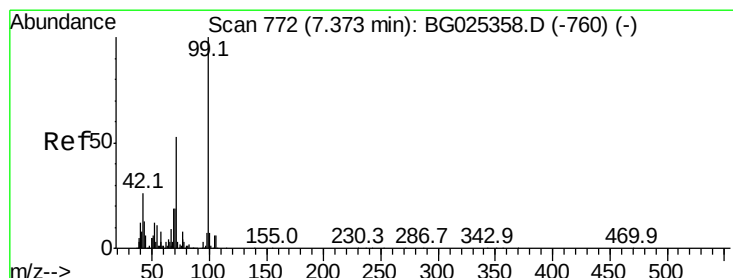
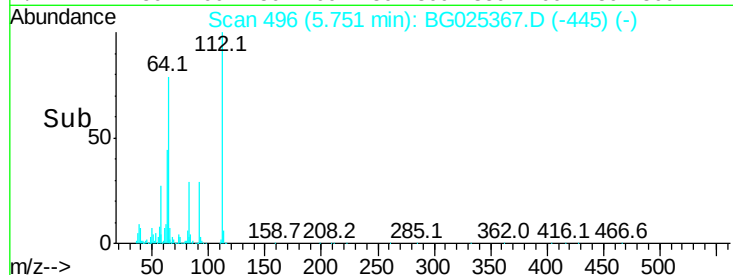
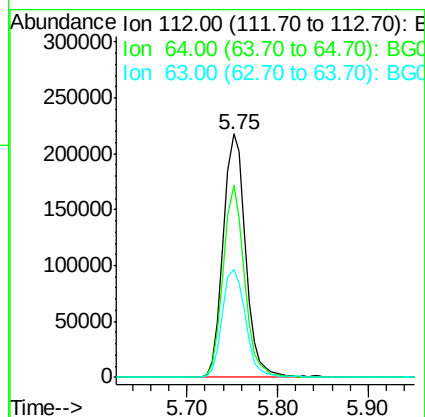
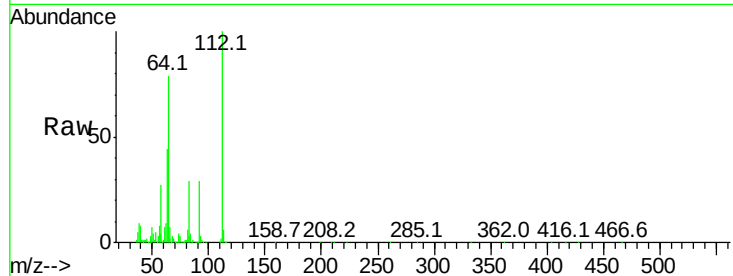
ClientSampleId :

LOD-WATER-05-QT1-2017

Tot Ion:	112	Resp:	374132
Ion Ratio	Lower	Upper	
112	100		
64	79.3	61.8	92.6
63	44.3	37.2	55.8

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#7

Phenol-d6

Concen: 135.10 ng

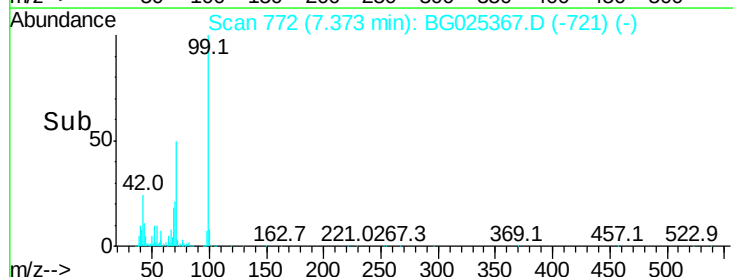
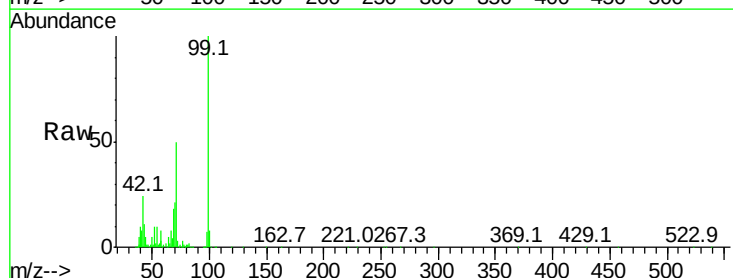
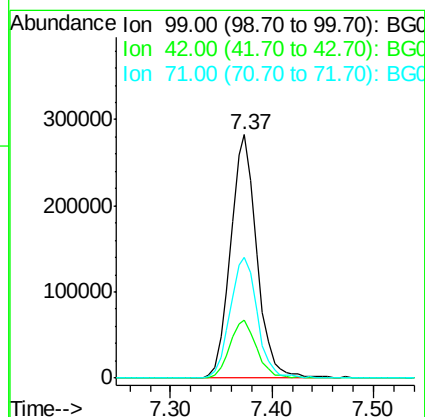
RT: 7.37 min Scan# 772

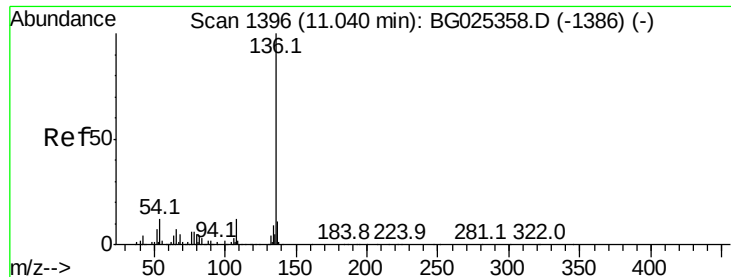
Delta R.T. -0.00 min

Lab File: BG025367.D

Acq: 21 Dec 2016 21:23

Tgt Ion:	99	Resp:	506047
Ion Ratio	Lower	Upper	
99	100		
42	23.7	20.5	30.7
71	49.6	37.6	56.4





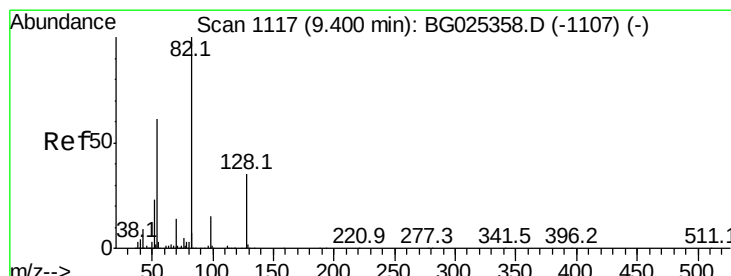
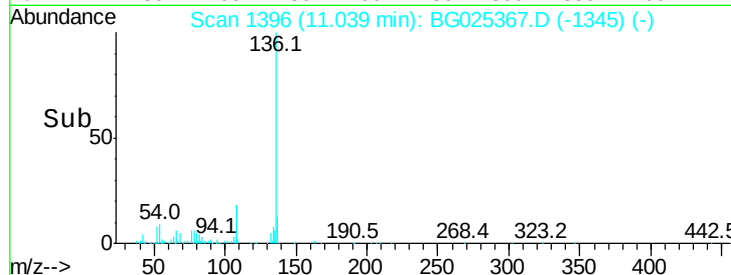
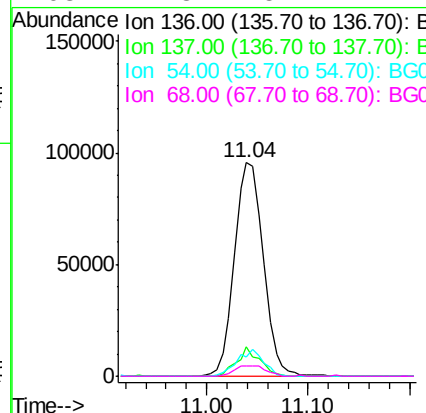
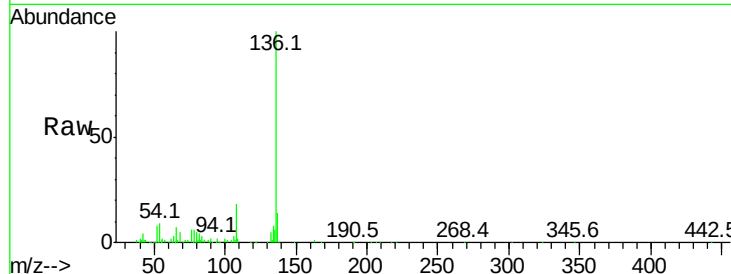
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.04 min Scan# 1396
Delta R.T. -0.00 min
Lab File: BG025367.D
Acq: 21 Dec 2016 21:23

Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT1-2017

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	13.8	8.9	13.3#	
54	9.1	9.3	13.9#	
68	4.8	5.1	7.7#	

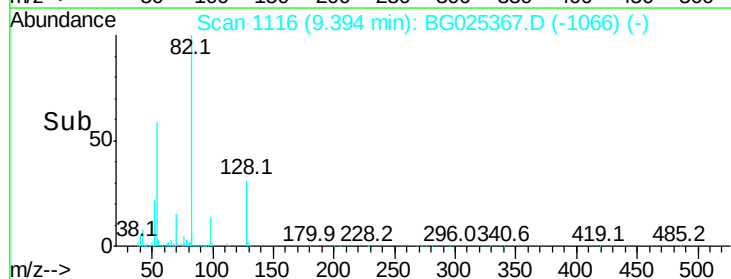
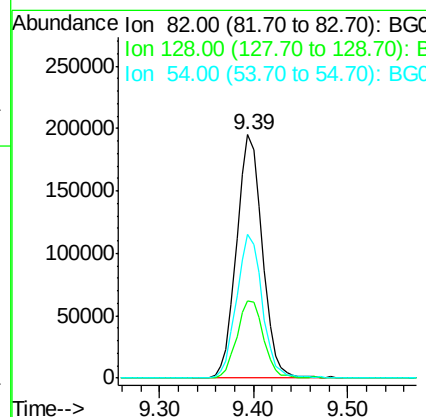
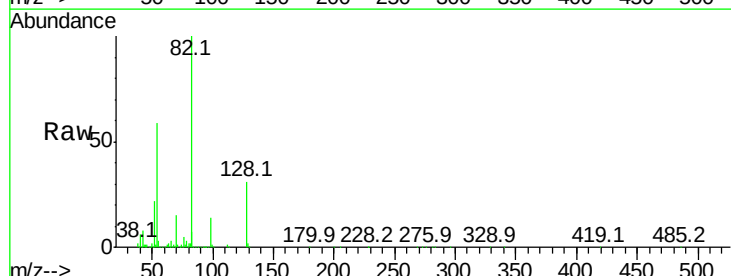
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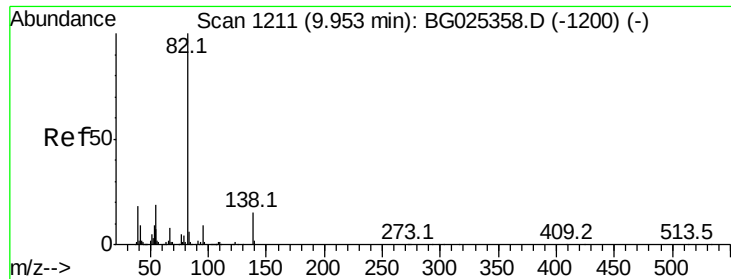
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#23
Nitrobenzene-d5
Concen: 86.84 ng
RT: 9.39 min Scan# 1116
Delta R.T. -0.01 min
Lab File: BG025367.D
Acq: 21 Dec 2016 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	31.5	26.4	39.6	
54	59.2	49.4	74.2	





#25

Isophorone

Concen: 1.52 ng

RT: 9.96 min Scan# 1213

Delta R.T. 0.01 min

Lab File: BG025367.D

Acq: 21 Dec 2016 21:23

Instrument :

BNA_G

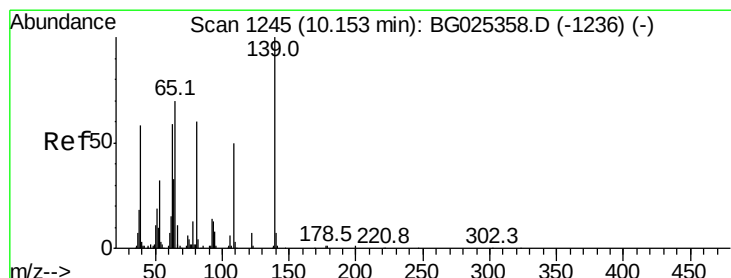
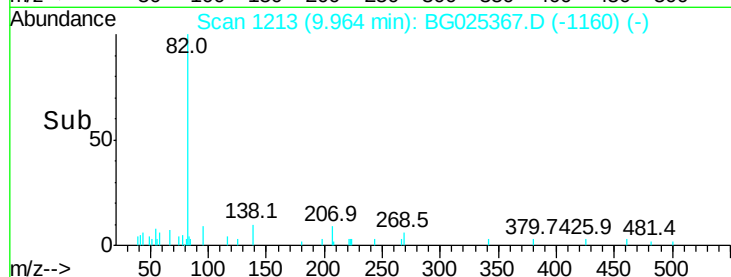
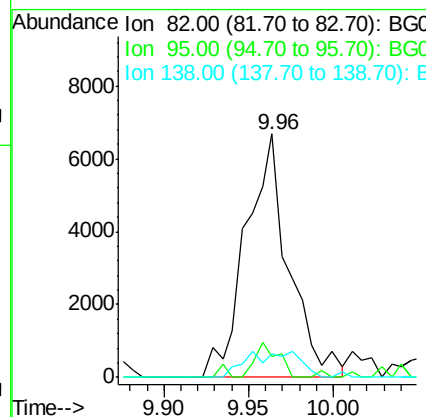
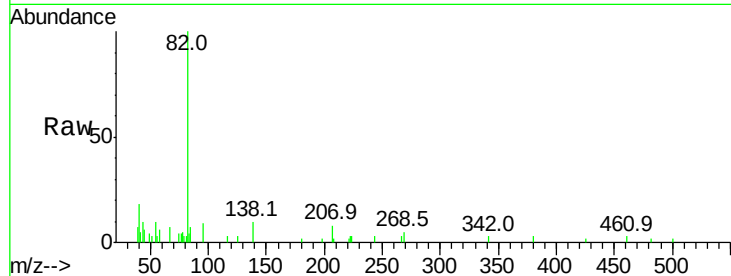
ClientSampleId :

LOD-WATER-05-QT1-2017

Tot Ion:	82	Resp:	11822
Ion Ratio	Lower	Upper	
82	100		
95	8.6	7.5	11.3
138	9.8	12.3	18.5#

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#26

2-Nitrophenol

Concen: 1.34 ng

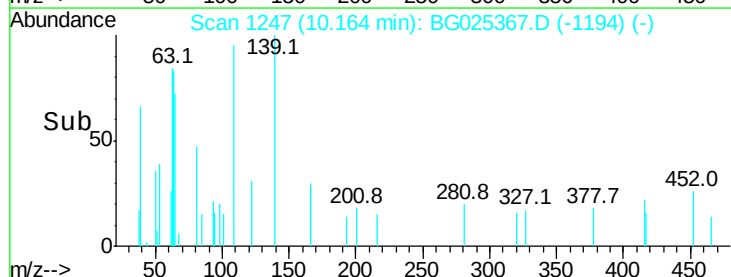
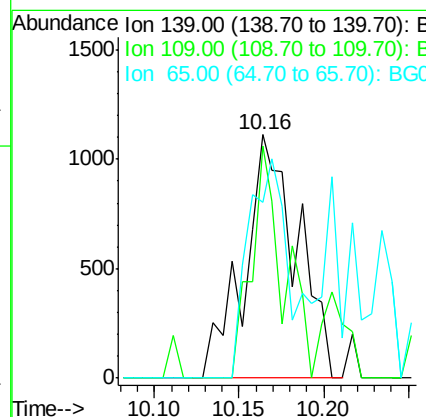
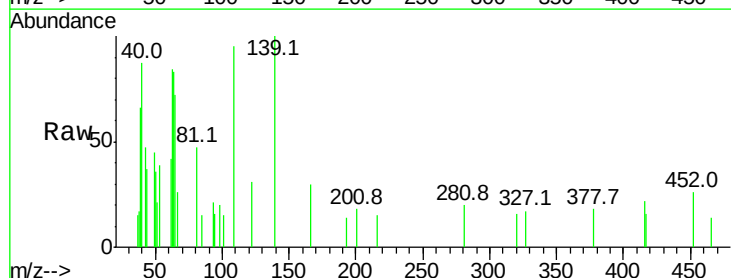
RT: 10.16 min Scan# 1247

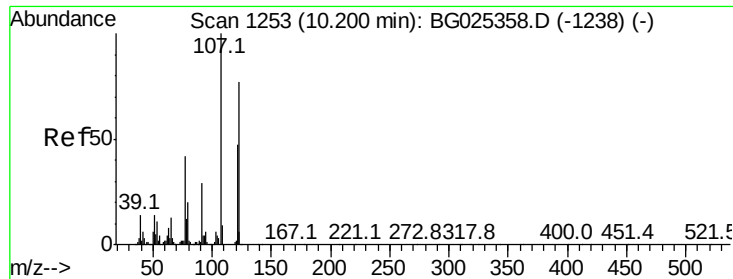
Delta R.T. 0.01 min

Lab File: BG025367.D

Acq: 21 Dec 2016 21:23

Tgt Ion:	139	Resp:	2416
Ion Ratio	Lower	Upper	
139	100		
109	95.3	38.6	58.0#
65	72.3	57.1	85.7





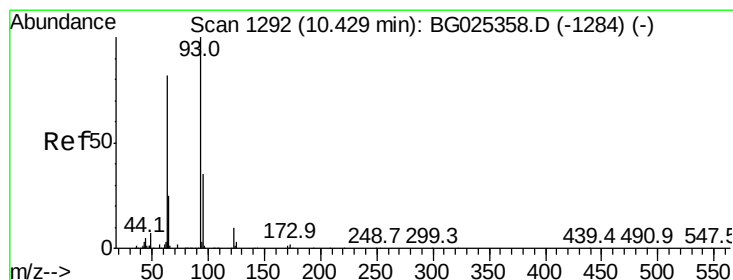
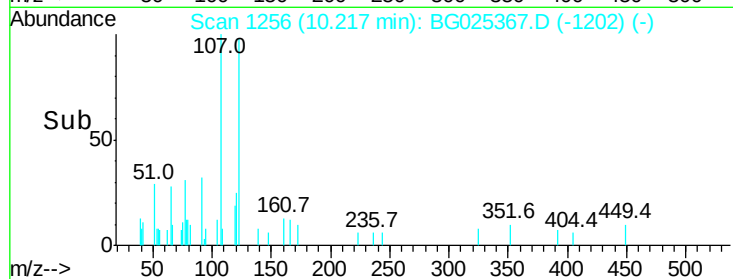
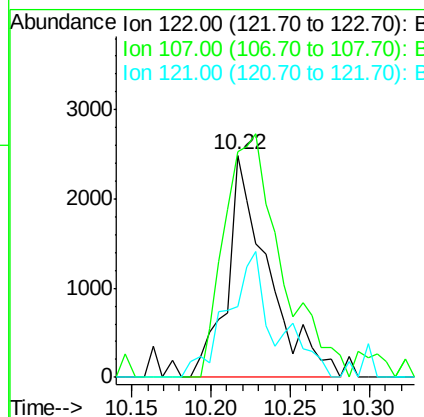
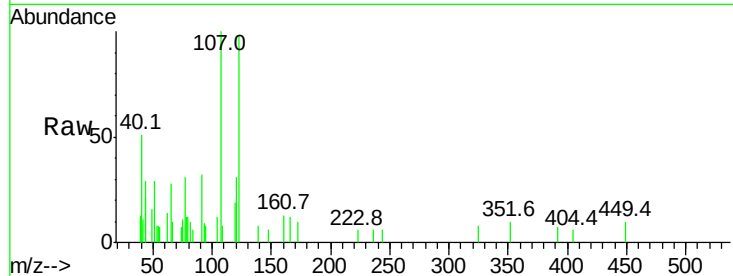
#27
2,4-Dimethylphenol
Concen: 1.51 ng
RT: 10.22 min Scan# 1256
Delta R.T. 0.02 min
Lab File: BG025367.D
Acq: 21 Dec 2016 21:23

Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT1-2017

Tot Ion	Ratio	Lower	Upper
122	100		
107	101.8	104.2	156.4#
121	31.6	46.0	69.0#

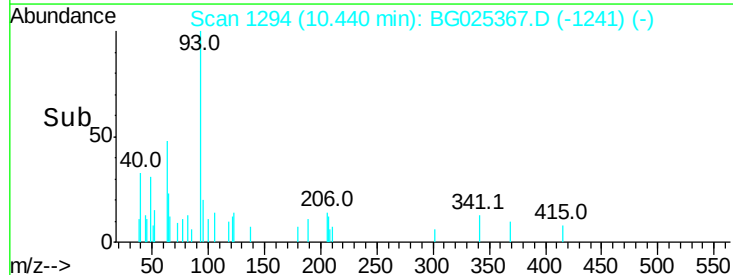
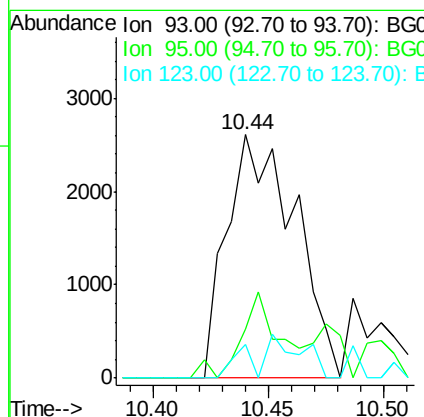
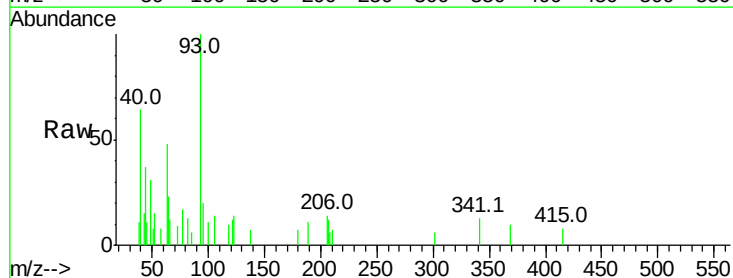
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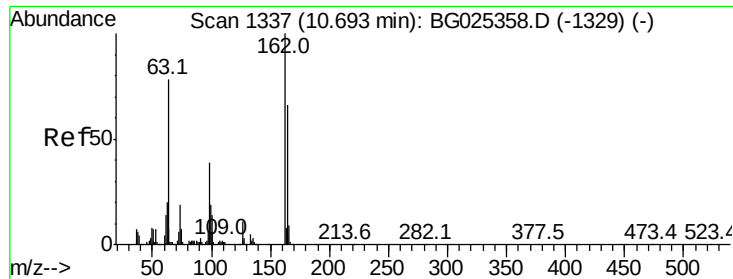
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#28
bis(2-Chloroethoxy)methane
Concen: 1.32 ng
RT: 10.44 min Scan# 1294
Delta R.T. 0.01 min
Lab File: BG025367.D
Acq: 21 Dec 2016 21:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	19.9	25.7	38.5#
123	13.6	8.3	12.5#





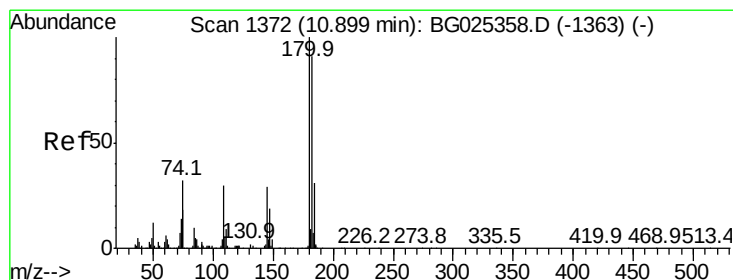
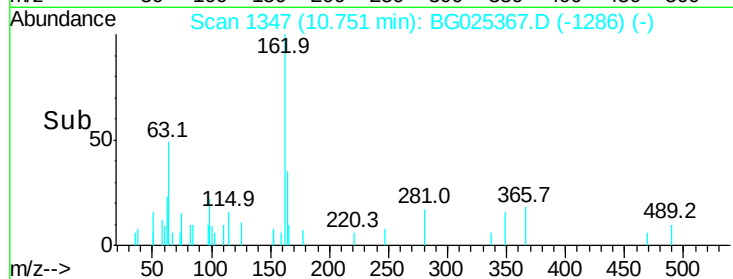
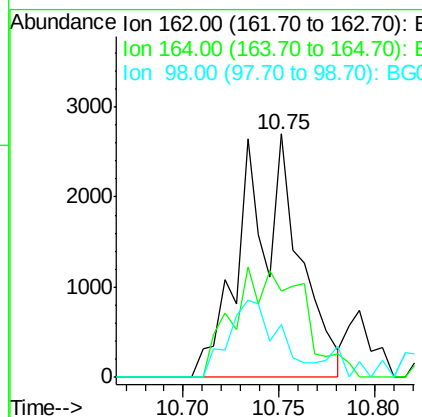
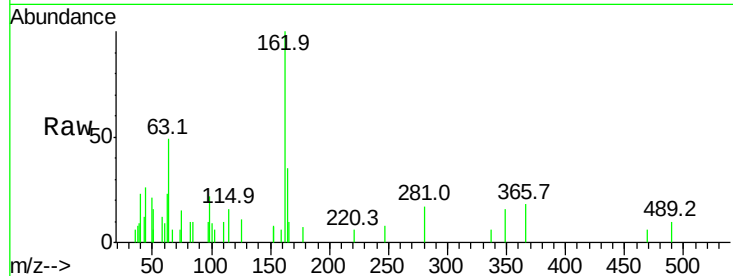
#29
2,4-Dichlorophenol
Concen: 1.67 ng/mL
RT: 10.75 min Scan# 1347
Delta R.T. 0.06 min
Lab File: BG025367.D
Acq: 21 Dec 2016 21:23

Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT1-2017

Tot Ion	Ratio	Lower	Upper
162	100		
164	35.4	42.4	82.4#
98	21.7	20.3	60.3

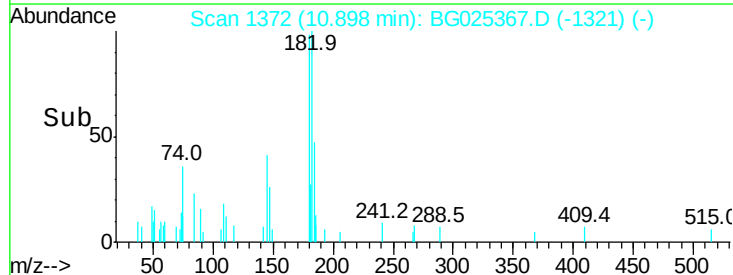
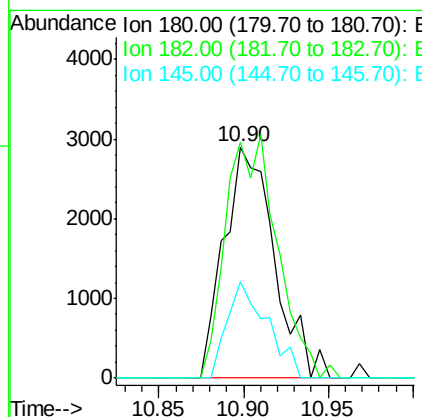
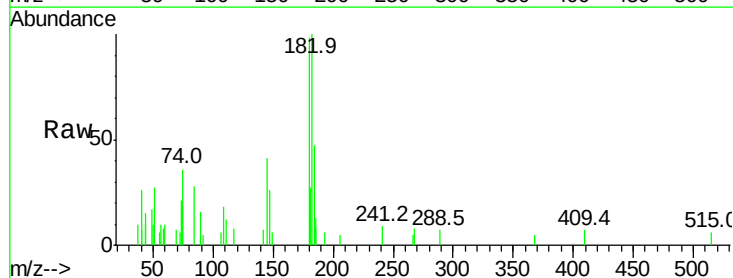
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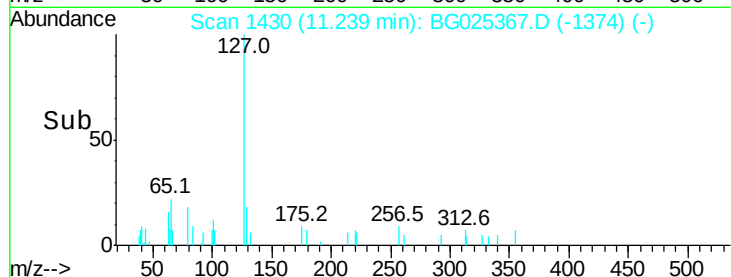
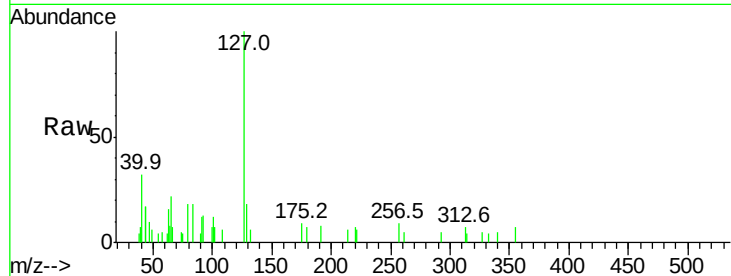
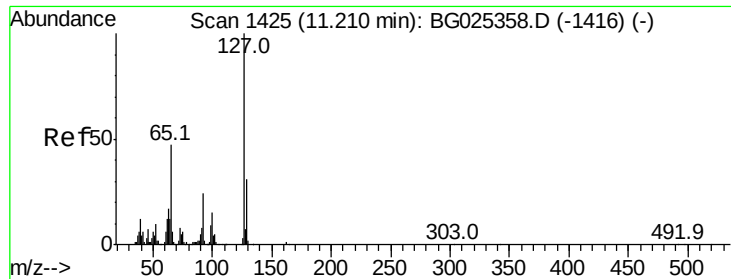
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#30
1,2,4-Trichlorobenzene
Concen: 1.57 ng/mL
RT: 10.90 min Scan# 1372
Delta R.T. -0.00 min
Lab File: BG025367.D
Acq: 21 Dec 2016 21:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.4	77.0	115.4
145	41.9	23.4	35.0#





#33

4-Chloroaniline

Concen: 1.79 ng/ml

RT: 11.24 min Scan# 1430

Delta R.T. 0.03 min

Lab File: BG025367.D

Acq: 21 Dec 2016 21:23

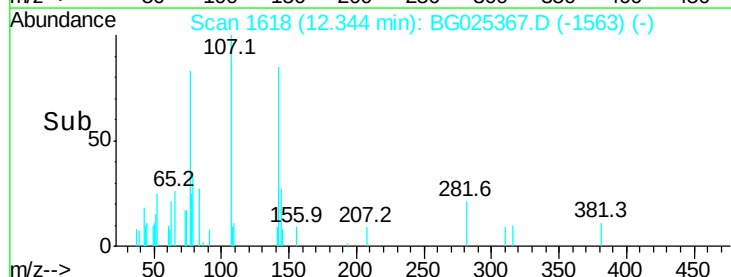
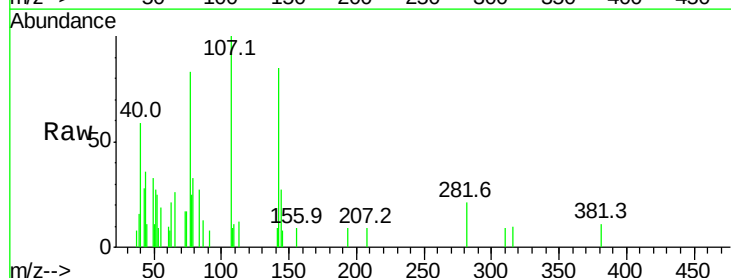
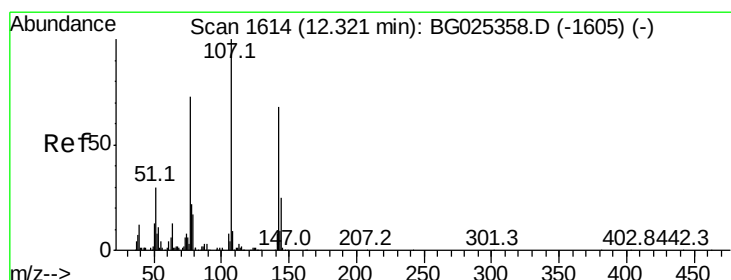
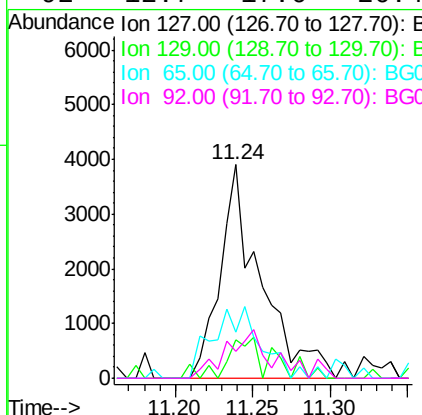
Instrument :
BNA_G

ClientSampleId :
LOD-WATER-05-QT1-2017

Tot Ion	Ratio	Lower	Upper
127	100		
129	18.0	23.6	35.4#
65	21.9	37.7	56.5#
92	12.7	17.6	26.4#

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#36

4-Chloro-3-methylphenol

Concen: 1.25 ng/ml

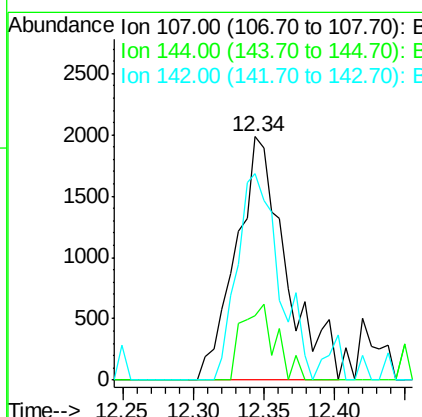
RT: 12.34 min Scan# 1618

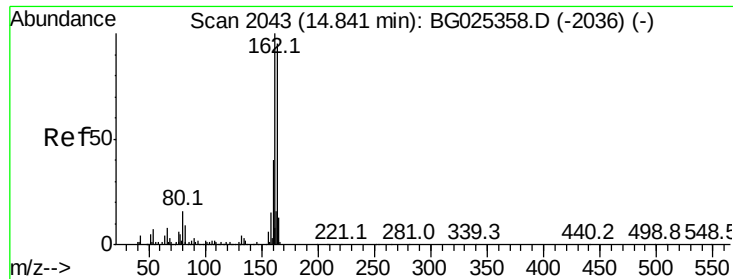
Delta R.T. 0.02 min

Lab File: BG025367.D

Acq: 21 Dec 2016 21:23

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.6	17.4	26.0#
142	84.6	54.1	81.1#





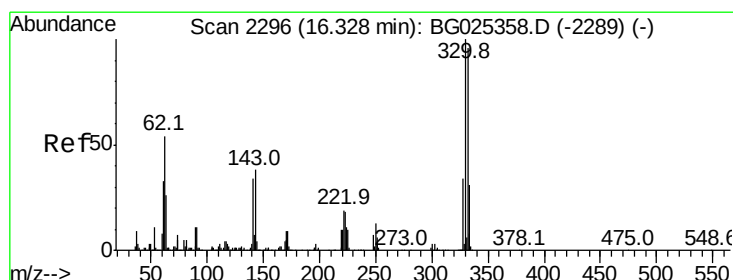
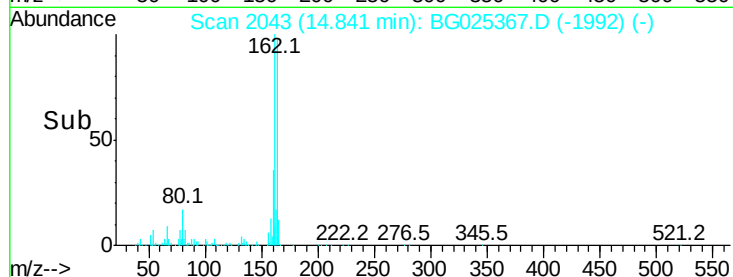
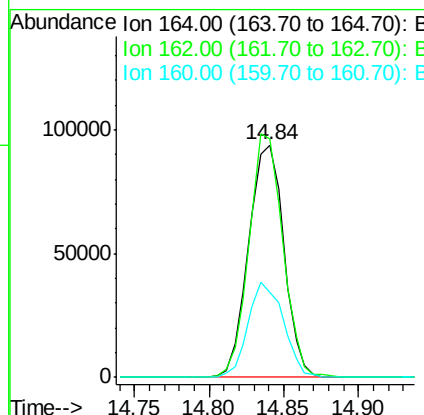
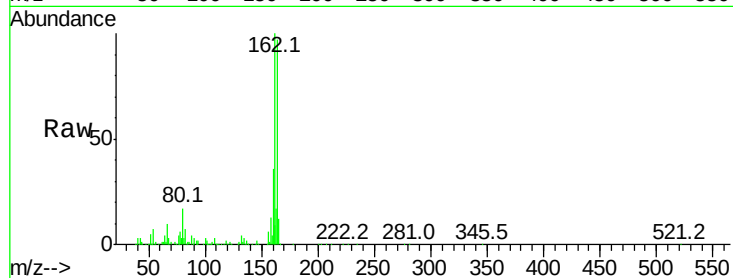
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.84 min Scan# 2043
Delta R.T. -0.00 min
Lab File: BG025367.D
Acq: 21 Dec 2016 21:23

Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT1-2017

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.6	85.1	127.7
160	36.5	34.7	52.1

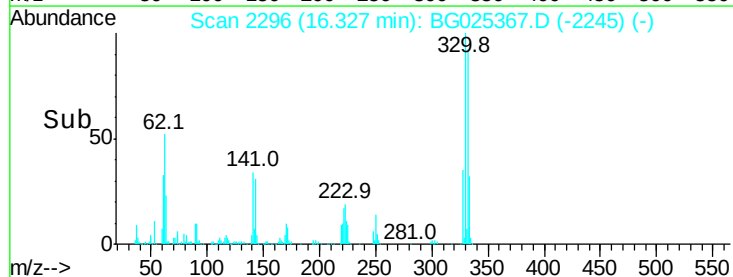
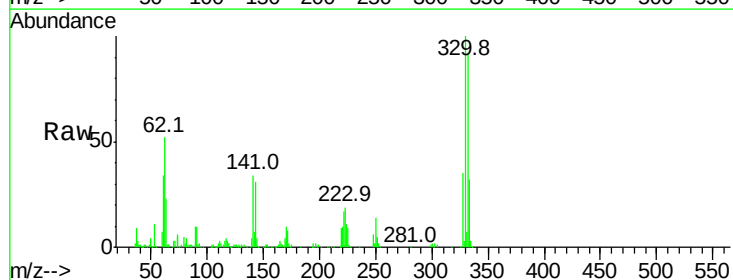
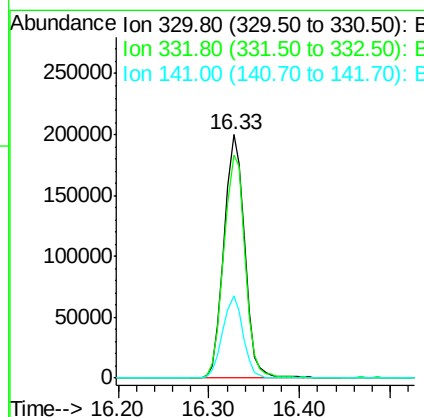
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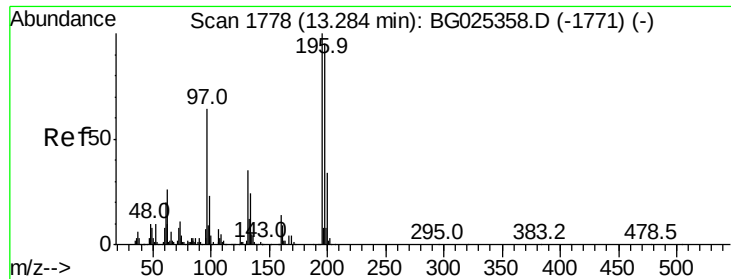
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#41
2,4,6-Tribromophenol
Concen: 127.95 ng
RT: 16.33 min Scan# 2296
Delta R.T. -0.00 min
Lab File: BG025367.D
Acq: 21 Dec 2016 21:23

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.3	115.9
141	33.2	32.1	48.1





#42

2,4,6-Trichlorophenol

Concen: 1.39 ng m

RT: 13.31 min Scan# 1782

Delta R.T. 0.02 min

Lab File: BG025367.D

Acq: 21 Dec 2016 21:23

Instrument :

BNA_G

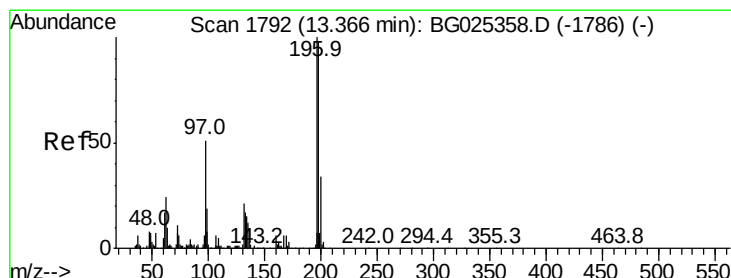
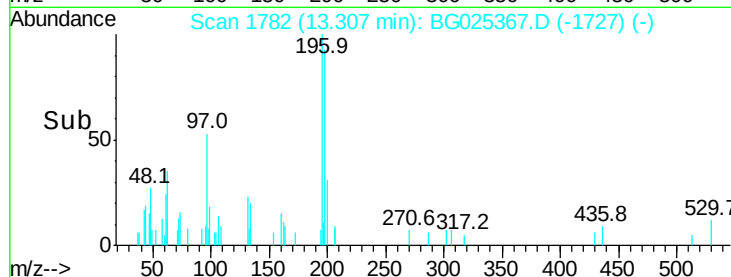
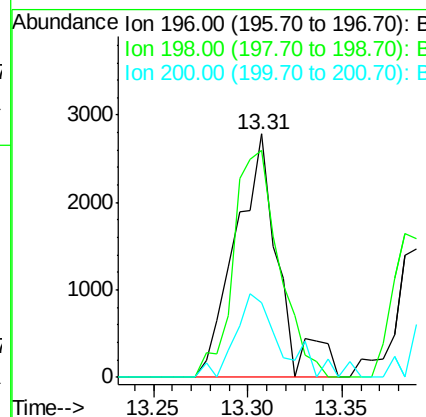
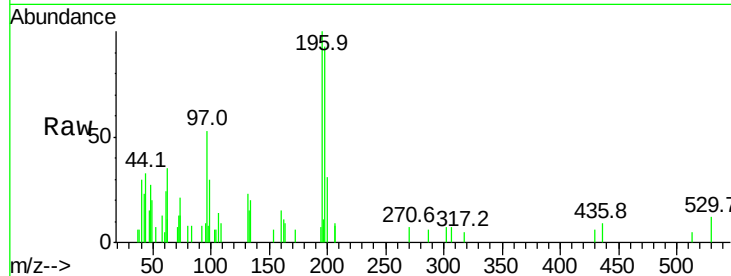
ClientSampleId :

LOD-WATER-05-QT1-2017

Tot Ion:	196	Resp:	4435
Ion	Ratio	Lower	Upper
196	100		
198	93.1	81.4	122.2
200	30.6	27.0	40.6

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#43

2,4,5-Trichlorophenol

Concen: 1.78 ng m

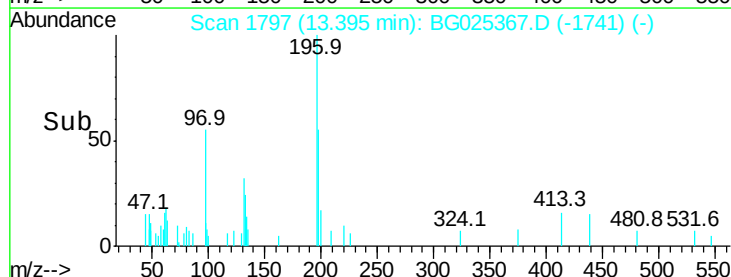
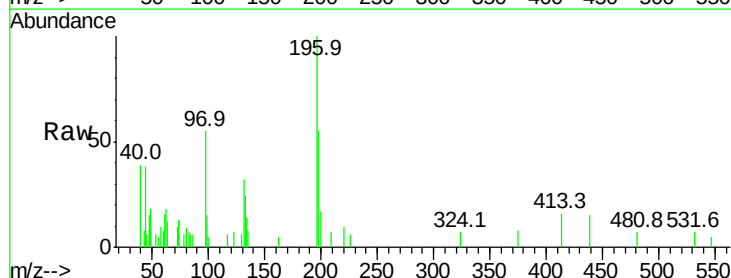
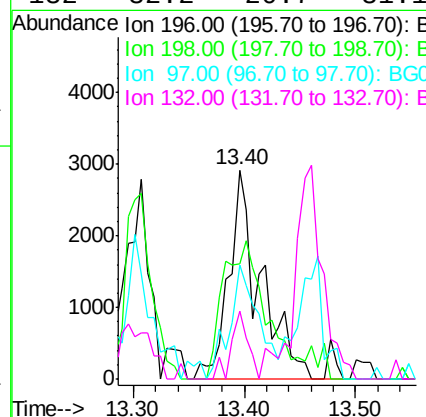
RT: 13.40 min Scan# 1797

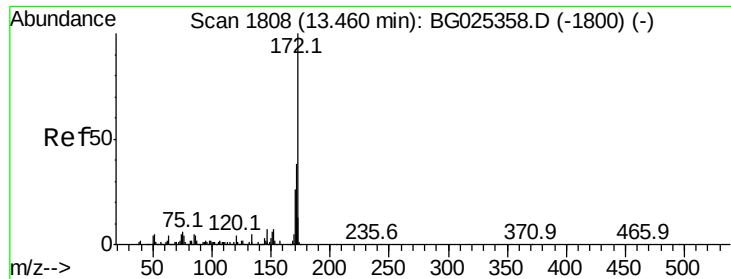
Delta R.T. 0.03 min

Lab File: BG025367.D

Acq: 21 Dec 2016 21:23

Tgt Ion:	196	Resp:	5957
Ion	Ratio	Lower	Upper
196	100		
198	55.0	79.9	119.9#
97	54.6	45.4	68.0
132	32.2	20.7	31.1#





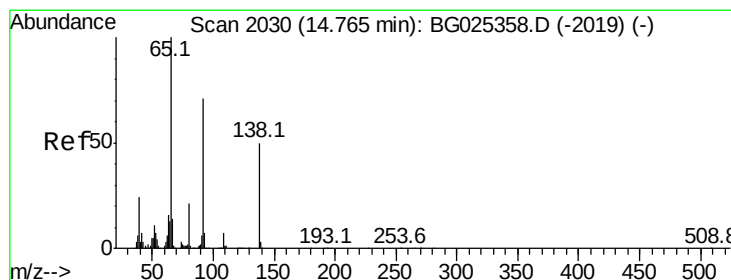
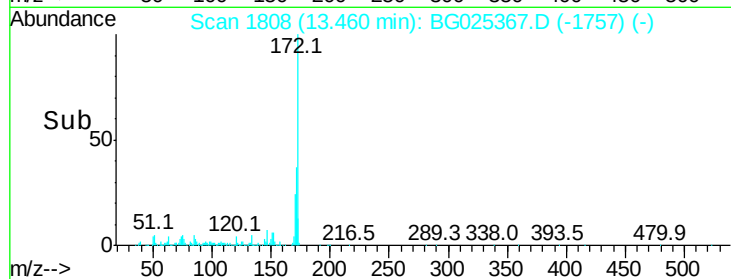
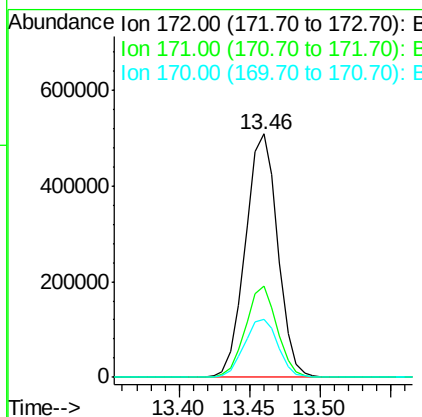
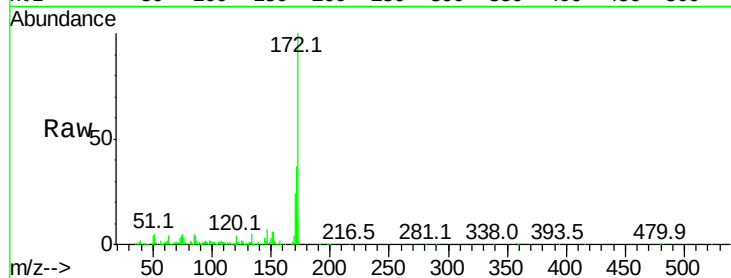
#44
 2-Fluorobiphenyl
 Concen: 86.08 ng
 RT: 13.46 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: BG025367.D
 Acq: 21 Dec 2016 21:23

Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER-05-QT1-2017

Tot Ion:	172	Resp:	815777
Ion Ratio	Lower	Upper	
172	100		
171	37.3	32.2	48.2
170	24.0	21.8	32.6

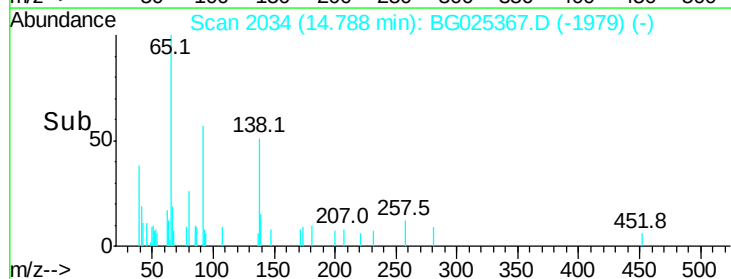
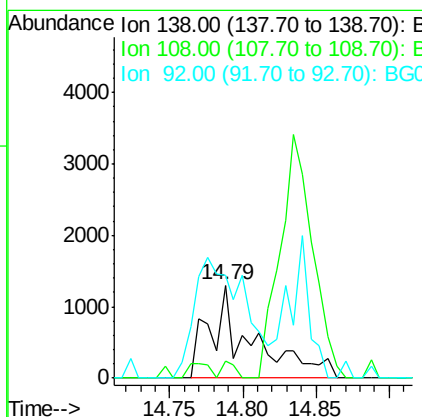
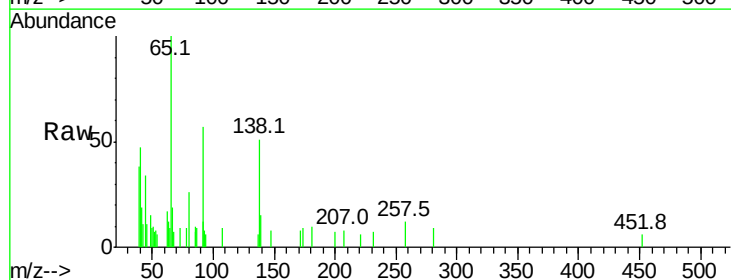
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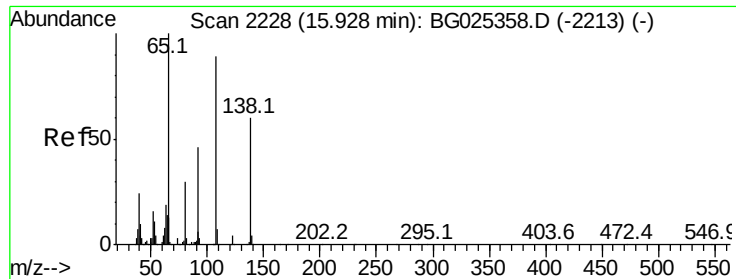
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#52
 3-Nitroaniline
 Concen: 1.11 ng m
 RT: 14.79 min Scan# 2034
 Delta R.T. 0.02 min
 Lab File: BG025367.D
 Acq: 21 Dec 2016 21:23

Tgt Ion:	138	Resp:	2603
Ion Ratio	Lower	Upper	
138	100		
108	18.4	10.9	16.3#
92	110.9	115.3	172.9#





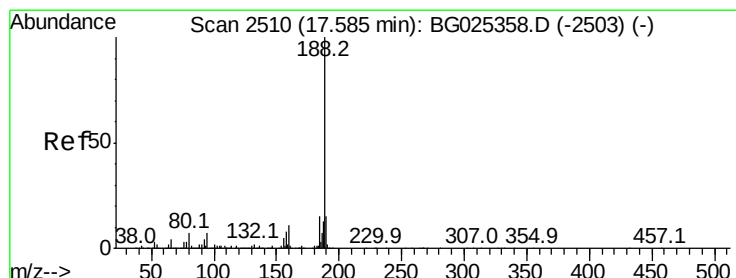
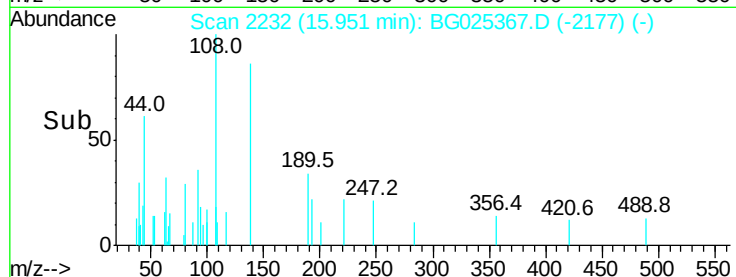
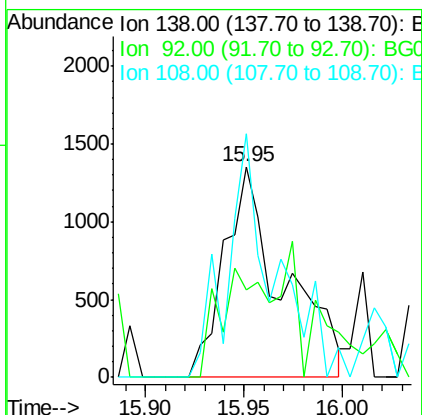
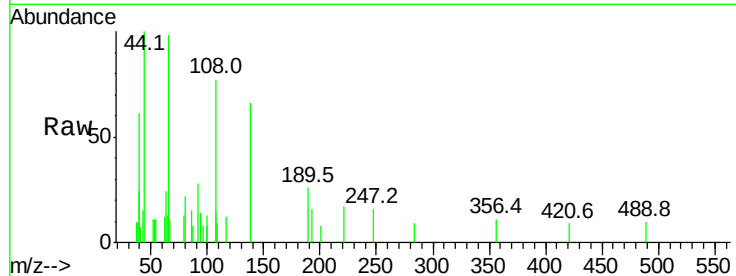
#61
4-Nitroaniline
Concen: 1.20 ng/ml
RT: 15.95 min Scan# 2232
Delta R.T. 0.02 min
Lab File: BG025367.D
Acq: 21 Dec 2016 21:23

Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT1-2017

Tot Ion	Ratio	Lower	Upper
138	100		
92	41.8	44.2	84.2
108	115.7	104.8	144.8

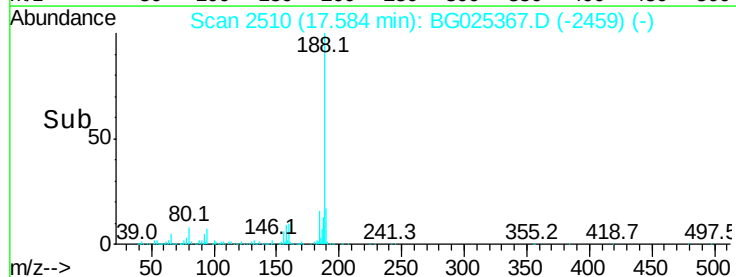
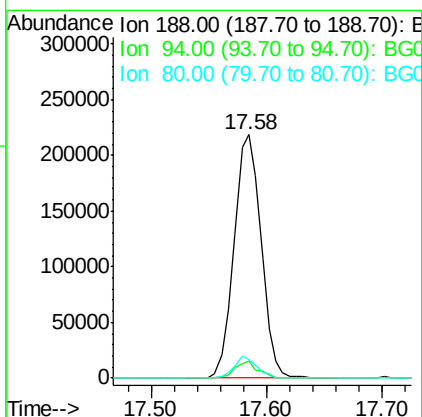
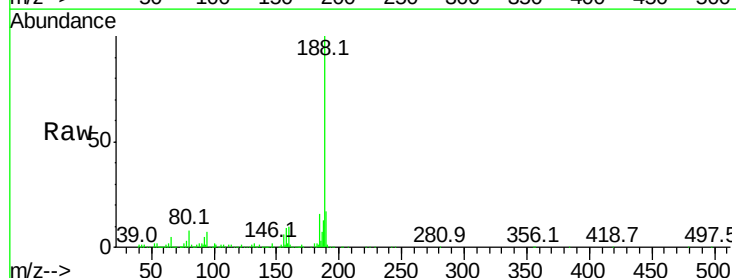
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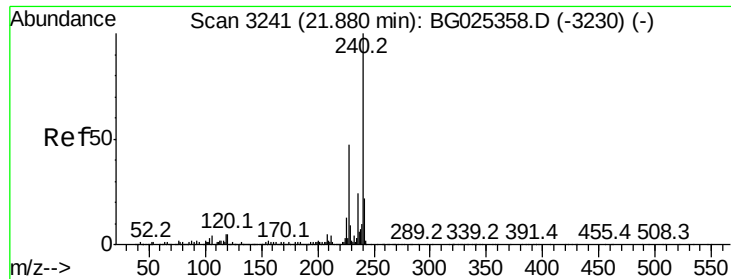
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.58 min Scan# 2510
Delta R.T. -0.00 min
Lab File: BG025367.D
Acq: 21 Dec 2016 21:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.8	8.8
80	7.6	7.5	11.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.87 min Scan# 3240

Delta R.T. -0.01 min

Lab File: BG025367.D

Acq: 21 Dec 2016 21:23

Instrument :

BNA_G

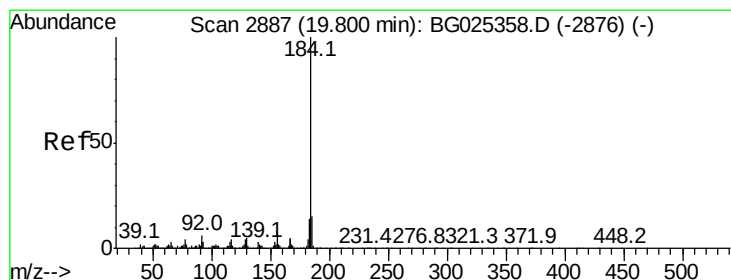
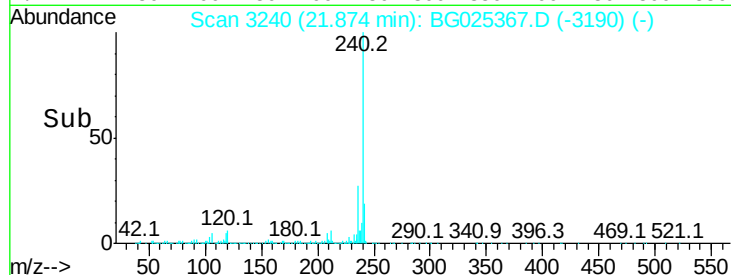
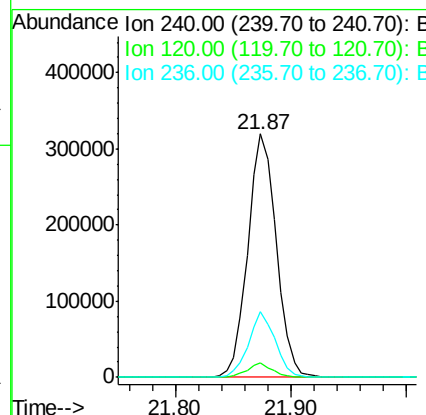
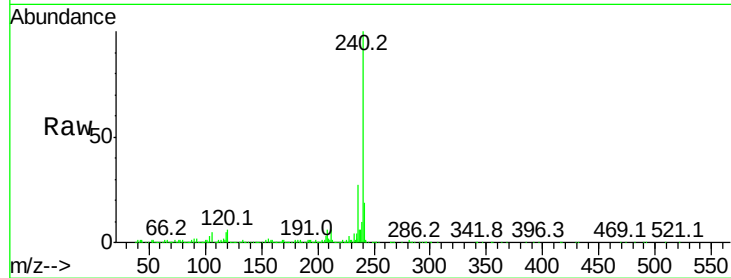
ClientSampleId :

LOD-WATER-05-QT1-2017

Tot Ion:	240	Resp:	548352
Ion Ratio	Lower	Upper	
240	100		
120	5.8	5.7	8.5
236	26.8	22.2	33.4

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#76

Benzidine

Concen: 0.58 ng m

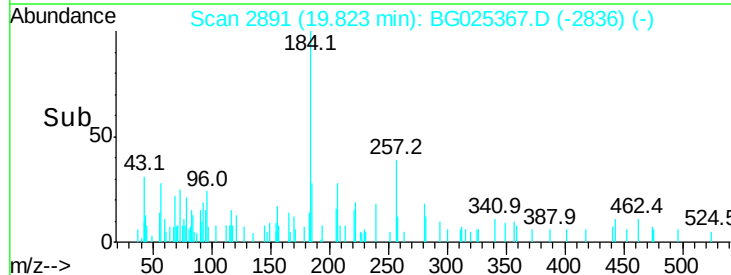
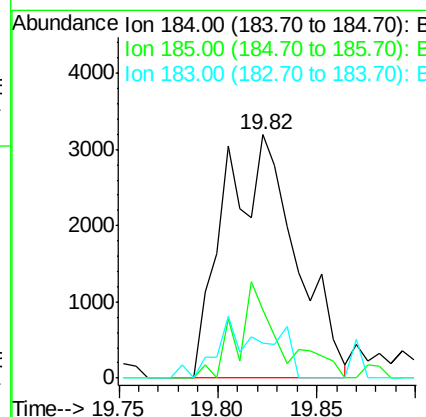
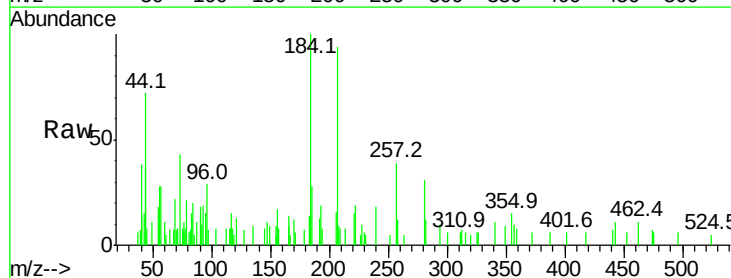
RT: 19.82 min Scan# 2891

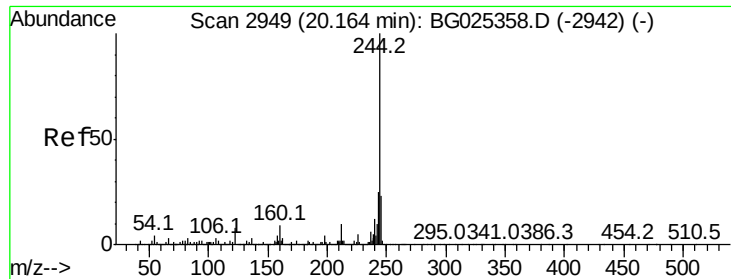
Delta R.T. 0.02 min

Lab File: BG025367.D

Acq: 21 Dec 2016 21:23

Tgt Ion:	184	Resp:	7958
Ion Ratio	Lower	Upper	
184	100		
185	27.9	13.0	19.6#
183	14.4	11.0	16.6





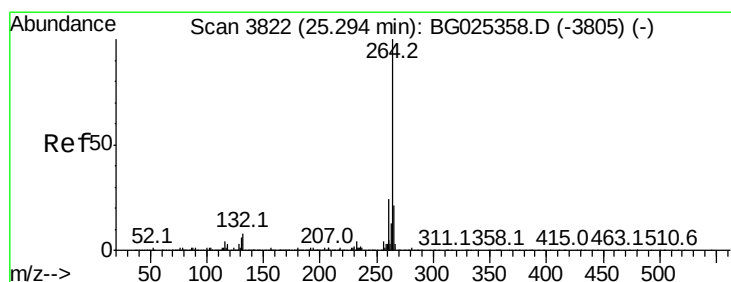
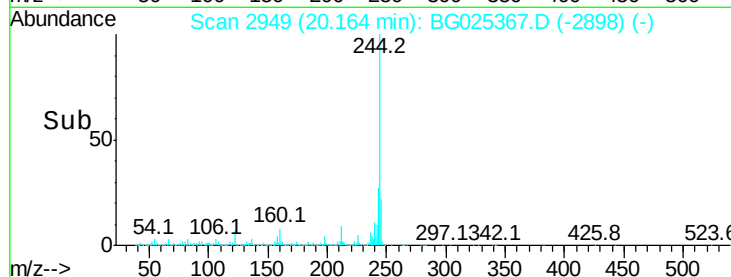
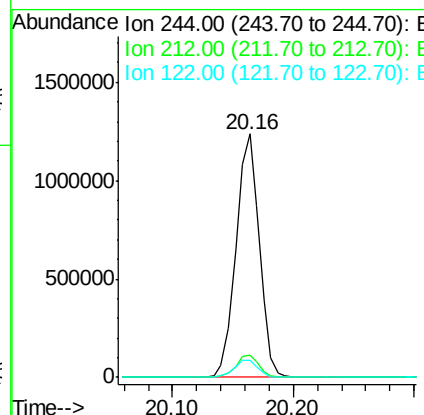
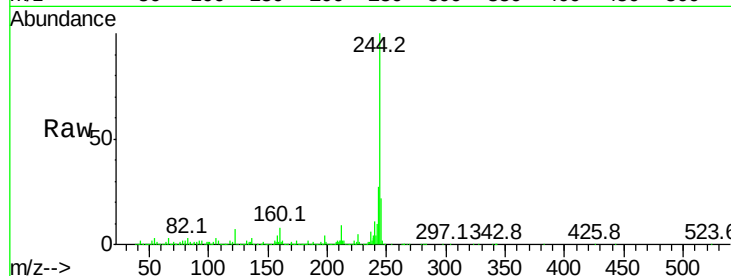
#78
 Terphenyl-d14
 Concen: 80.29 ng
 RT: 20.16 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: BG025367.D
 Acq: 21 Dec 2016 21:23

Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER-05-QT1-2017

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.4	10.0	15.0#
122	7.1	8.6	12.8#

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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.29 min Scan# 3821
 Delta R.T. -0.01 min
 Lab File: BG025367.D
 Acq: 21 Dec 2016 21:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	21.8	32.8
265	24.0	18.2	27.4

