

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092316\
 Data File : BG024101.D
 Acq On : 23 Sep 2016 23:53
 Operator : UM/SJ
 Sample : H4818-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER2016-05-QT4

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Quant Time: Sep 26 10:32:51 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 23 15:35:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	39587	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	172771	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	149717	20.00	ng	0.00
63) Phenanthrene-d10	17.48	188	376651	20.00	ng	0.00
75) Chrysene-d12	21.79	240	443069	20.00	ng	0.00
86) Perylene-d12	25.13	264	420641	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	323398	141.53	ng	0.00
7) Phenol-d6	7.21	99	486347	126.49	ng	0.00
23) Nitrobenzene-d5	9.22	82	352773	80.48	ng	0.00
41) 2,4,6-Tribromophenol	16.22	330	268086	124.57	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	725433	81.45	ng	0.00
78) Terphenyl-d14	20.09	244	1536960	71.03	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.44	88	1177m	1.35	ng	
3) Pyridine	3.93	79	3331m	1.08	ng	
4) n-Nitrosodimethylamine	3.80	42	2019m	1.29	ng	
20) 3+4-Methylphenols	8.90	107	3445m	0.88	ng	
26) 2-Nitrophenol	10.02	139	1884m	1.13	ng	
33) 4-Chloroaniline	11.08	127	4890m	1.25	ng	
35) Caprolactam	11.89	113	585	0.50	ng	# 72
61) 4-Nitroaniline	15.87	138	2758m	1.11	ng	

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

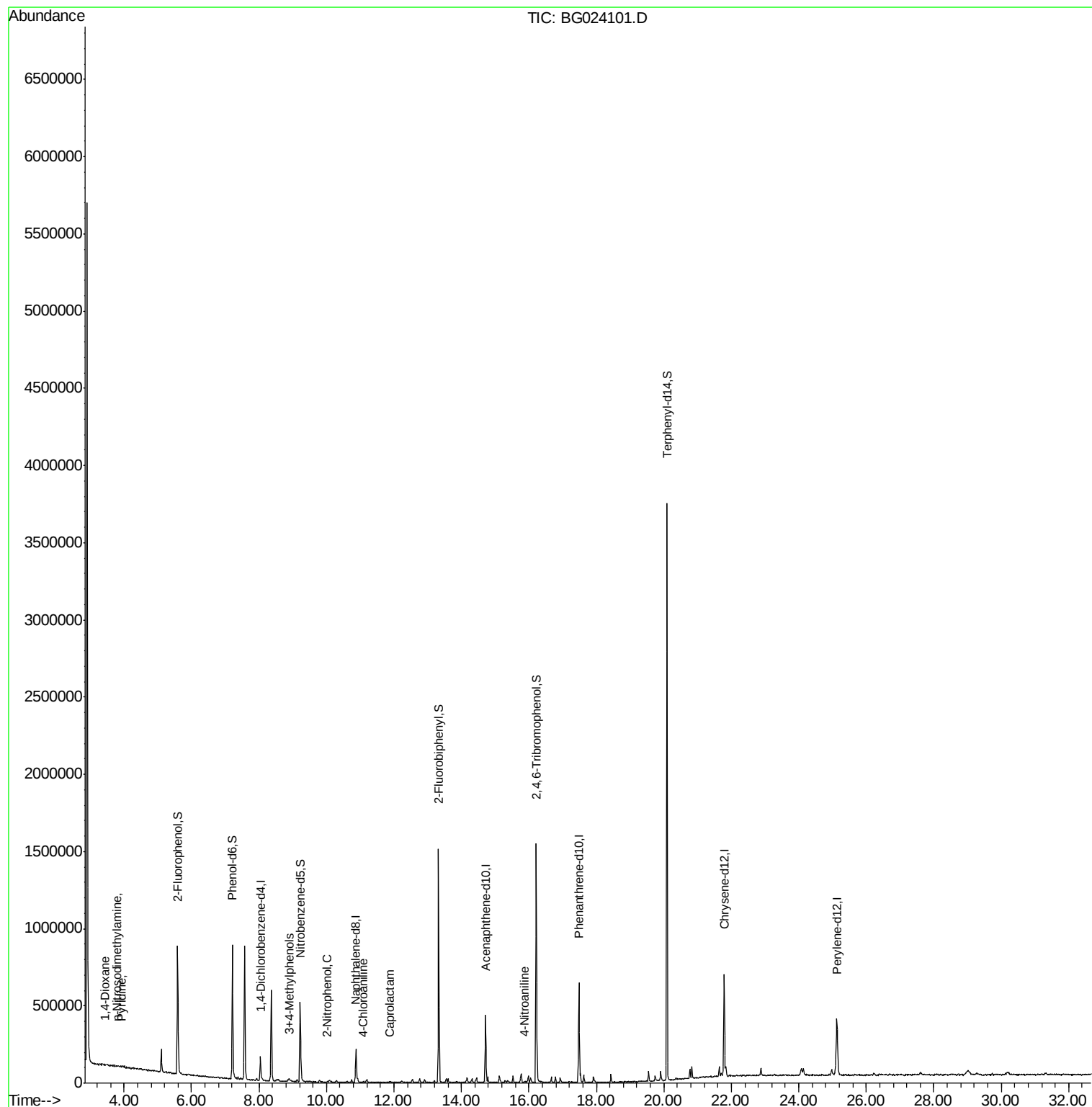
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092316\
Data File : BG024101.D
Acq On : 23 Sep 2016 23:53
Operator : UM/SJ
Sample : H4818-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

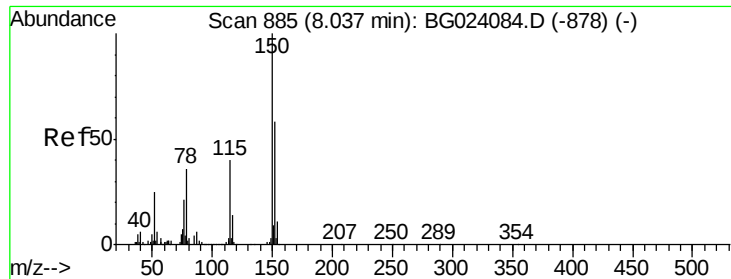
Instrument :
BNA_G
ClientSampleId :
LOD-WATER2016-05-QT4

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Quant Time: Sep 26 10:32:51 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 23 15:35:28 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.04 min Scan# 885

Delta R.T. 0.00 min

Lab File: BG024101.D

Acq: 23 Sep 2016 23:53

Instrument :

BNA_G

ClientSampleId :

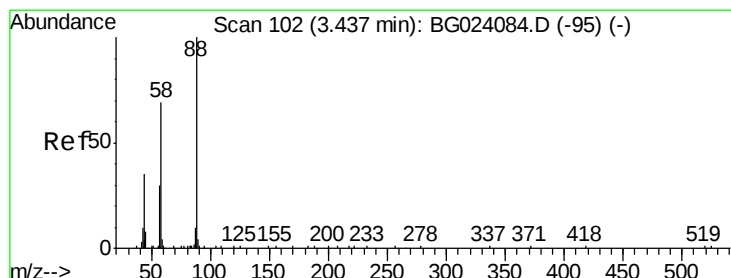
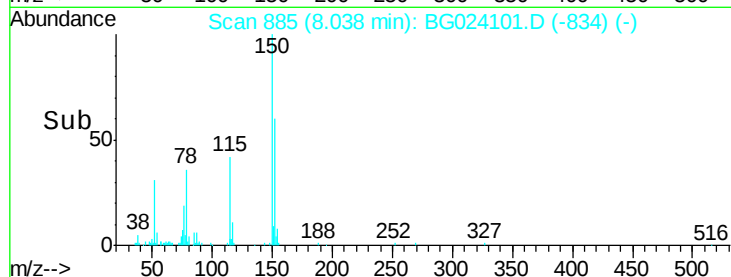
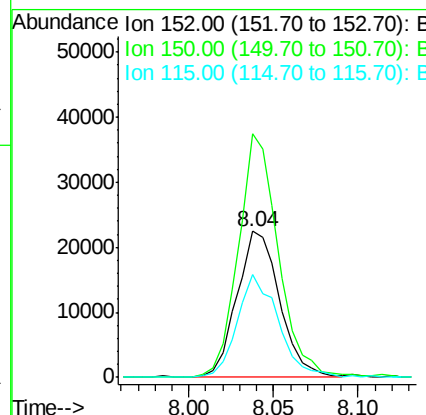
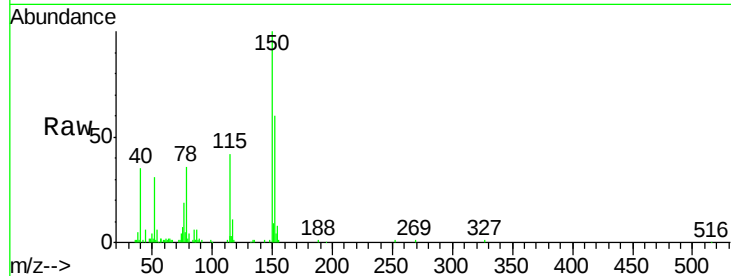
LOD-WATER2016-05-QT4

Tgt Ion:	152	Resp:	39587
Ion Ratio	Lower	Upper	
152	100		
150	166.7	144.7	217.1
115	70.5	64.0	96.0

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#2

1,4-Dioxane

Concen: 1.35 ng m

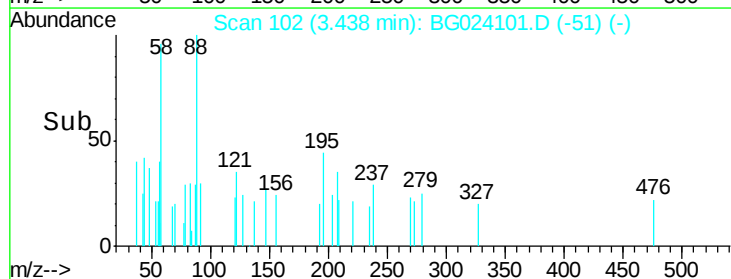
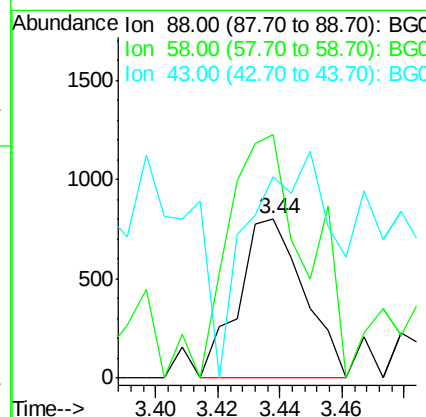
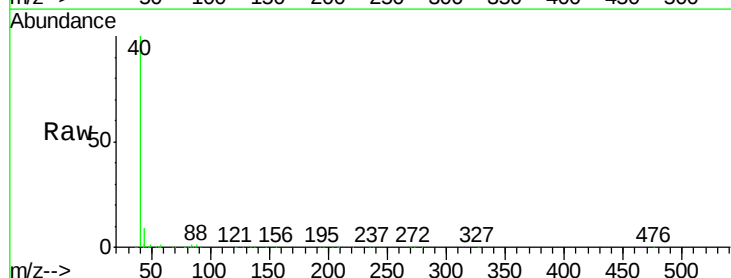
RT: 3.44 min Scan# 102

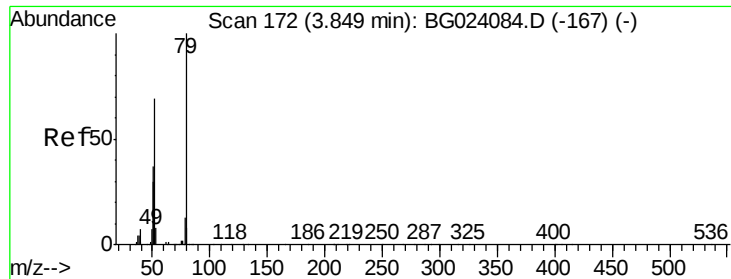
Delta R.T. 0.00 min

Lab File: BG024101.D

Acq: 23 Sep 2016 23:53

Tgt Ion:	88	Resp:	1177
Ion Ratio	Lower	Upper	
88	100		
58	0.0	60.4	90.6#
43	0.0	31.1	46.7#





#3

Pyridine

Concen: 1.08 ng m

RT: 3.93 min Scan# 186

Delta R.T. 0.08 min

Lab File: BG024101.D

Acq: 23 Sep 2016 23:53

Instrument :

BNA_G

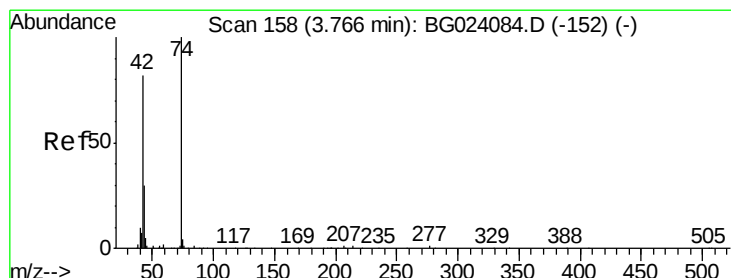
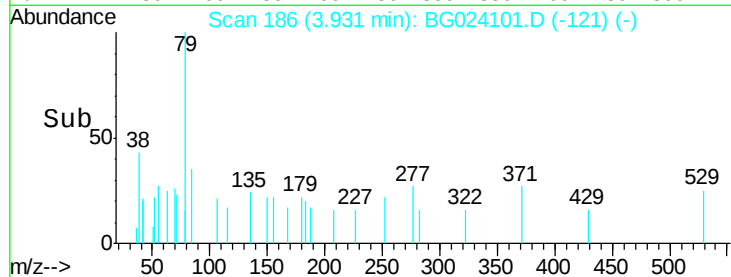
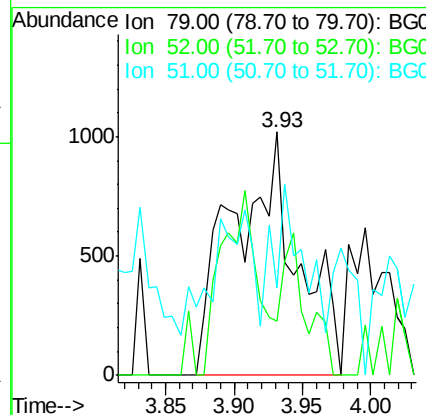
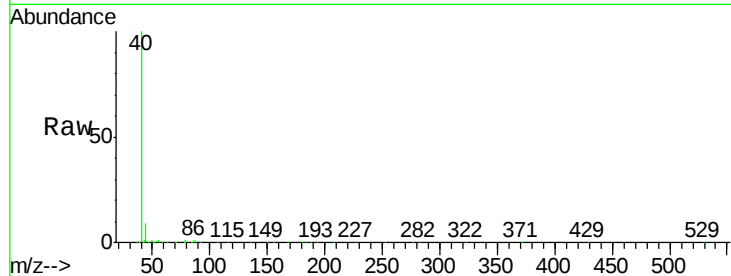
ClientSampleId :

LOD-WATER2016-05-QT4

Tgt Ion:	79	Resp:	3331
Ion Ratio	Lower	Upper	
79	100		
52	22.0	51.8	77.8#
51	36.0	32.7	49.1

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#4

n-Nitrosodimethylamine

Concen: 1.29 ng m

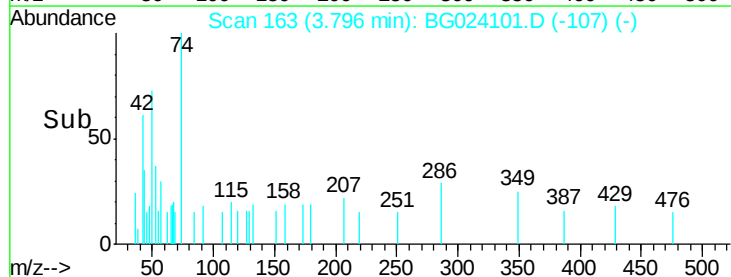
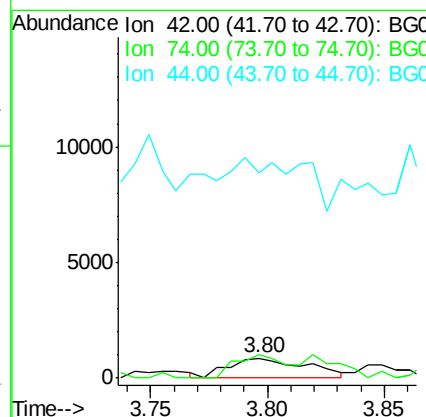
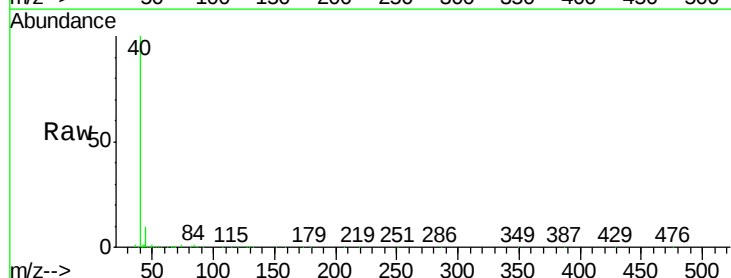
RT: 3.80 min Scan# 163

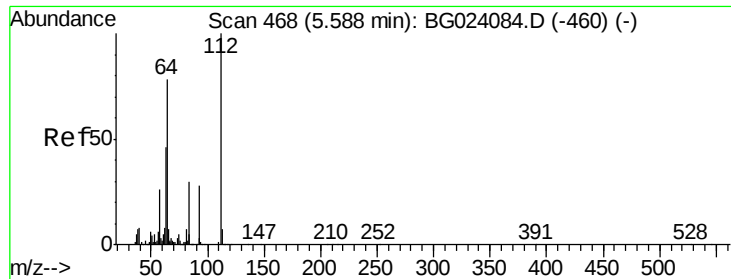
Delta R.T. 0.03 min

Lab File: BG024101.D

Acq: 23 Sep 2016 23:53

Tgt Ion:	42	Resp:	2019
Ion Ratio	Lower	Upper	
42	100		
74	116.3	100.6	150.8
44	1020.7	4.5	6.7#





#5

2-Fluorophenol

Concen: 141.53 ng

RT: 5.59 min Scan# 468

Delta R.T. 0.00 min

Lab File: BG024101.D

Acq: 23 Sep 2016 23:53

Instrument :

BNA_G

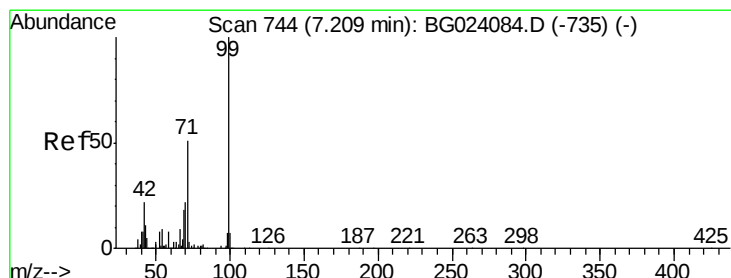
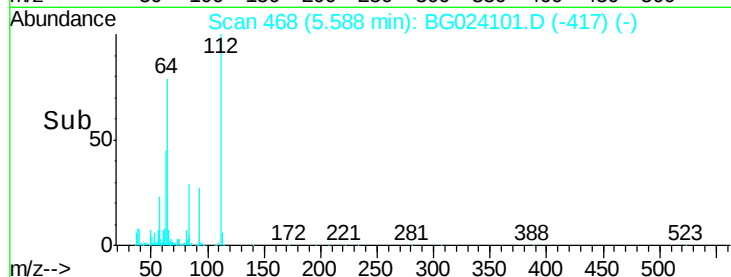
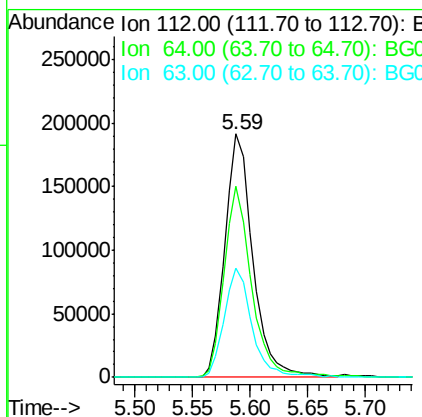
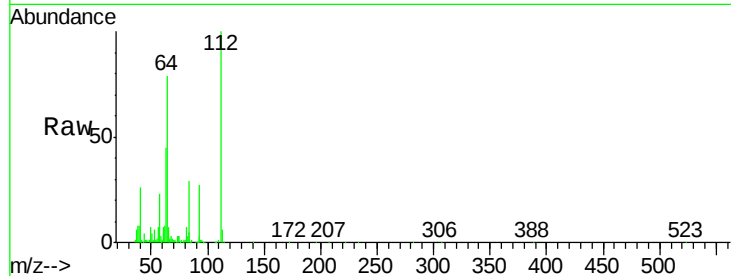
ClientSampleId :

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Tgt Ion:	112	Resp:	323398
Ion Ratio	Lower	Upper	
112	100		
64	78.8	59.0	88.4
63	44.9	37.8	56.8

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#7

Phenol-d6

Concen: 126.49 ng

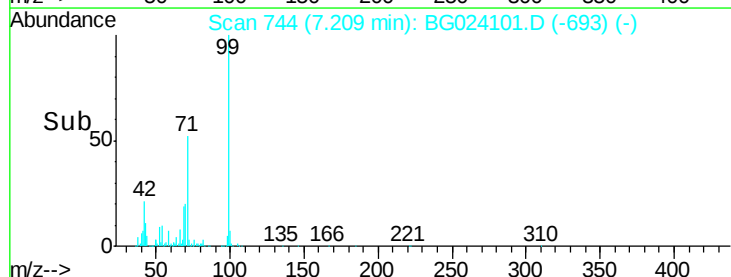
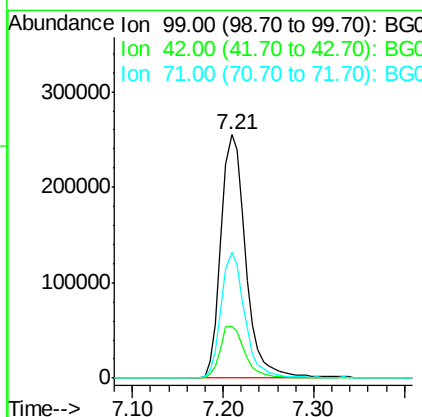
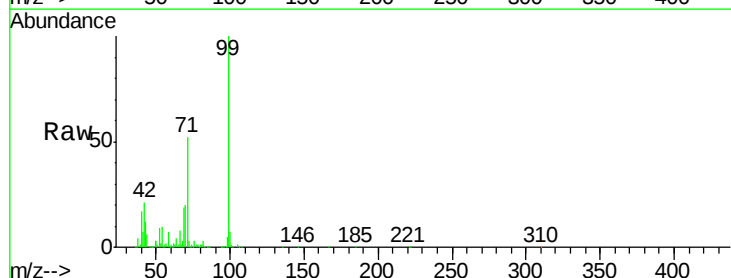
RT: 7.21 min Scan# 744

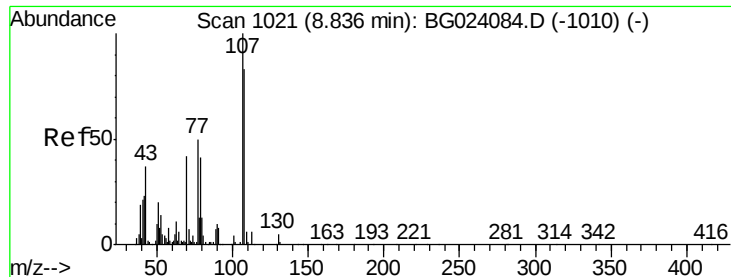
Delta R.T. 0.00 min

Lab File: BG024101.D

Acq: 23 Sep 2016 23:53

Tgt Ion:	99	Resp:	486347
Ion Ratio	Lower	Upper	
99	100		
42	21.0	17.8	26.6
71	51.8	41.5	62.3





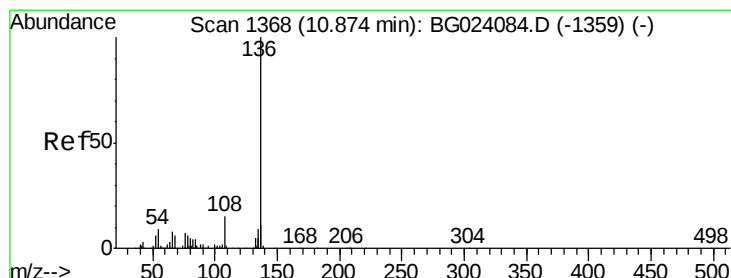
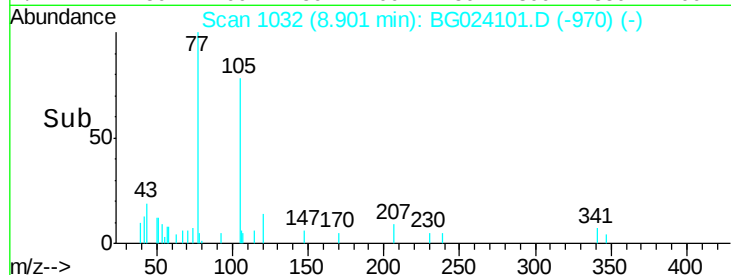
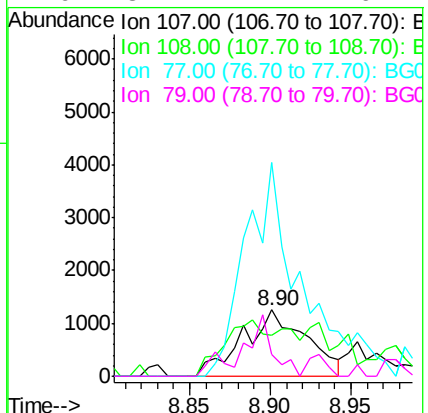
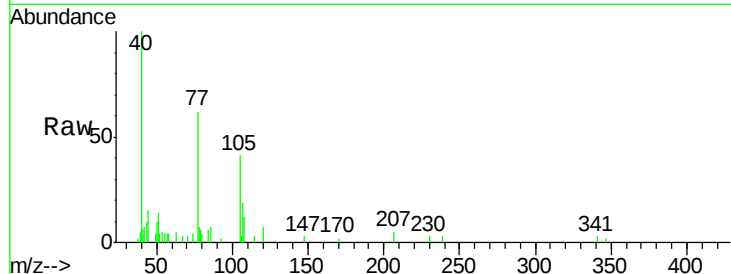
#20
3+4-Methylphenols
Concen: 0.88 ng m
RT: 8.90 min Scan# 1032
Delta R.T. 0.07 min
Lab File: BG024101.D
Acq: 23 Sep 2016 23:53

Instrument :
BNA_G
ClientSampleId :
LOD-WATER2016-05-QT4

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	3445		
108	60.7	72.5	112.5#	
77	321.1	30.1	70.1#	
79	32.4	24.2	64.2	

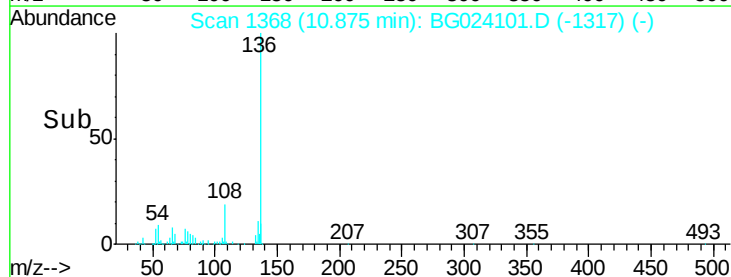
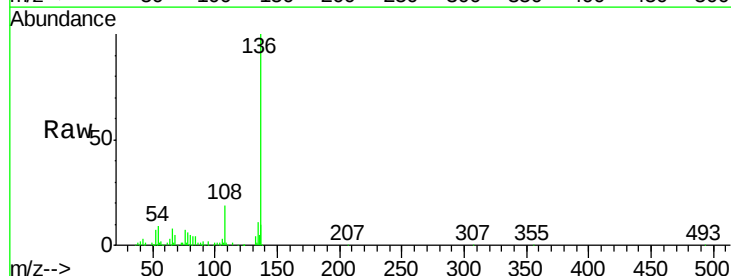
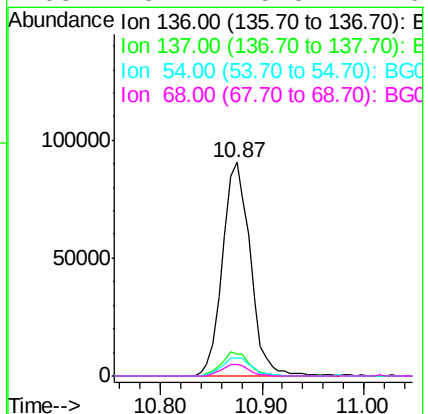
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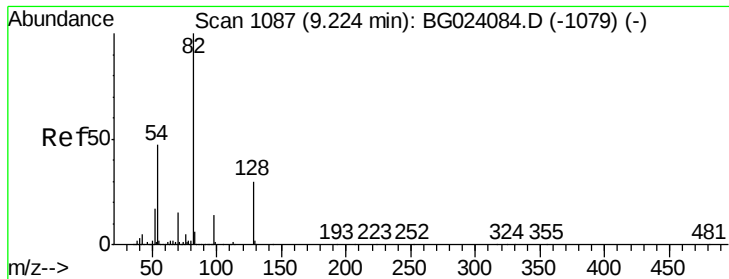
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.87 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BG024101.D
Acq: 23 Sep 2016 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	172771		
137	10.0	9.6	14.4	
54	8.5	7.3	10.9	
68	5.2	5.3	7.9#	





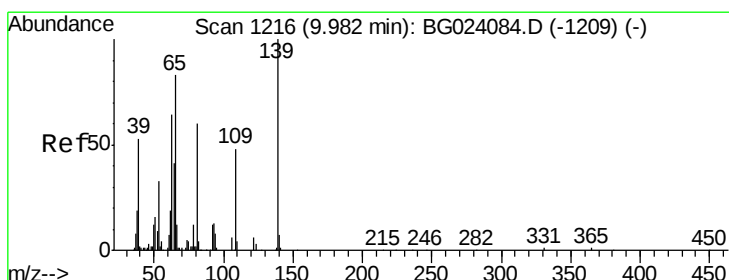
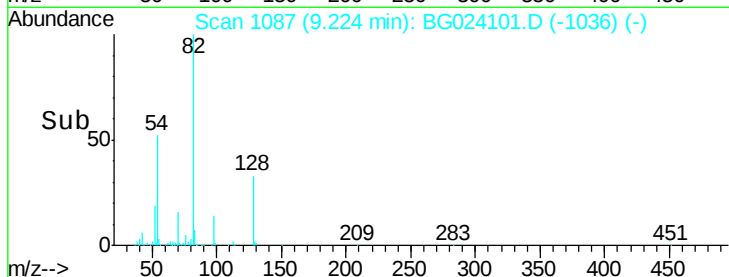
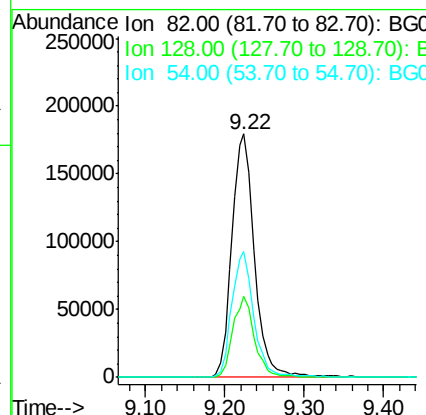
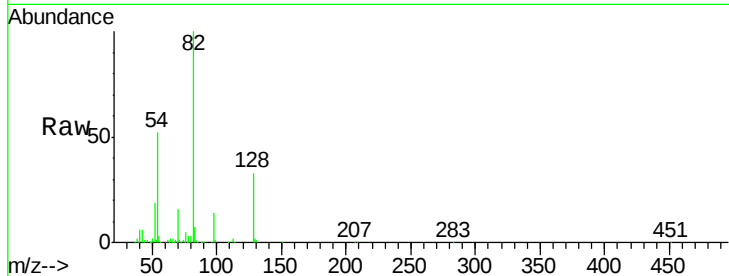
#23
 Nitrobenzene-d5
 Concen: 80.48 ng
 RT: 9.22 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: BG024101.D
 Acq: 23 Sep 2016 23:53

Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER2016-05-QT4

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	352773		
128	33.4	24.4	36.6	
54	51.8	41.4	62.0	

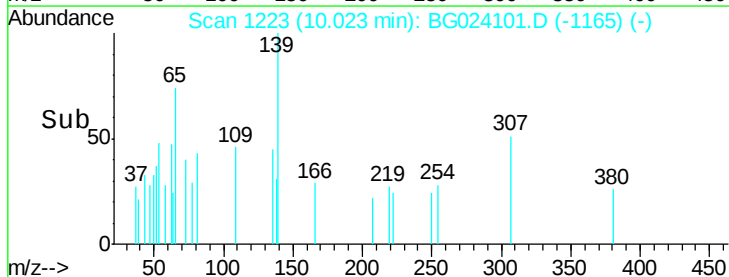
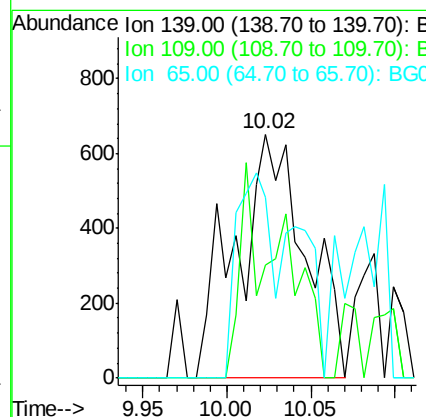
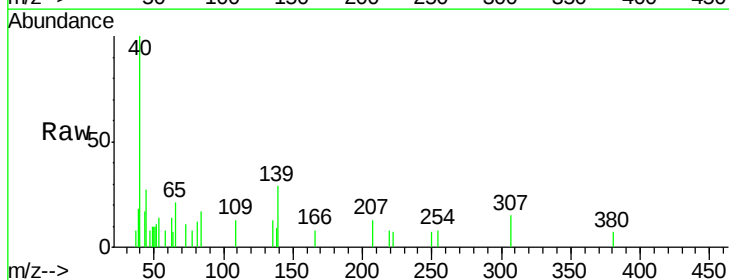
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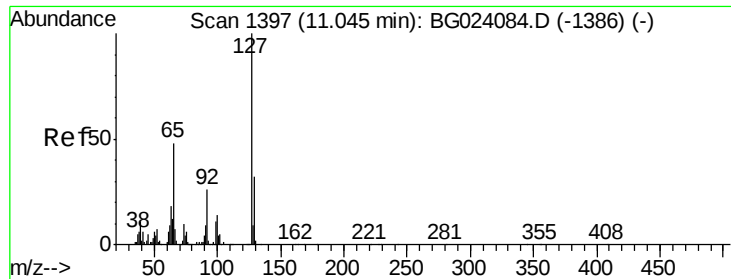
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#26
 2-Nitrophenol
 Concen: 1.13 ng m
 RT: 10.02 min Scan# 1223
 Delta R.T. 0.04 min
 Lab File: BG024101.D
 Acq: 23 Sep 2016 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	1884		
109	46.4	43.5	65.3	
65	74.3	64.3	96.5	





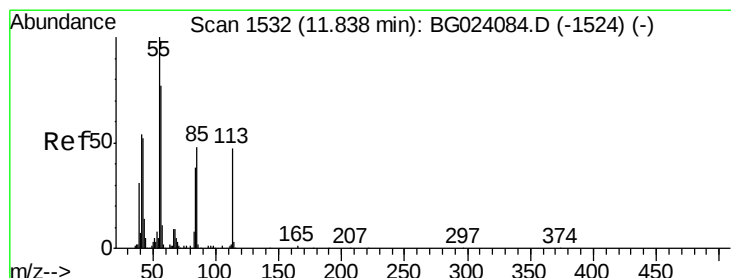
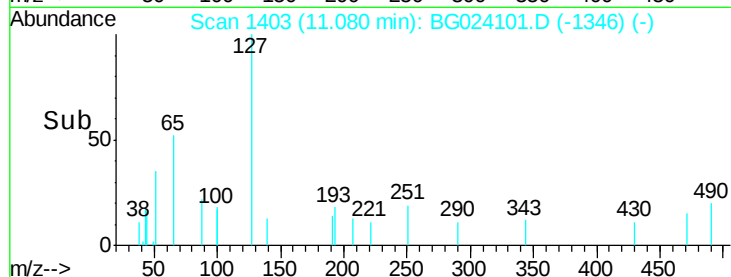
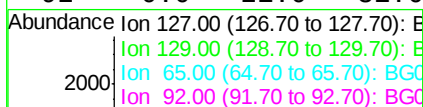
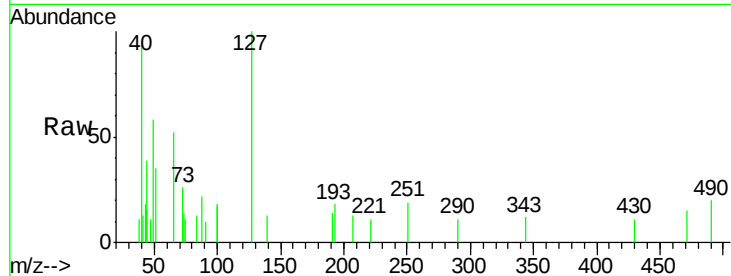
#33
4-Chloroaniline
Concen: 1.25 ng m
RT: 11.08 min Scan# 1403
Delta R.T. 0.04 min
Lab File: BG024101.D
Acq: 23 Sep 2016 23:53

Instrument :
BNA_G
ClientSampleId :
LOD-WATER2016-05-QT4

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	4890		
129	0.0	27.9	41.9#	
65	52.4	36.8	55.2	
92	0.0	21.0	31.6#	

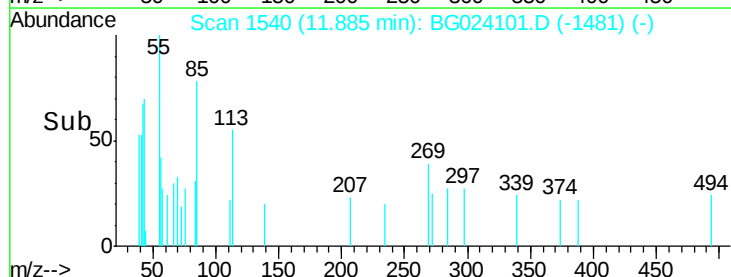
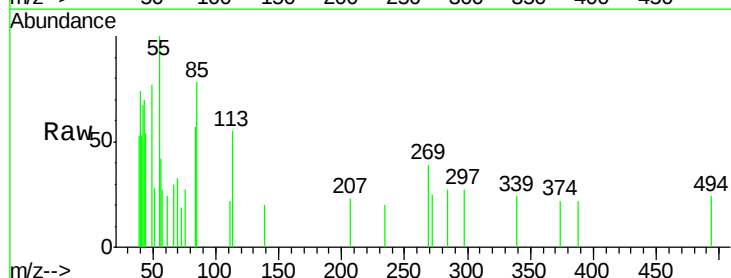
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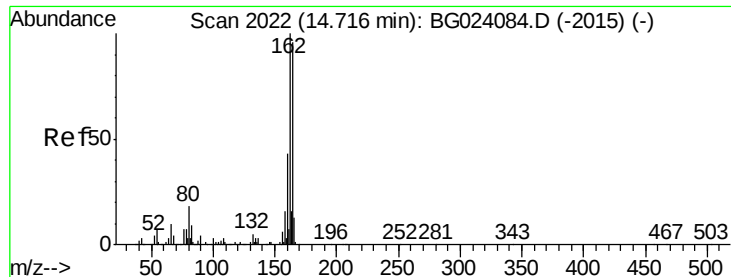
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#35
Caprolactam
Concen: 0.50 ng
RT: 11.89 min Scan# 1540
Delta R.T. 0.05 min
Lab File: BG024101.D
Acq: 23 Sep 2016 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	585		
55	182.9	154.5	194.5	
56	77.0	125.1	165.1#	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.72 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BG024101.D

Acq: 23 Sep 2016 23:53

Instrument :

BNA_G

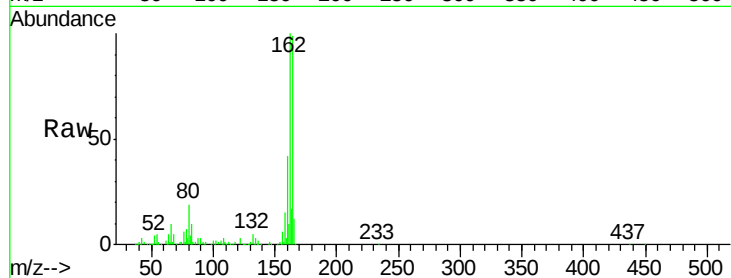
ClientSampleId :

LOD-WATER2016-05-QT4

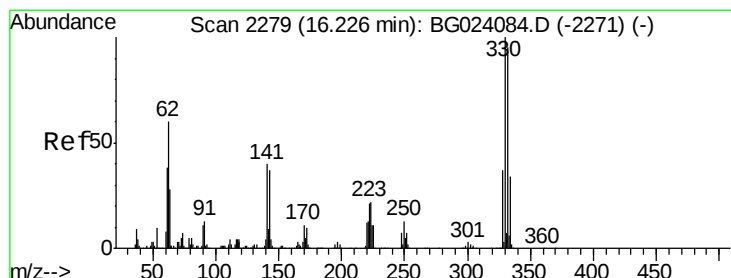
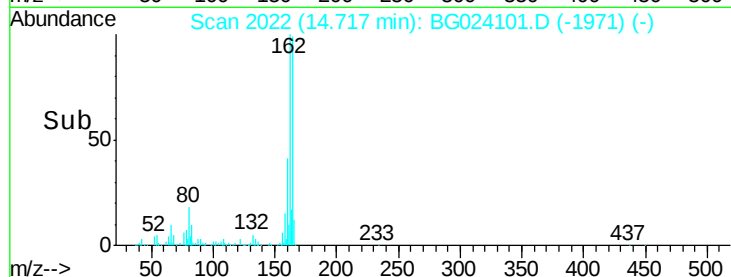
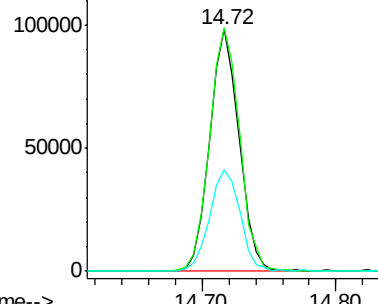
Tgt Ion:	164	Resp:	149717
Ion Ratio	Lower	Upper	
164	100		
162	100.6	87.7	131.5
160	41.8	37.2	55.8

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 124.57 ng

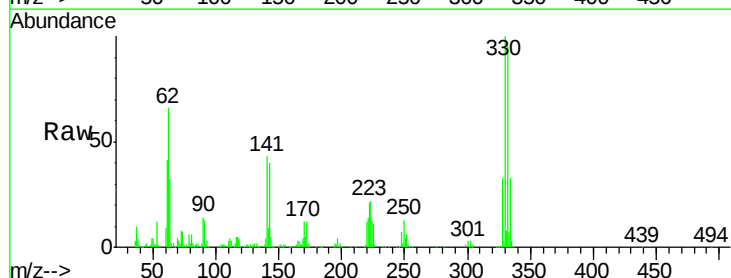
RT: 16.22 min Scan# 2278

Delta R.T. -0.01 min

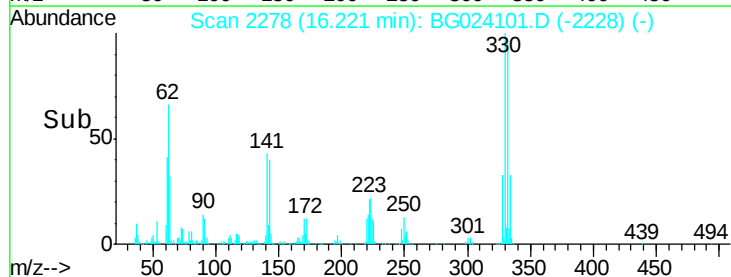
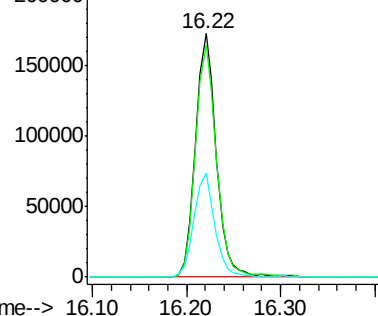
Lab File: BG024101.D

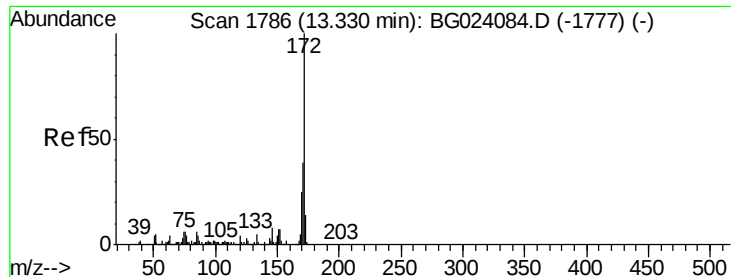
Acq: 23 Sep 2016 23:53

Tgt Ion:	330	Resp:	268086
Ion Ratio	Lower	Upper	
330	100		
332	96.4	77.4	116.2
141	42.7	31.7	47.5



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





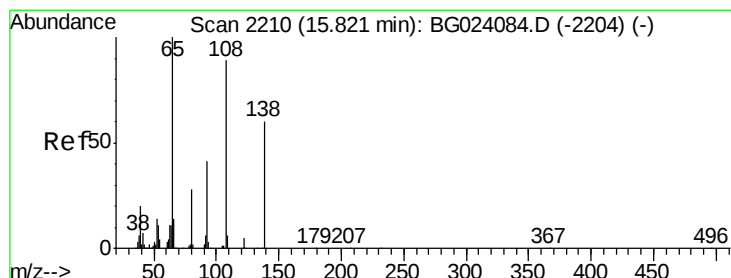
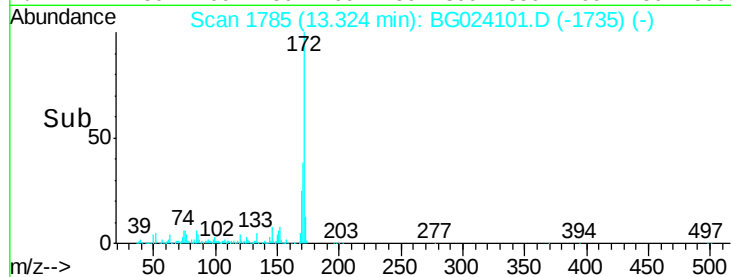
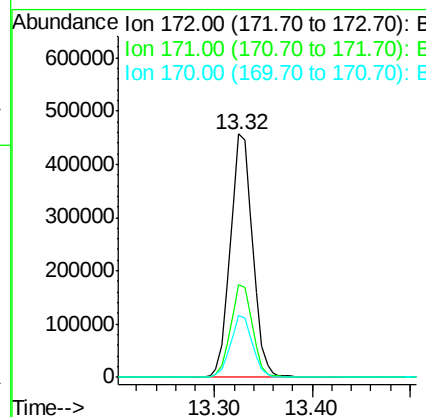
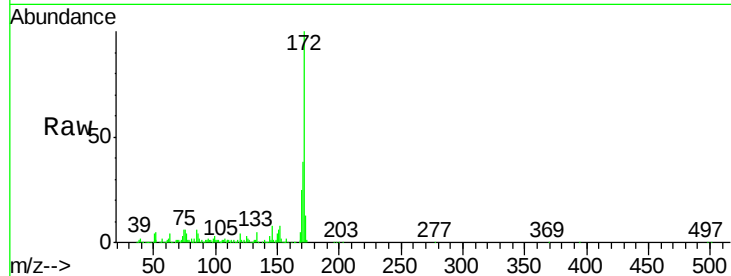
#44
 2-Fluorobiphenyl
 Concen: 81.45 ng
 RT: 13.32 min Scan# 1785
 Delta R.T. -0.01 min
 Lab File: BG024101.D
 Acq: 23 Sep 2016 23:53

Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER2016-05-QT4

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	31.6	47.4
170	25.3	21.3	31.9

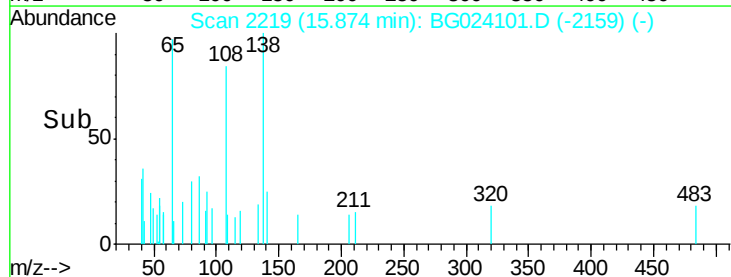
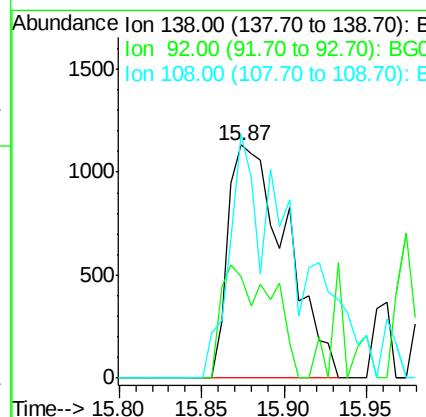
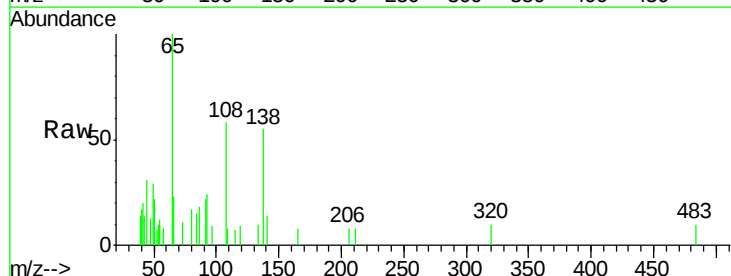
Manual Integrations
 APPROVED

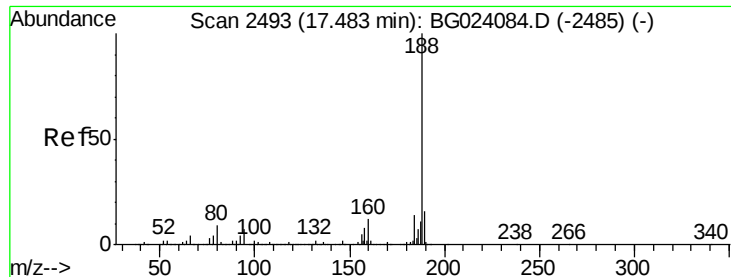
sohil
 9/26/2016 6:41:14 PM



#61
 4-Nitroaniline
 Concen: 1.11 ng m
 RT: 15.87 min Scan# 2219
 Delta R.T. 0.05 min
 Lab File: BG024101.D
 Acq: 23 Sep 2016 23:53

Tgt Ion	Ratio	Lower	Upper
138	100		
92	43.6	54.1	94.1#
108	104.5	133.9	173.9#





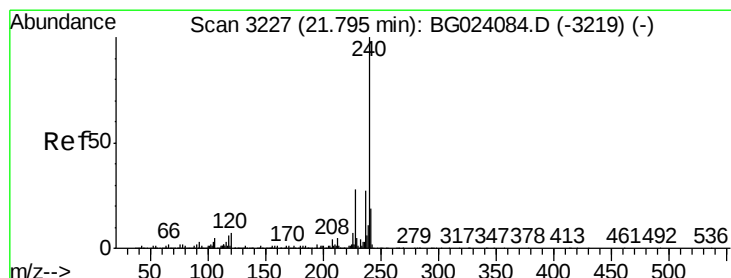
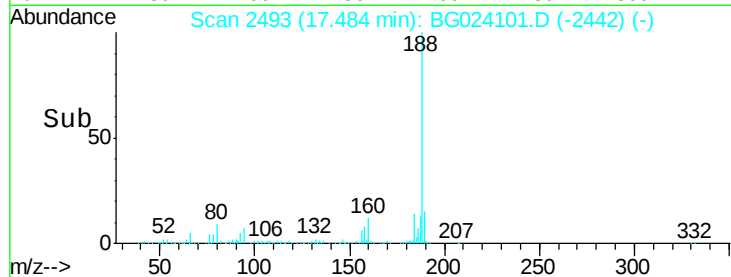
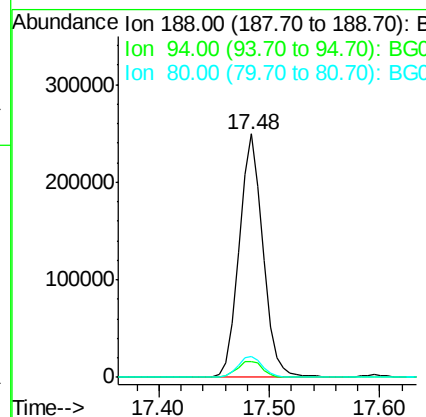
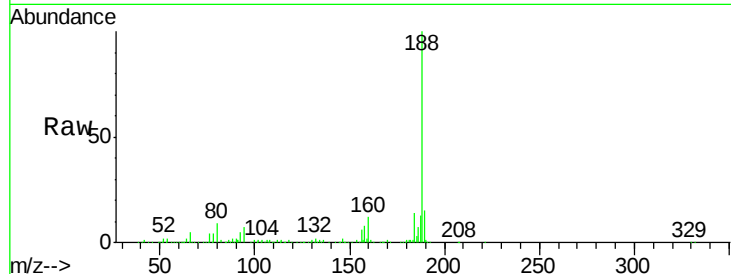
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2493
Delta R.T. 0.00 min
Lab File: BG024101.D
Acq: 23 Sep 2016 23:53

Instrument :
BNA_G
ClientSampleId :
LOD-WATER2016-05-QT4

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	376651		
94	6.7	5.2	7.8	
80	8.7	7.2	10.8	

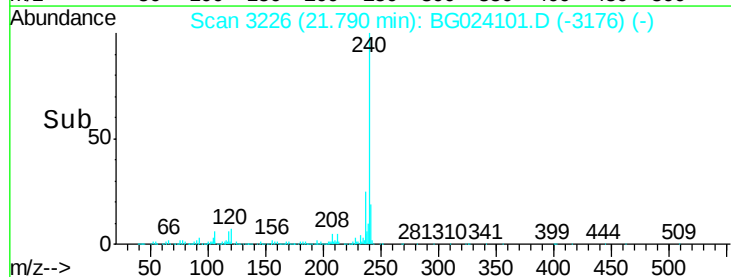
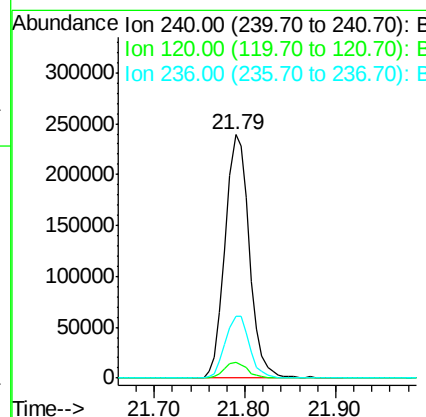
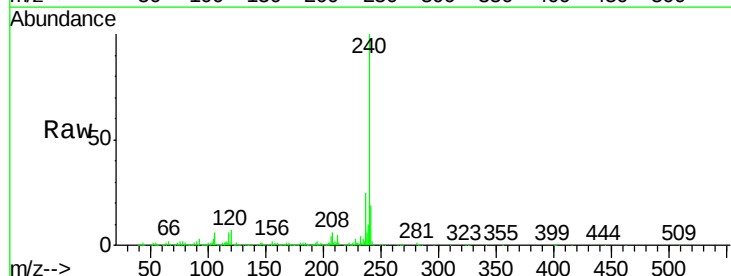
Manual Integrations
APPROVED

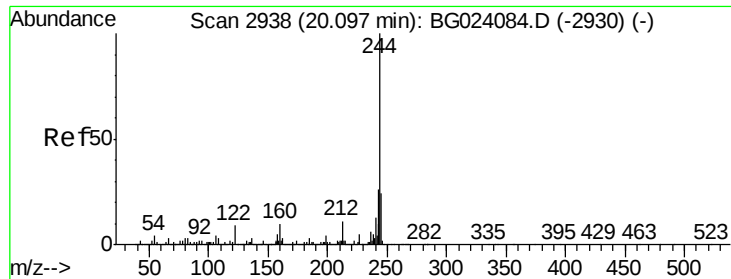
sohil
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.79 min Scan# 3226
Delta R.T. -0.01 min
Lab File: BG024101.D
Acq: 23 Sep 2016 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	443069		
120	6.6	4.1	6.1	#
236	25.4	21.1	31.7	





#78

Terphenyl-d14

Concen: 71.03 ng

RT: 20.09 min Scan# 2937

Delta R.T. -0.01 min

Lab File: BG024101.D

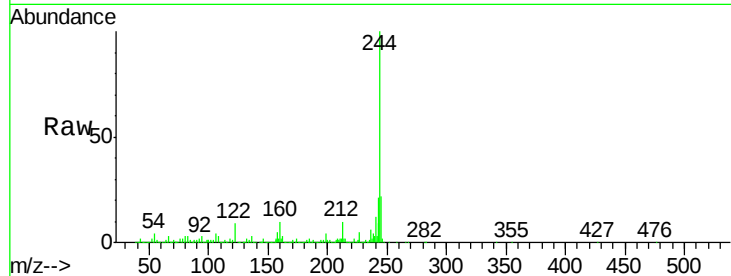
Acq: 23 Sep 2016 23:53

Instrument :

BNA_G

ClientSampleId :

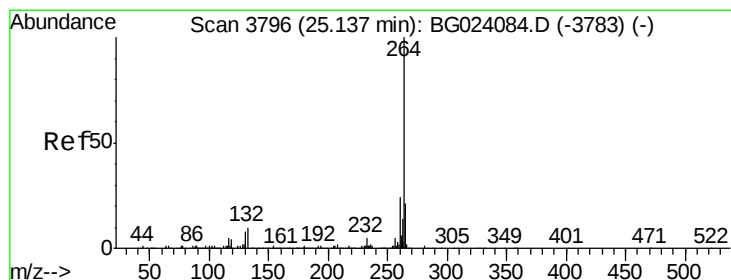
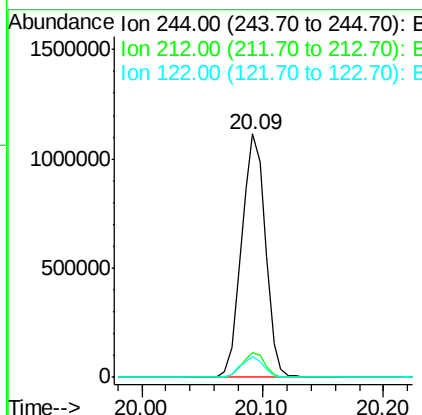
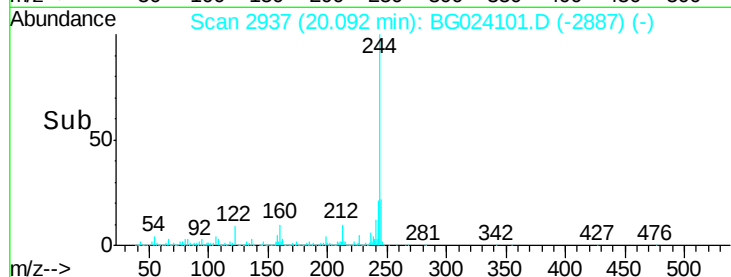
LOD-WATER2016-05-QT4



Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.1	10.8	16.2#
122	8.5	8.0	12.0

Manual Integrations
APPROVED

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#86

Perylene-d12

Concen: 20.00 ng

RT: 25.13 min Scan# 3794

Delta R.T. -0.01 min

Lab File: BG024101.D

Acq: 23 Sep 2016 23:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.4	27.6
265	22.2	18.9	28.3

