

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020618\
 Data File : BG032569.D
 Acq On : 6 Feb 2018 17:10
 Operator : SJ/JU
 Sample : J1161-07
 Misc : LOD-W-2 ppm
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2018

Manual Integrations
 APPROVED

Sohil
 2/7/2018 4:14:31 PM

Quant Time: Feb 07 13:46:19 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 18:57:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	17550	20.00	ng	0.00
21) Naphthalene-d8	11.59	136	83708	20.00	ng	0.00
38) Acenaphthene-d10	15.34	164	61707	20.00	ng	0.00
63) Phenanthrene-d10	18.08	188	161372	20.00	ng	0.00
75) Chrysene-d12	22.40	240	213699	20.00	ng	0.00
86) Perylene-d12	26.07	264	226092	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	132513	151.66	ng	0.00
7) Phenol-d6	7.83	99	132556	113.69	ng	0.00
23) Nitrobenzene-d5	9.91	82	80476	60.05	ng	0.00
41) 2,4,6-Tribromophenol	16.82	330	149109	126.95	ng	0.00
44) 2-Fluorobiphenyl	13.97	172	379891	73.17	ng	0.00
78) Terphenyl-d14	20.61	244	845670	84.77	ng	0.00
Target Compounds						
17) 2-Methylphenol	9.16	107	568	0.632	ng	# 54
19) n-Nitroso-di-n-propylamine	9.51	70	848	1.097	ng	# 34
20) 3+4-Methylphenols	9.49	107	1256	0.996	ng	# 50
22) Acetophenone	9.55	105	1582m	0.806	ng	
25) Isophorone	10.46	82	3048	1.336	ng	# 58
26) 2-Nitrophenol	10.69	139	317m	0.405	ng	
27) 2,4-Dimethylphenol	10.72	122	772	0.687	ng	99
28) bis(2-Chloroethoxy)methane	10.98	93	1170	0.935	ng	# 51
29) 2,4-Dichlorophenol	11.23	162	1483	0.996	ng	# 41
30) 1,2,4-Trichlorobenzene	11.44	180	2410	1.214	ng	# 67
36) 4-Chloro-3-methylphenol	12.82	107	1284	0.909	ng	# 82
42) 2,4,6-Trichlorophenol	13.79	196	2065	1.315	ng	# 88
43) 2,4,5-Trichlorophenol	13.87	196	1636	0.894	ng	# 66
56) 2,4-Dinitrotoluene	15.68	165	1655	0.973	ng	# 88
60) 4-Chlorophenyl-phenylether	16.35	204	4472	1.346	ng	# 86
61) 4-Nitroaniline	16.42	138	542	0.485	ng	# 63
76) Benzidine	20.26	184	148m	0.035	ng	
81) 3,3'-Dichlorobenzidine	22.27	252	3828	0.746	ng	# 98

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

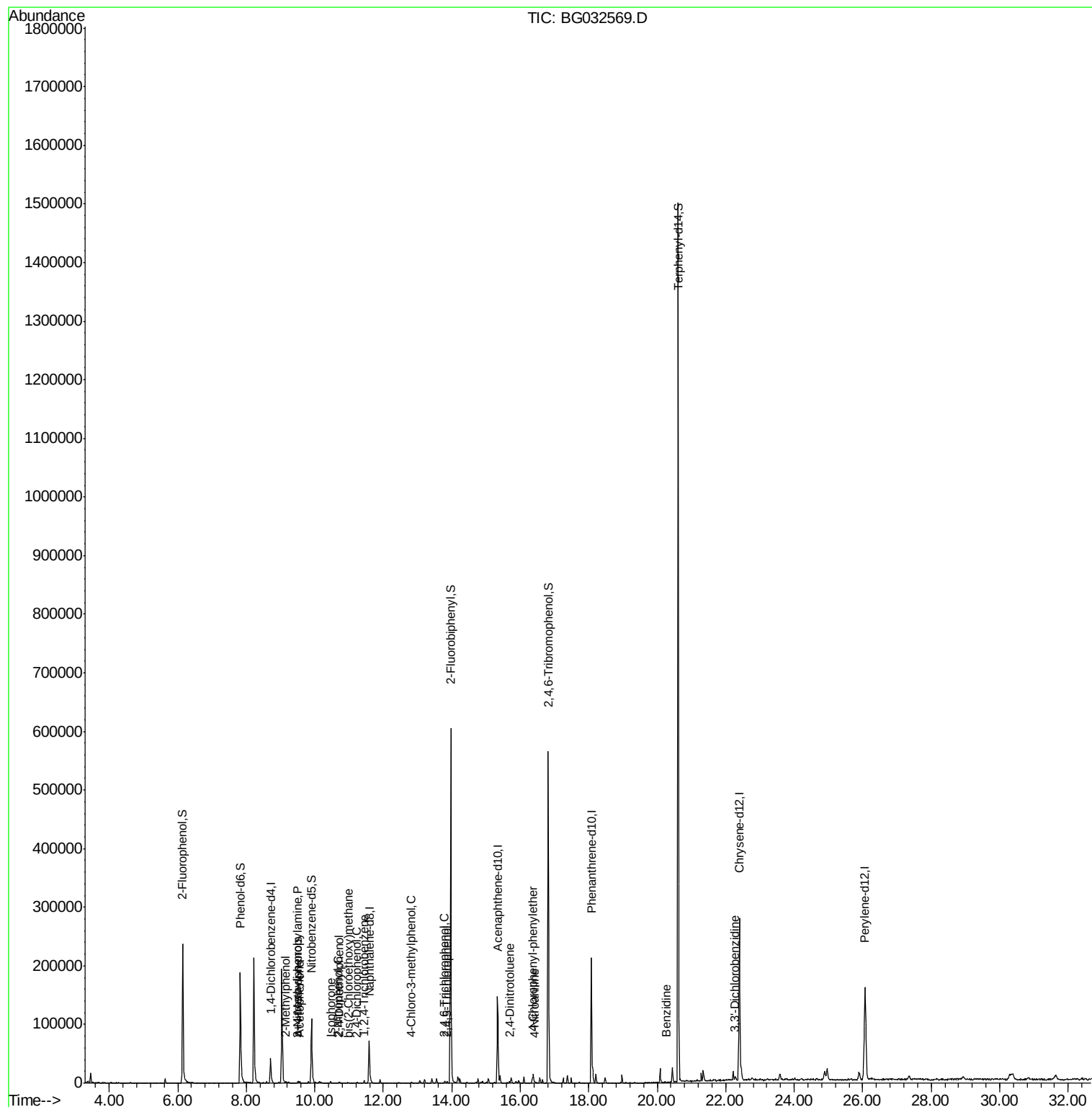
Data Path : Z:\HPCHEM1\BNA G\DATA\BG020618\
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ALS Vial : 6 Sample Multiplier: 1

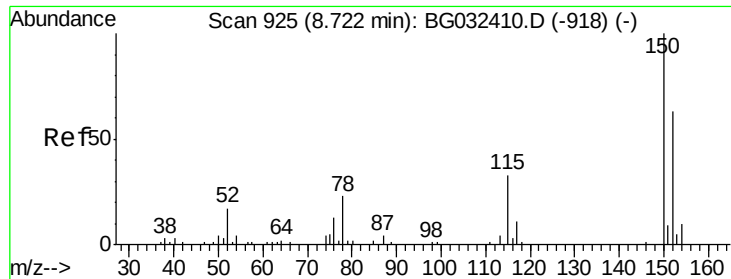
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

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#1

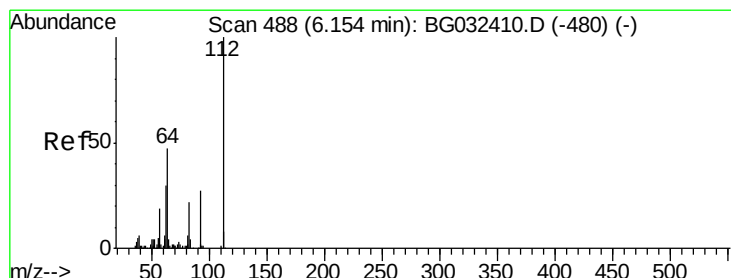
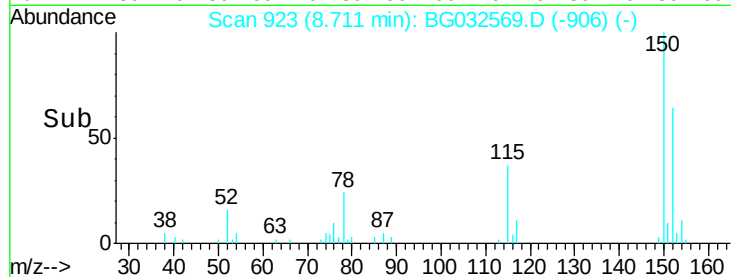
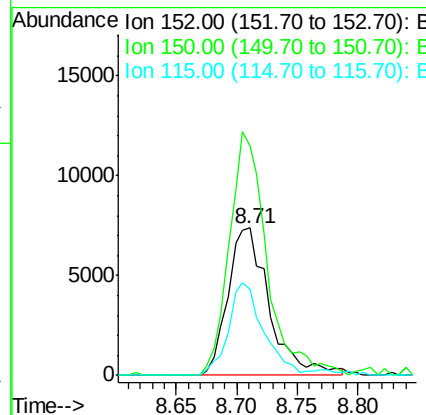
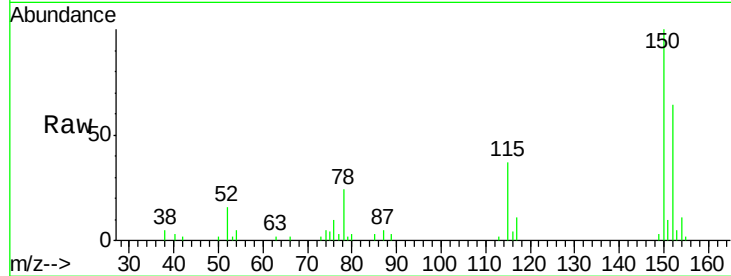
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.71 min Scan# 923
Delta R.T. 0.00 min
Lab File: BG032569.D
Acq: 6 Feb 2018 17:10

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	126.6	189.8
115	58.2	53.0	79.4

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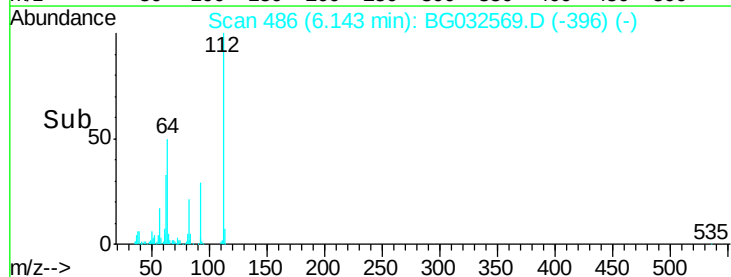
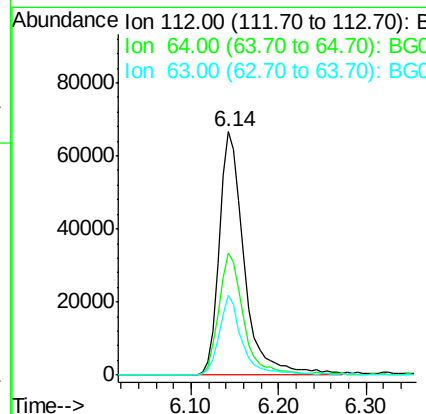
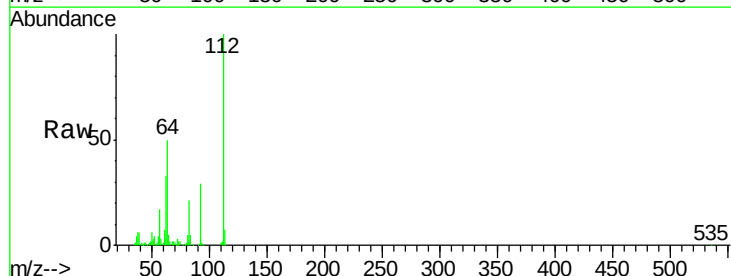
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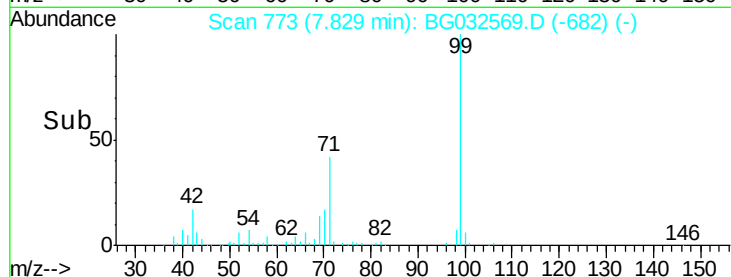
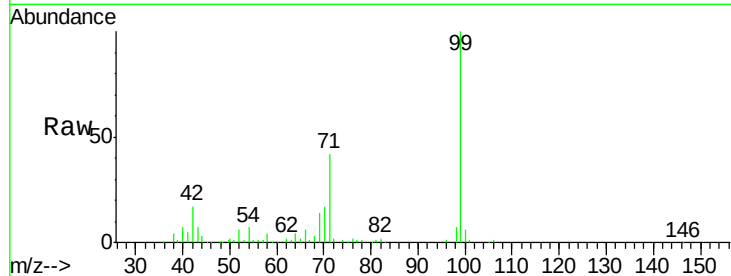
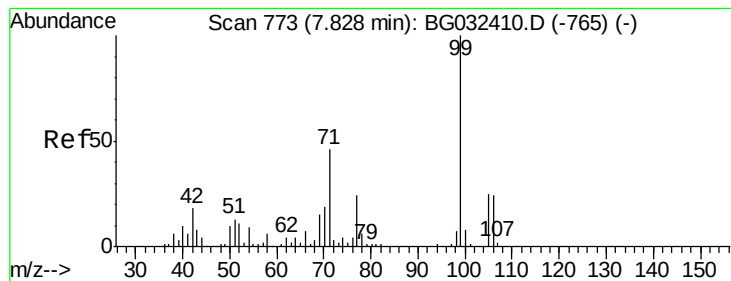


#5

2-Fluorophenol
Concen: 151.658 ng
RT: 6.14 min Scan# 486
Delta R.T. 0.00 min
Lab File: BG032569.D
Acq: 6 Feb 2018 17:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.0	56.3	84.5#
63	32.6	30.1	45.1





#7

Phenol-d6

Concen: 113.688 ng

RT: 7.83 min Scan# 773

Delta R.T. 0.01 min

Lab File: BG032569.D

Acq: 6 Feb 2018 17:10

Tot Ion	Ratio	Resp	Lower	Upper
99	100	132556		
42	16.6		14.1	21.1
71	41.9		26.1	39.1

Instrument :

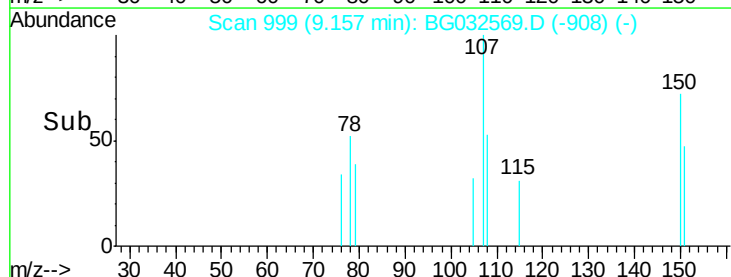
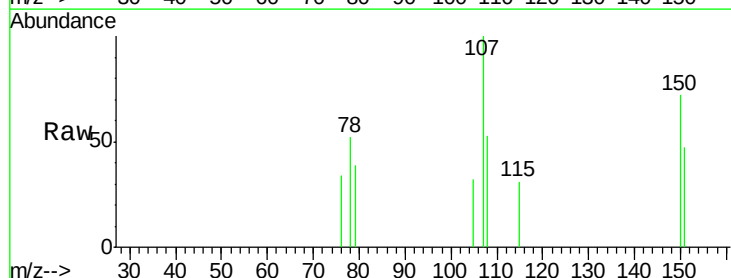
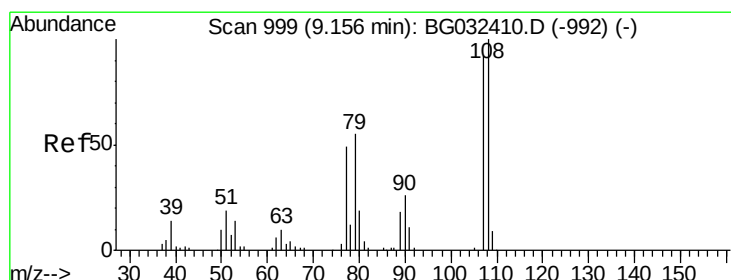
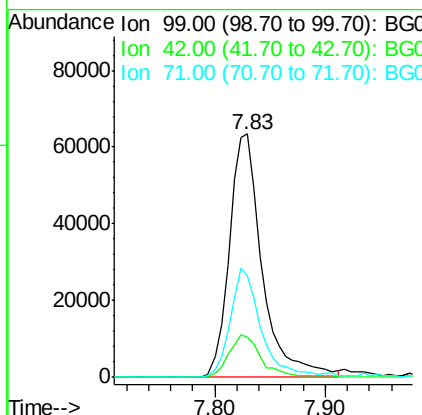
BNA_G

ClientSampleId :

LOD-MDL-WATER-01-QT1-2018

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#17

2-Methylphenol

Concen: 0.632 ng

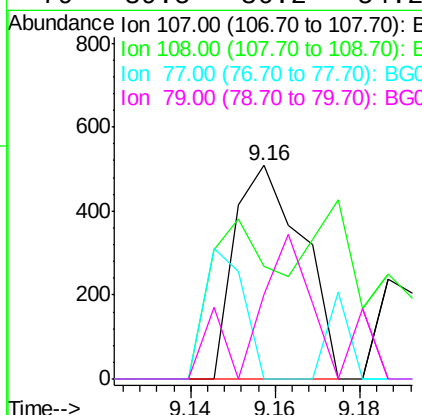
RT: 9.16 min Scan# 999

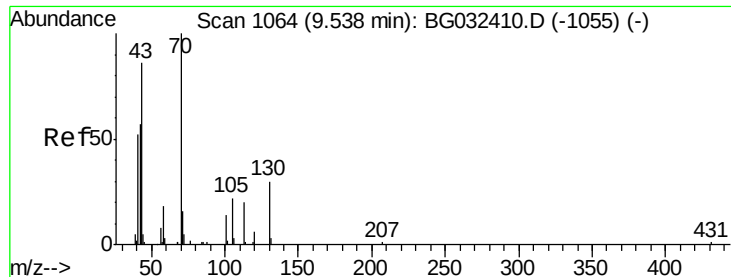
Delta R.T. 0.01 min

Lab File: BG032569.D

Acq: 6 Feb 2018 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	568		
108	52.7		83.9	125.9
77	0.0		37.2	55.8
79	39.5		36.2	54.2





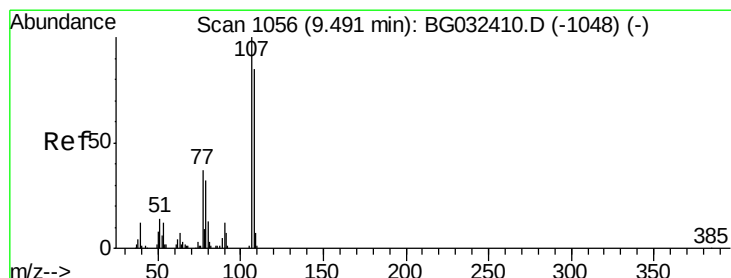
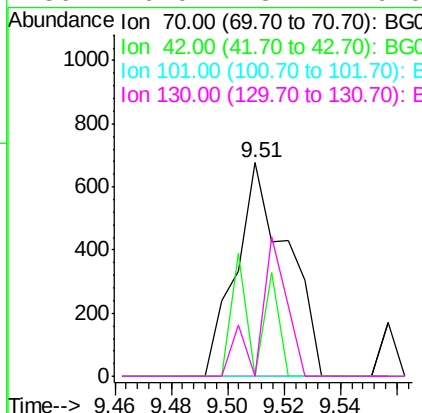
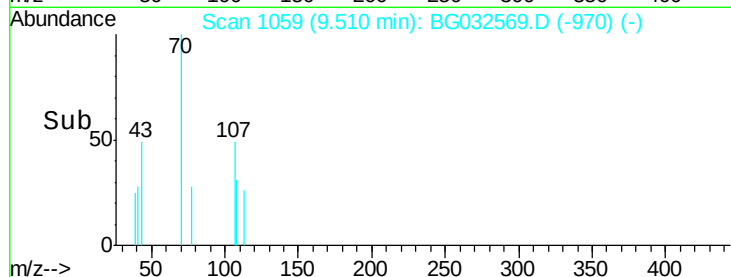
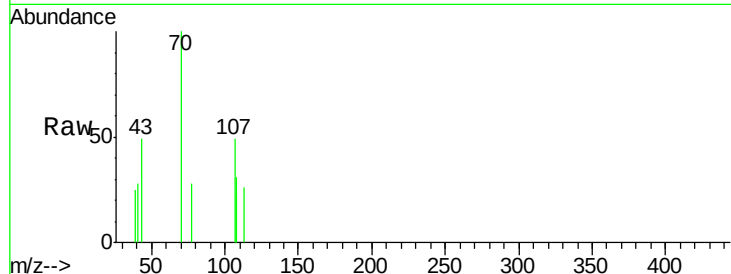
#19
n-Nitroso-di-n-propylamine
Concen: 1.097 ng
RT: 9.51 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BG032569.D
Acq: 6 Feb 2018 17:10

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	0.0	49.1	73.7#	
101	0.0	8.5	12.7#	
130	0.0	13.4	20.0#	

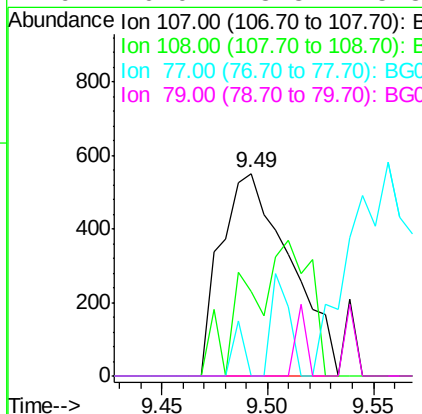
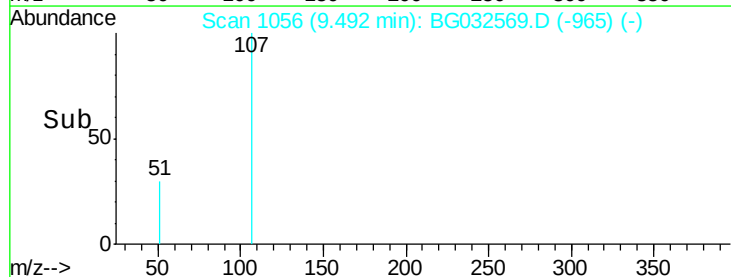
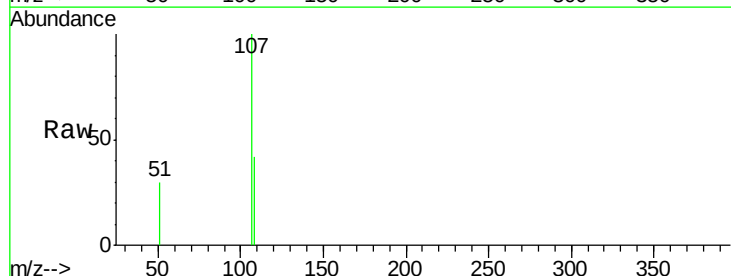
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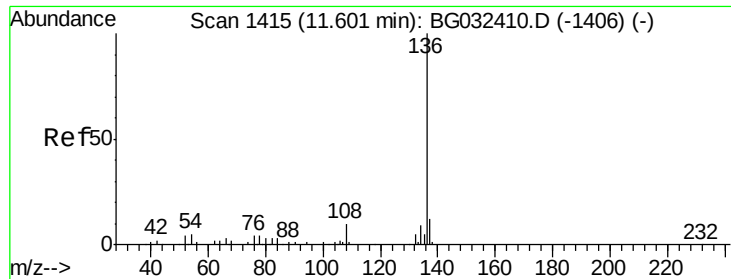
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#20
3+4-Methylphenols
Concen: 0.996 ng
RT: 9.49 min Scan# 1056
Delta R.T. 0.01 min
Lab File: BG032569.D
Acq: 6 Feb 2018 17:10

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	41.9	61.6	101.6#	
77	0.0	13.9	53.9#	
79	0.0	8.8	48.8#	





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.59 min Scan# 1413

Delta R.T. 0.01 min

Lab File: BG032569.D

Acq: 6 Feb 2018 17:10

Instrument :

BNA_G

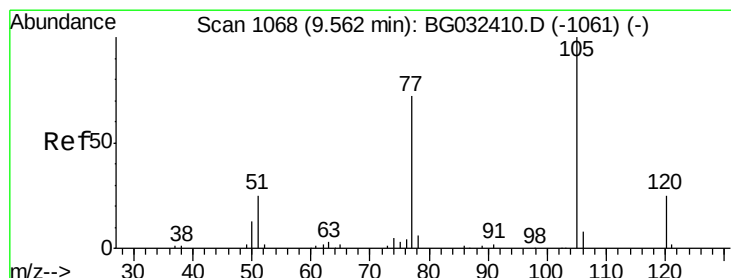
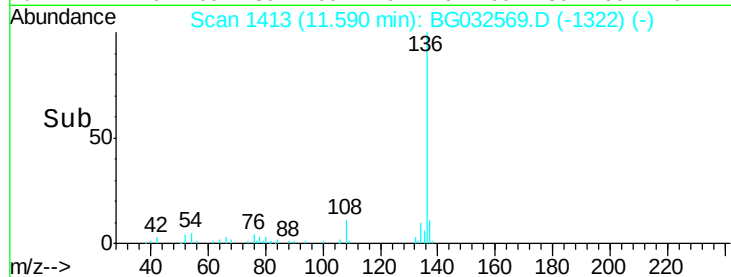
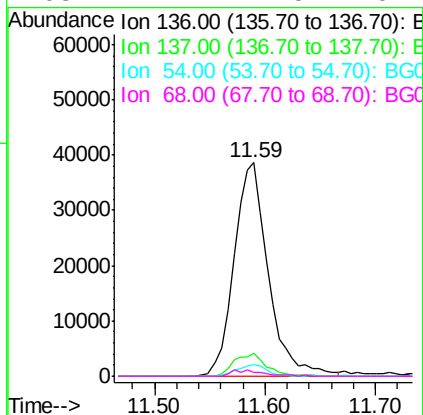
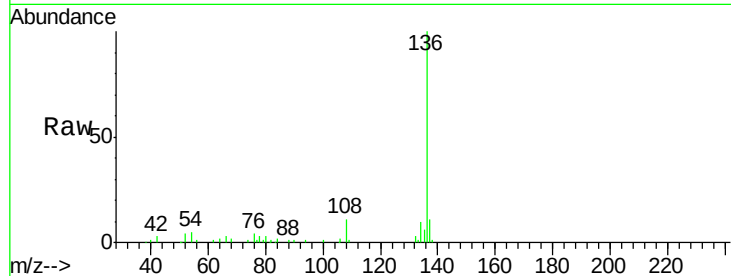
ClientSampleId :

LOD-MDL-WATER-01-QT1-2018

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	5.2	10.3	15.5#
68	2.1	4.5	6.7#

Manual Integrations
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#22

Acetophenone

Concen: 0.806 ng m

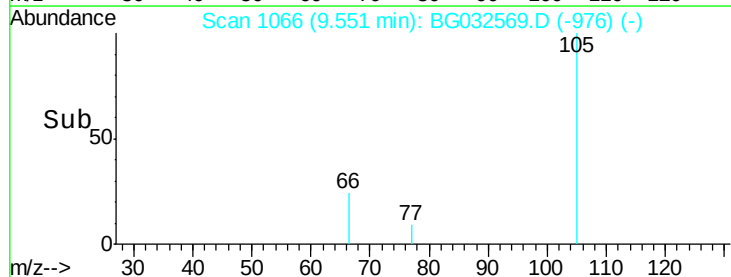
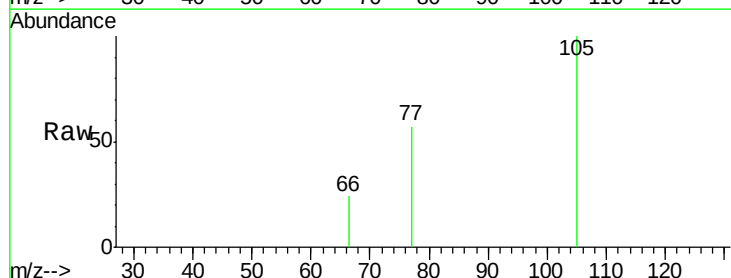
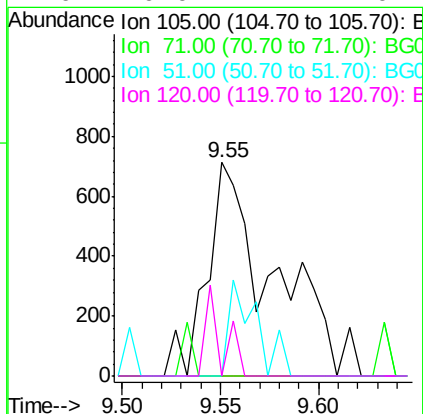
RT: 9.55 min Scan# 1066

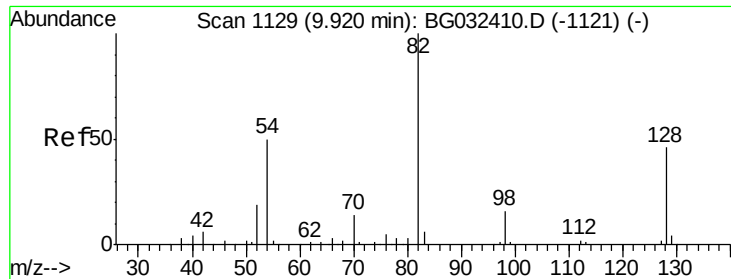
Delta R.T. 0.00 min

Lab File: BG032569.D

Acq: 6 Feb 2018 17:10

Tgt Ion	Ratio	Lower	Upper
105	100		
71	0.0	3.0	4.4#
51	0.0	26.1	39.1#
120	0.0	17.4	26.2#





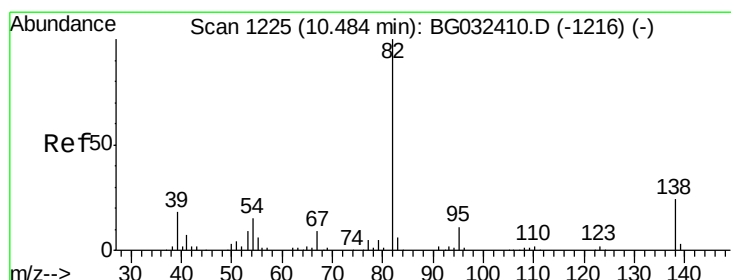
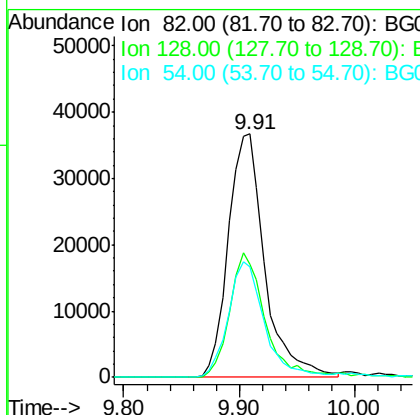
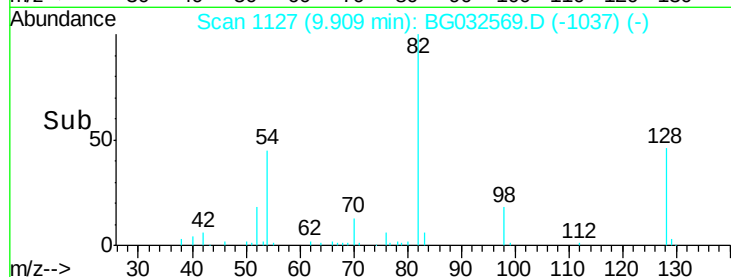
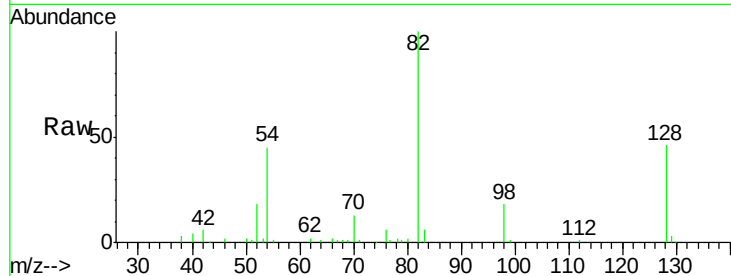
#23
Nitrobenzene-d5
Concen: 60.049 ng
RT: 9.91 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BG032569.D
Acq: 6 Feb 2018 17:10

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.3	29.7	44.5#
54	45.3	43.1	64.7

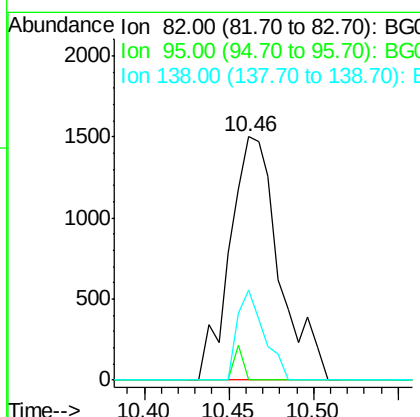
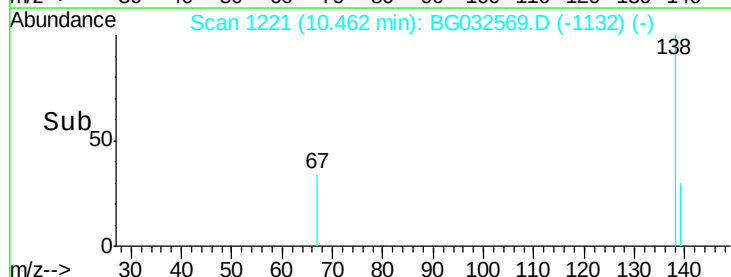
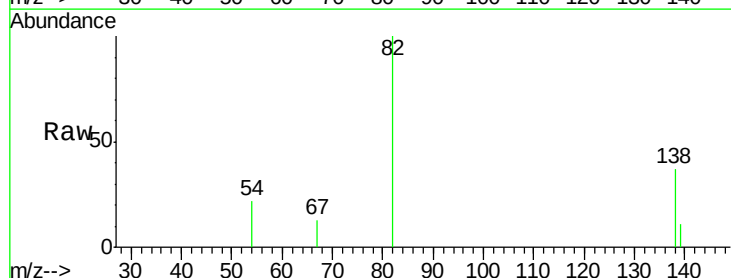
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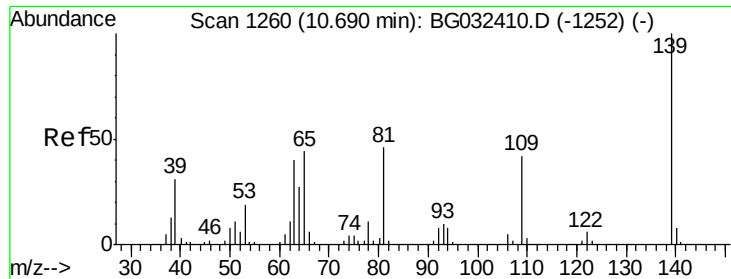
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#25
Isophorone
Concen: 1.336 ng
RT: 10.46 min Scan# 1221
Delta R.T. -0.01 min
Lab File: BG032569.D
Acq: 6 Feb 2018 17:10

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.2	9.2#
138	37.0	12.1	18.1#





#26

2-Nitrophenol

Concen: 0.405 ng/mL

RT: 10.69 min Scan# 1260

Delta R.T. 0.01 min

Lab File: BG032569.D

Acq: 6 Feb 2018 17:10

Instrument :

BNA_G

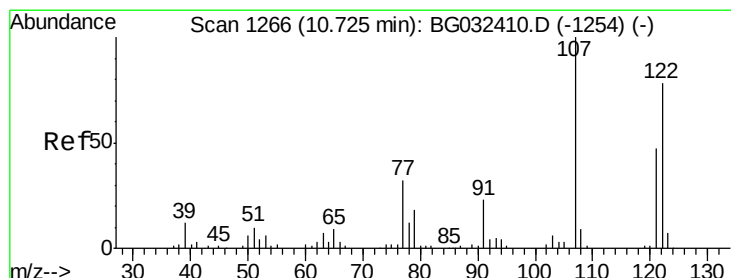
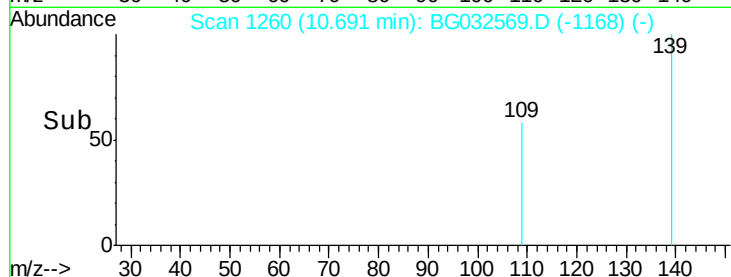
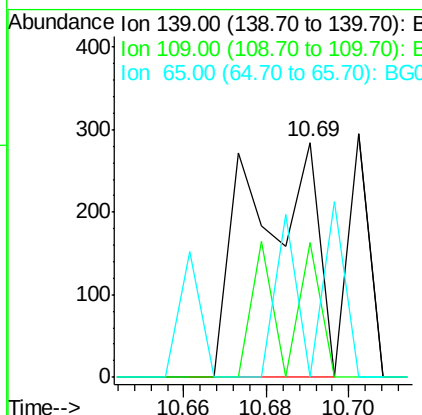
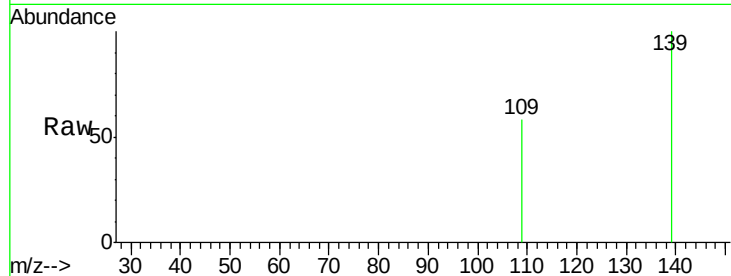
ClientSampleId :

LOD-MDL-WATER-01-QT1-2018

Tot Ion:	139	Resp:	317
Ion Ratio	Lower	Upper	
139	100		
109	57.5	24.2	36.2#
65	0.0	47.4	71.0#

Manual Integrations
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#27

2,4-Dimethylphenol

Concen: 0.687 ng/mL

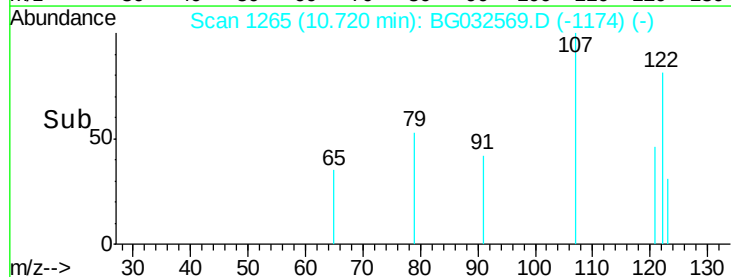
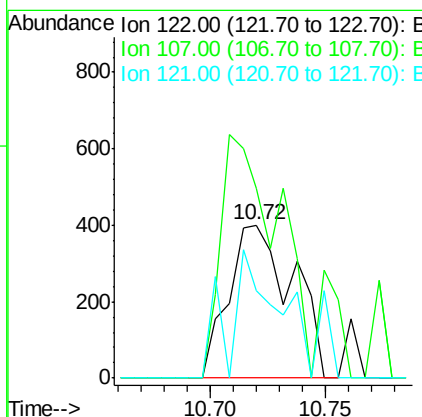
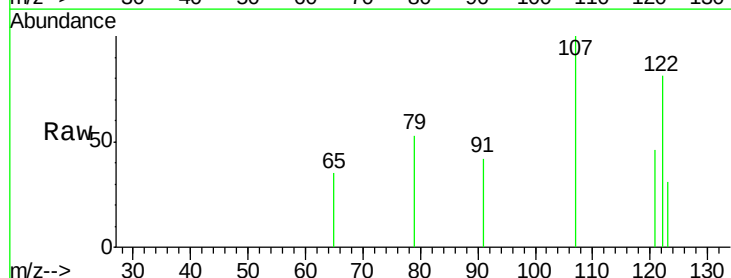
RT: 10.72 min Scan# 1265

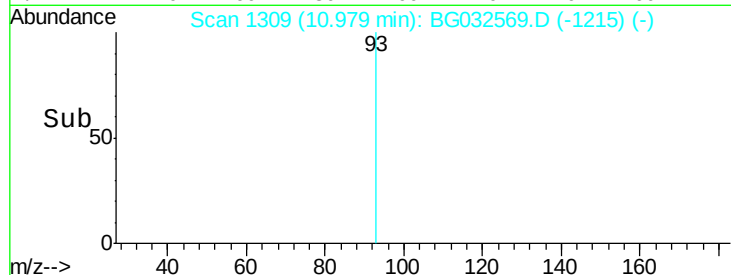
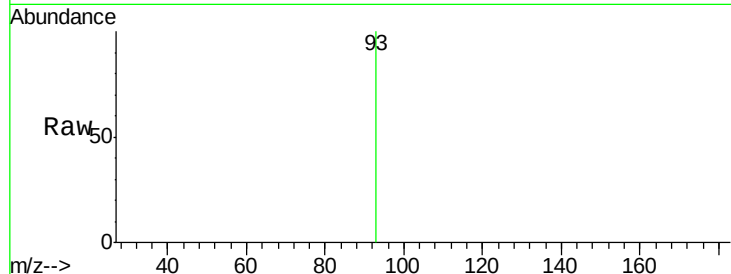
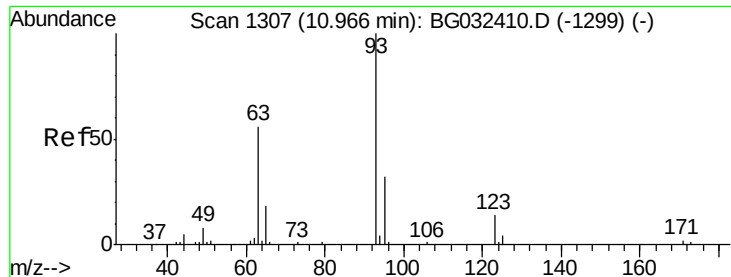
Delta R.T. 0.01 min

Lab File: BG032569.D

Acq: 6 Feb 2018 17:10

Tgt Ion:	122	Resp:	772
Ion Ratio	Lower	Upper	
122	100		
107	123.9	100.2	150.2
121	56.9	44.4	66.6





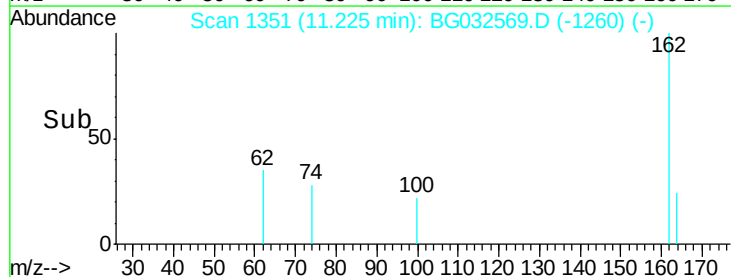
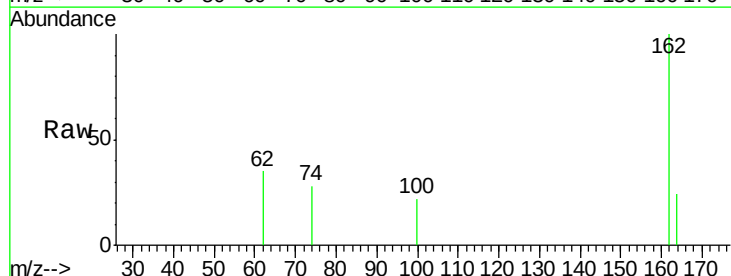
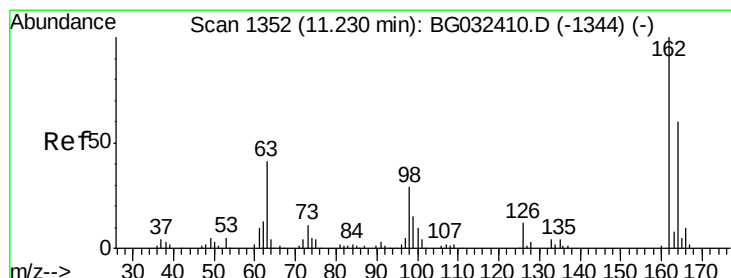
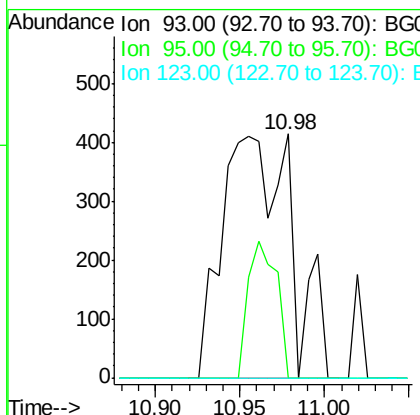
#28
bis(2-Chloroethoxy)methane
Concen: 0.935 ng
RT: 10.98 min Scan# 1309
Delta R.T. 0.02 min
Lab File: BG032569.D
Acq: 6 Feb 2018 17:10

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tot Ion	Ratio	Lower	Upper
93	100		
95	0.0	24.3	36.5#
123	0.0	8.4	12.6#

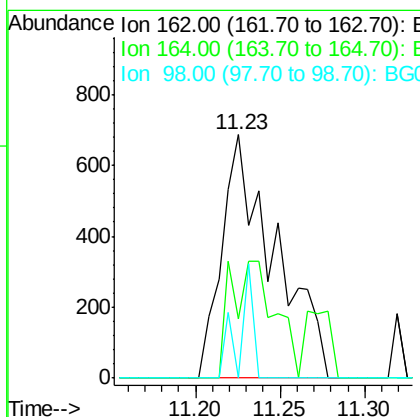
Manual Integrations
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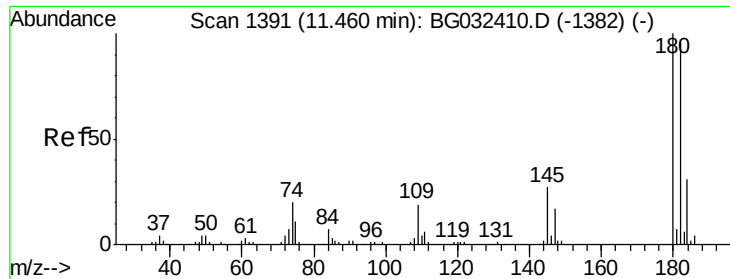
Sohil
2/7/2018 4:14:31 PM



#29
2,4-Dichlorophenol
Concen: 0.996 ng
RT: 11.23 min Scan# 1351
Delta R.T. 0.01 min
Lab File: BG032569.D
Acq: 6 Feb 2018 17:10

Tgt Ion	Ratio	Lower	Upper
162	100		
164	24.2	48.0	88.0#
98	0.0	21.1	61.1#





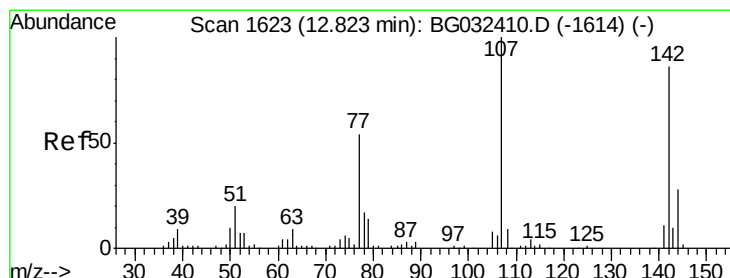
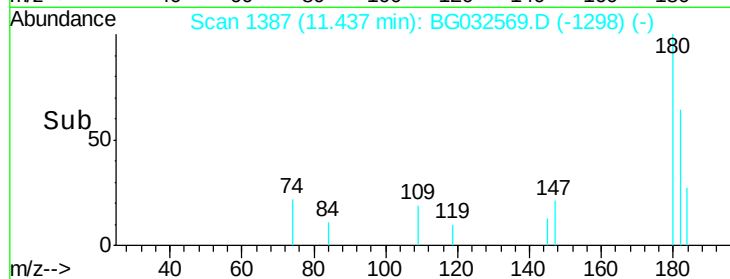
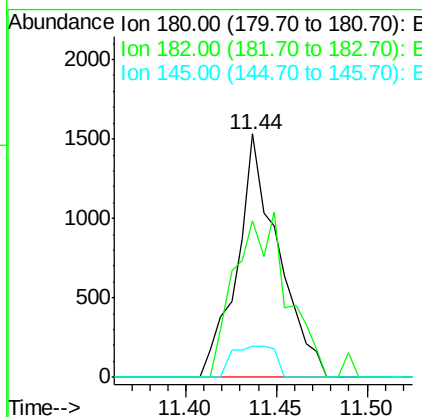
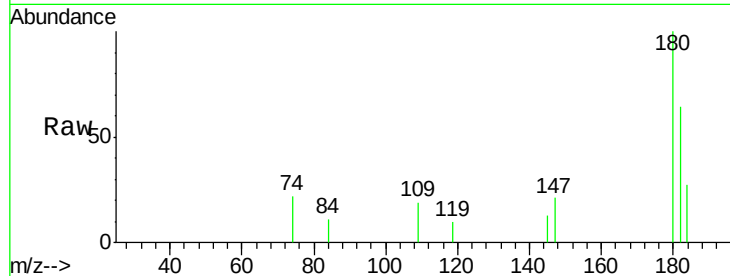
#30
 1,2,4-Trichlorobenzene
 Concen: 1.214 ng
 RT: 11.44 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: BG032569.D
 Acq: 6 Feb 2018 17:10

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2018

Tot Ion	Ratio	Lower	Upper
180	100		
182	64.4	77.5	116.3#
145	12.6	23.4	35.2#

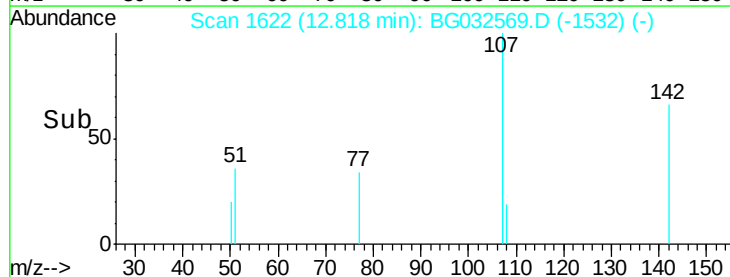
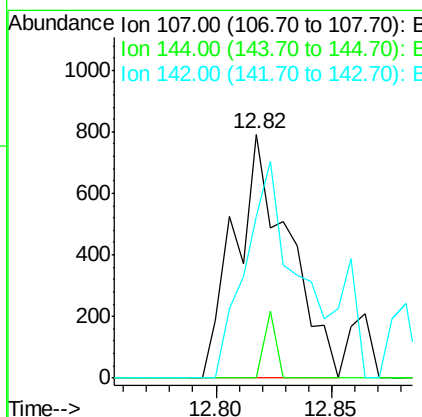
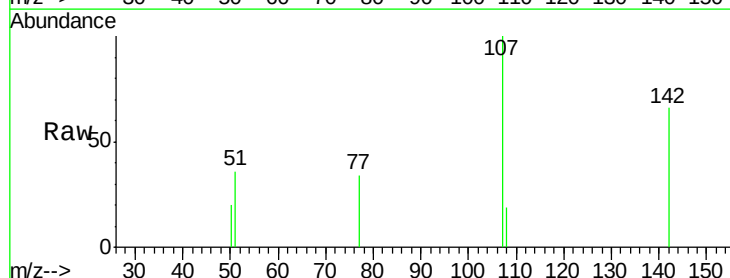
Manual Integrations
 APPROVED

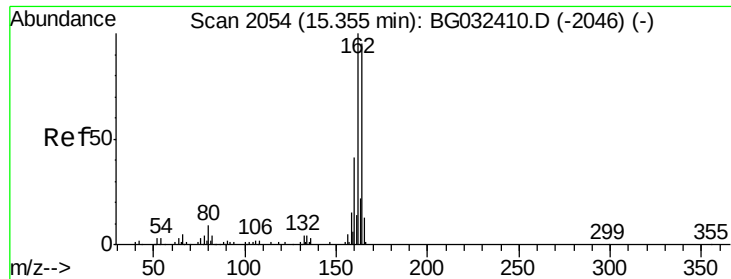
Sohil
 2/7/2018 4:14:31 PM



#36
 4-Chloro-3-methylphenol
 Concen: 0.909 ng
 RT: 12.82 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: BG032569.D
 Acq: 6 Feb 2018 17:10

Tgt Ion	Ratio	Lower	Upper
107	100		
144	0.0	18.2	27.4#
142	66.4	59.0	88.4





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.34 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BG032569.D

Acq: 6 Feb 2018 17:10

Instrument :

BNA_G

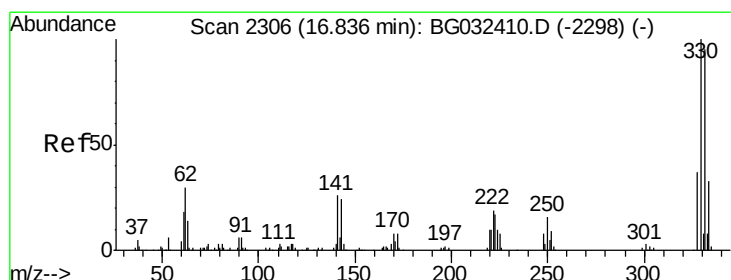
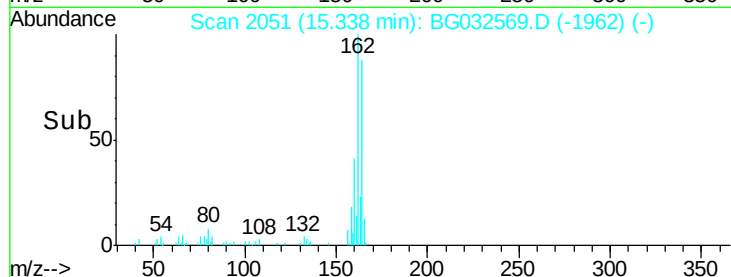
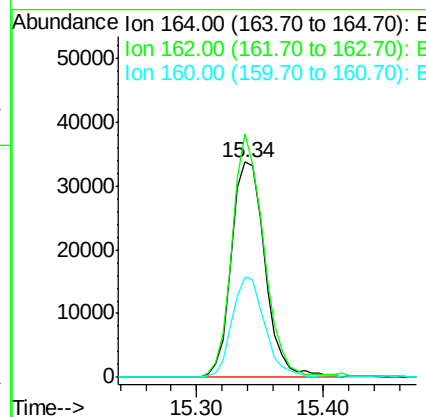
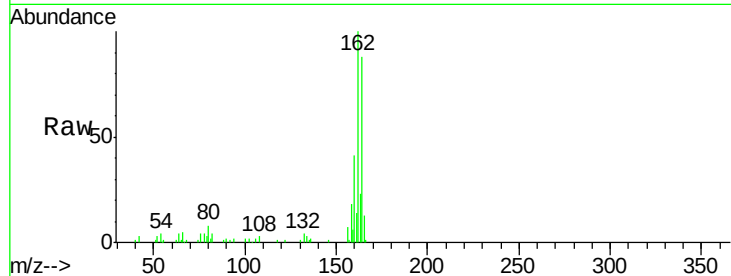
ClientSampleId :

LOD-MDL-WATER-01-QT1-2018

Tot Ion	Ratio	Lower	Upper
164	100		
162	113.1	78.8	118.2
160	46.5	35.4	53.0

Manual Integrations
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Sohil
2/7/2018 4:14:31 PM



#41

2,4,6-Tribromophenol

Concen: 126.945 ng

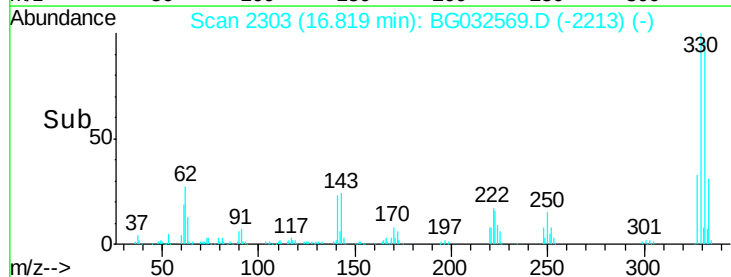
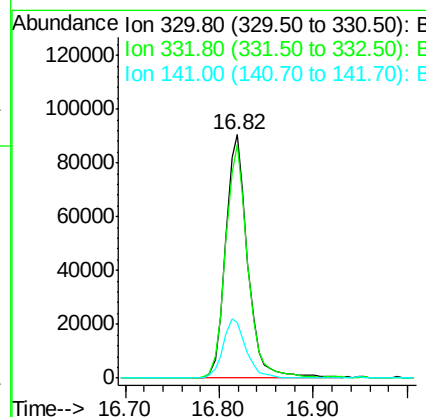
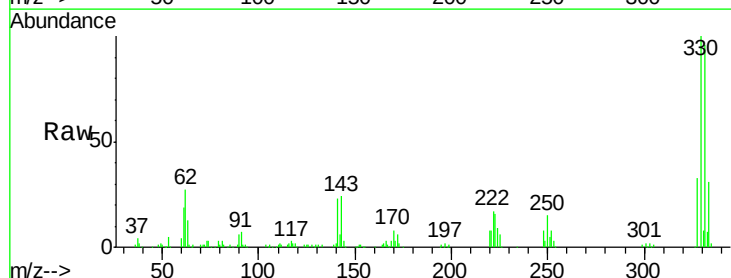
RT: 16.82 min Scan# 2303

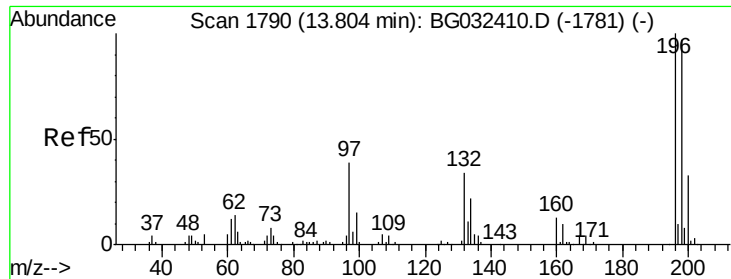
Delta R.T. 0.00 min

Lab File: BG032569.D

Acq: 6 Feb 2018 17:10

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	25.3	25.2	37.8





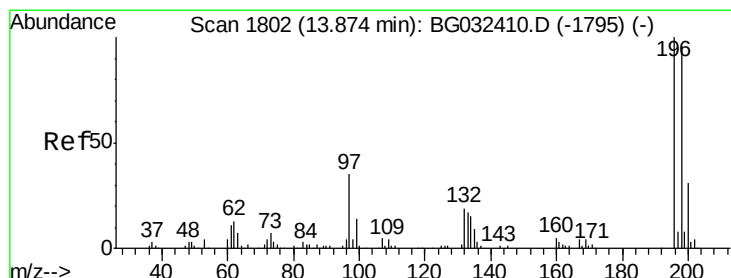
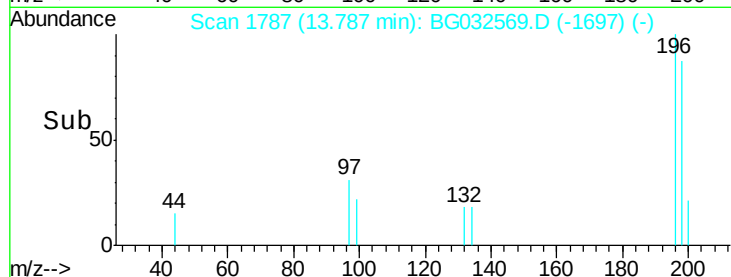
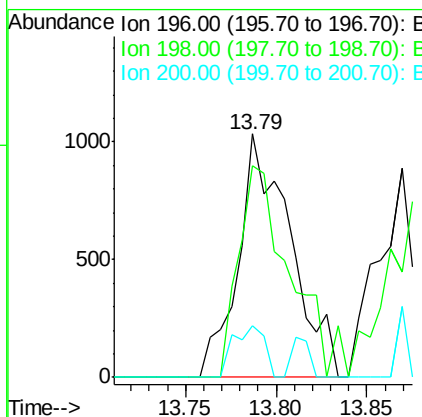
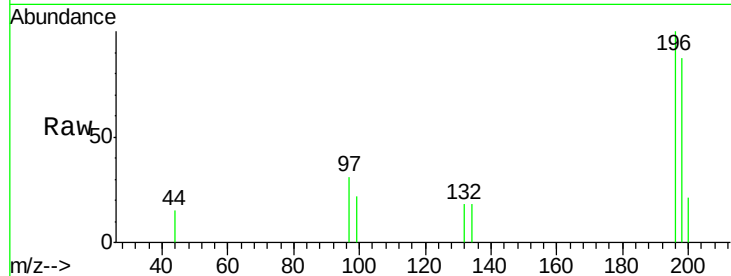
#42
 2,4,6-Trichlorophenol
 Concen: 1.315 ng
 RT: 13.79 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: BG032569.D
 Acq: 6 Feb 2018 17:10

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2018

Tot Ion	Ratio	Resp	Lower	Upper
196	100	2065		
198	86.8		78.2	117.2
200	21.4		24.6	36.8#

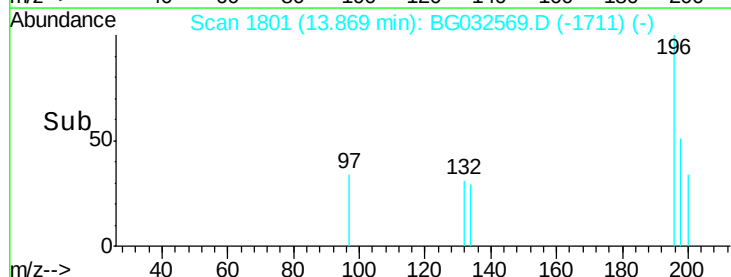
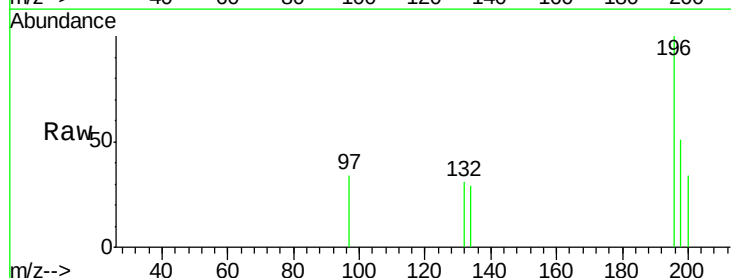
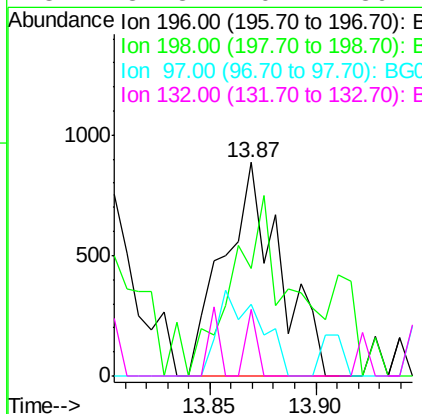
Manual Integrations
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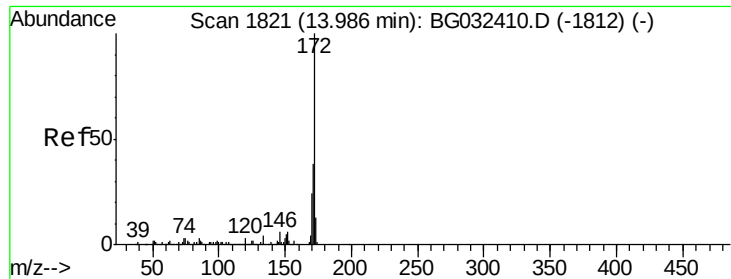
Sohil
 2/7/2018 4:14:31 PM



#43
 2,4,5-Trichlorophenol
 Concen: 0.894 ng
 RT: 13.87 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: BG032569.D
 Acq: 6 Feb 2018 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	1636		
198	50.5		76.2	114.4#
97	33.6		38.7	58.1#
132	31.3		20.2	30.2#





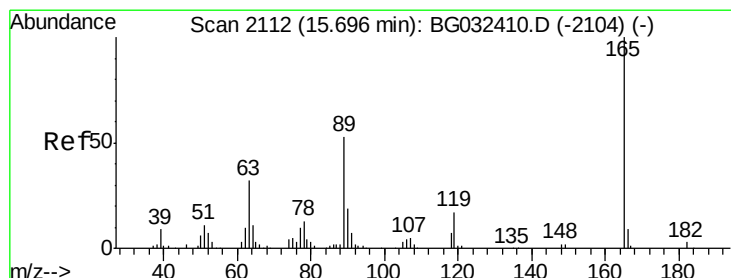
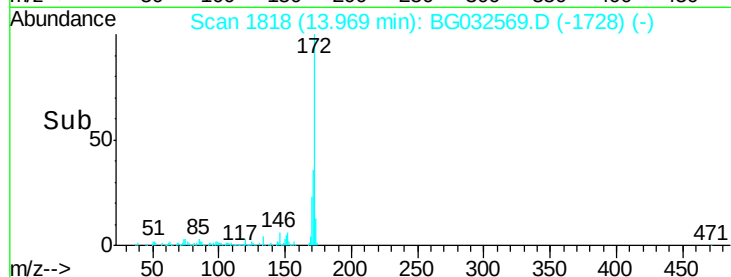
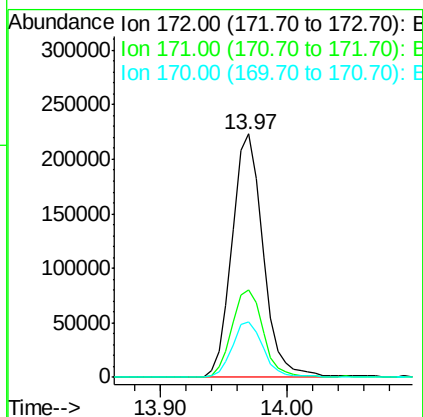
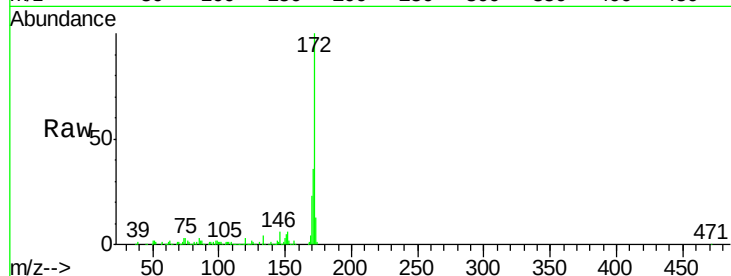
#44
2-Fluorobiphenyl
Concen: 73.173 ng
RT: 13.97 min Scan# 1818
Delta R.T. 0.00 min
Lab File: BG032569.D
Acq: 6 Feb 2018 17:10

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	30.0	45.0
170	22.7	19.5	29.3

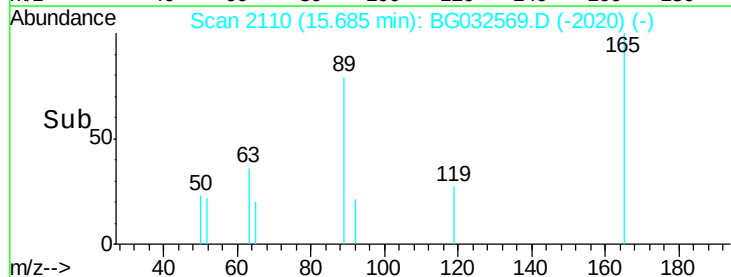
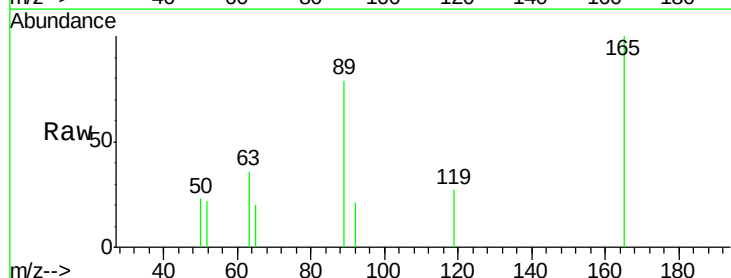
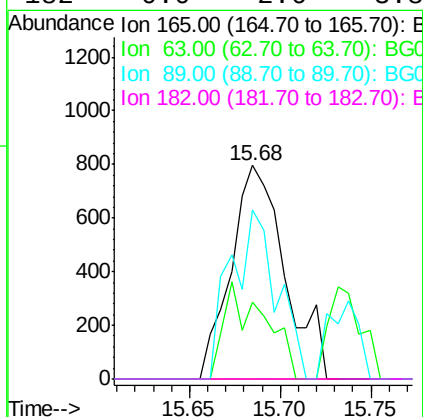
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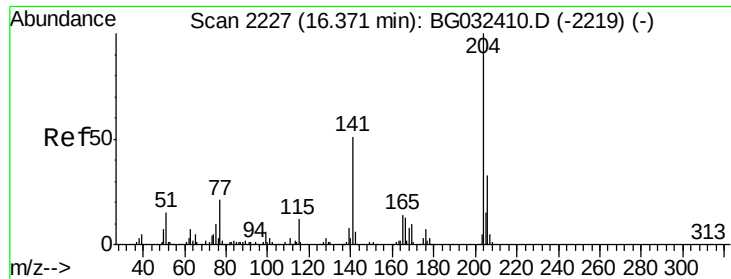
Sohil
2/7/2018 4:14:31 PM



#56
2,4-Dinitrotoluene
Concen: 0.973 ng
RT: 15.68 min Scan# 2110
Delta R.T. 0.00 min
Lab File: BG032569.D
Acq: 6 Feb 2018 17:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	36.2	42.0	63.0#
89	79.4	66.9	100.3
182	0.0	2.6	3.8#





#60

4-Chlorophenyl-phenylether

Concen: 1.346 ng

RT: 16.35 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG032569.D

Acq: 6 Feb 2018 17:10

Instrument :

BNA_G

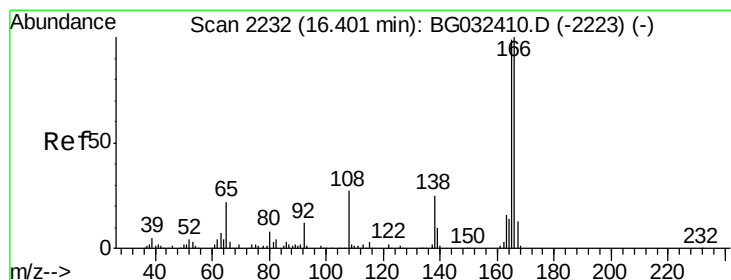
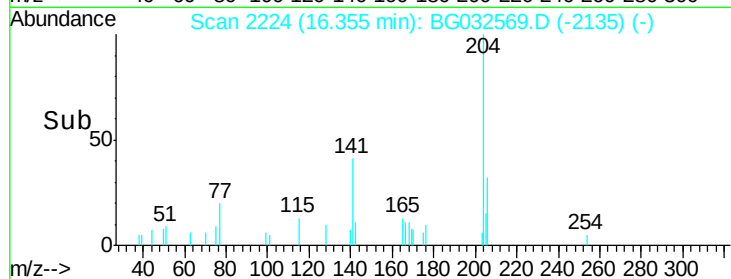
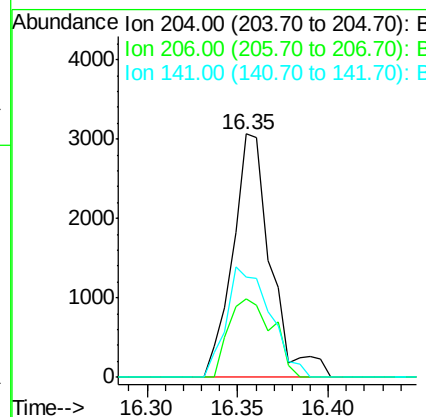
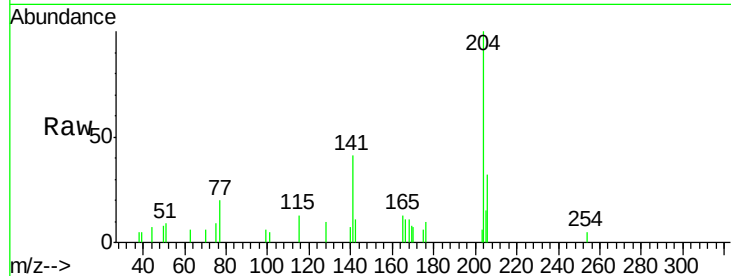
ClientSampleId :

LOD-MDL-WATER-01-QT1-2018

Tot Ion:	204	Resp:	4472
Ion Ratio	Lower	Upper	
204	100		
206	32.5	26.2	39.2
141	41.4	45.8	68.6

Manual Integrations
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2/7/2018 4:14:31 PM



#61

4-Nitroaniline

Concen: 0.485 ng

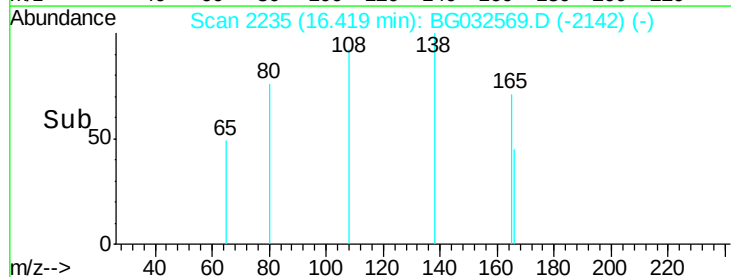
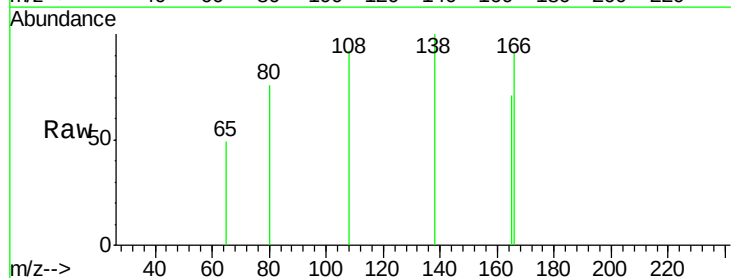
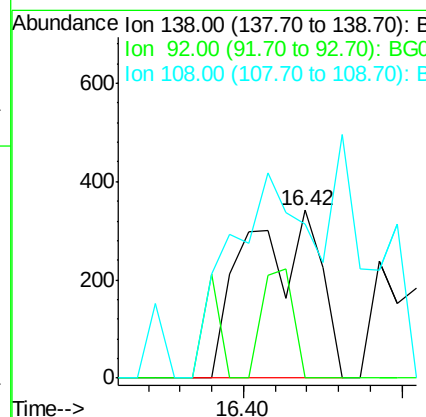
RT: 16.42 min Scan# 2235

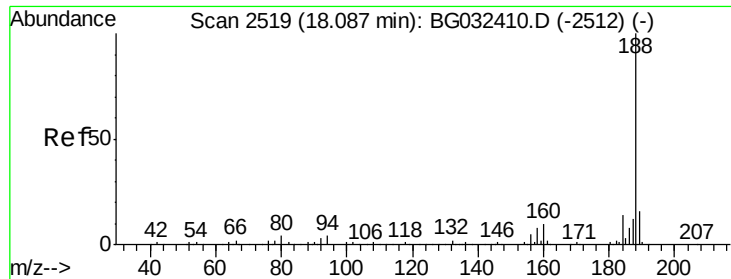
Delta R.T. 0.02 min

Lab File: BG032569.D

Acq: 6 Feb 2018 17:10

Tgt Ion:	138	Resp:	542
Ion Ratio	Lower	Upper	
138	100		
92	0.0	40.1	80.1
108	91.5	65.4	105.4





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.08 min Scan# 2517

Delta R.T. 0.00 min

Lab File: BG032569.D

Acq: 6 Feb 2018 17:10

Instrument :

BNA_G

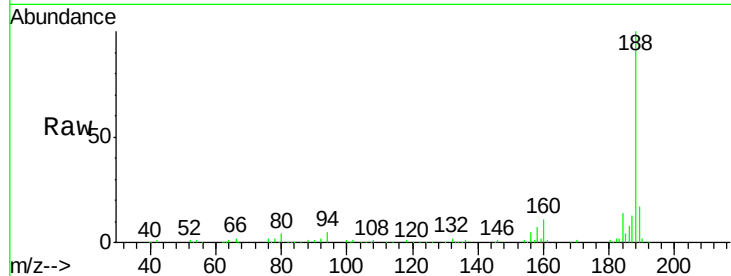
ClientSampleId :

LOD-MDL-WATER-01-QT1-2018

Tot Ion:	188	Resp:	161372
Ion Ratio	Lower	Upper	
188	100		
94	5.5	6.9	10.3#
80	3.9	7.7	11.5#

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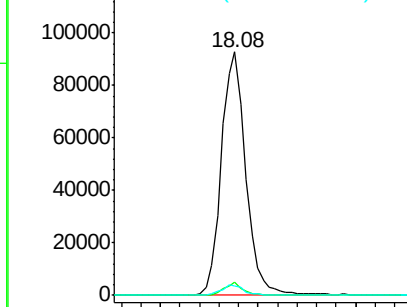
Sohil
2/7/2018 4:14:31 PM



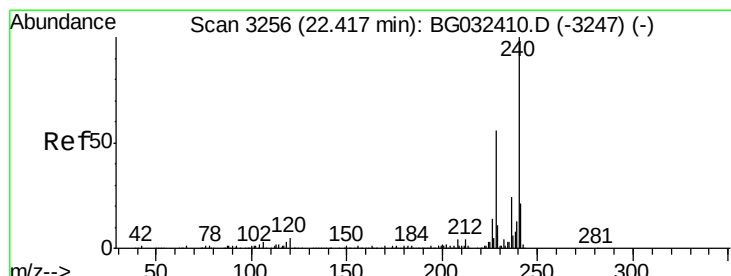
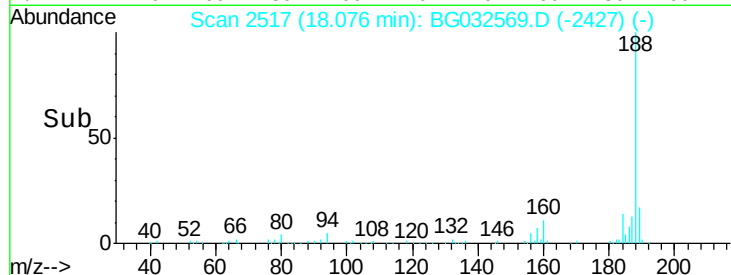
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

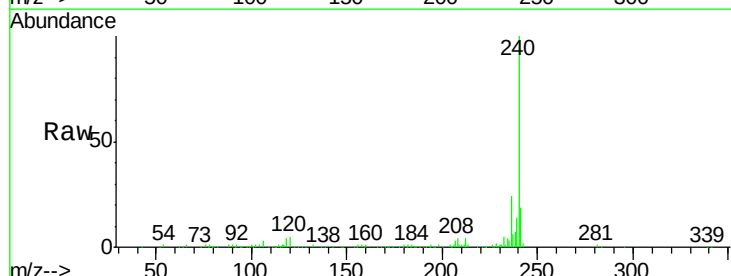
RT: 22.40 min Scan# 3253

Delta R.T. -0.01 min

Lab File: BG032569.D

Acq: 6 Feb 2018 17:10

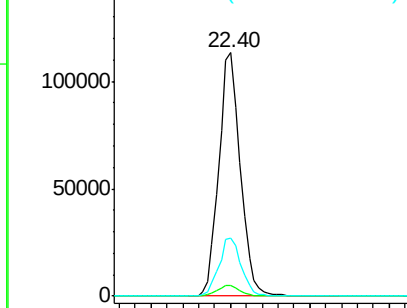
Tgt Ion:	240	Resp:	213699
Ion Ratio	Lower	Upper	
240	100		
120	4.6	6.8	10.2#
236	23.9	20.9	31.3



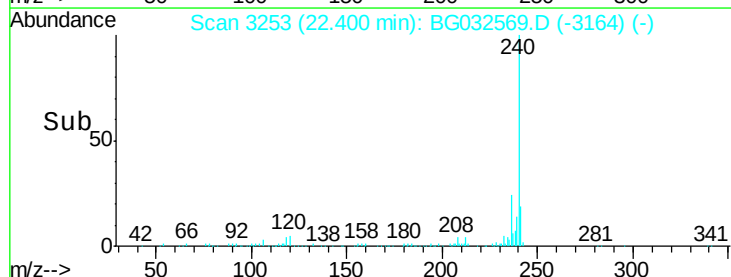
Abundance Ion 240.00 (239.70 to 240.70): E

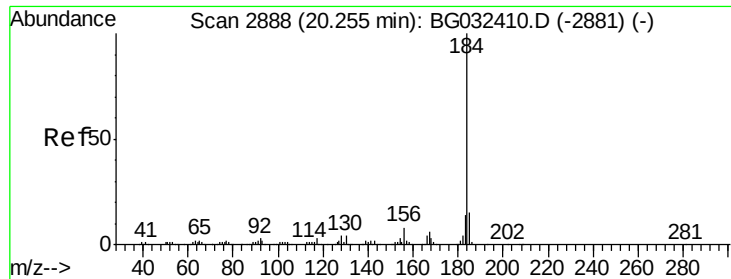
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





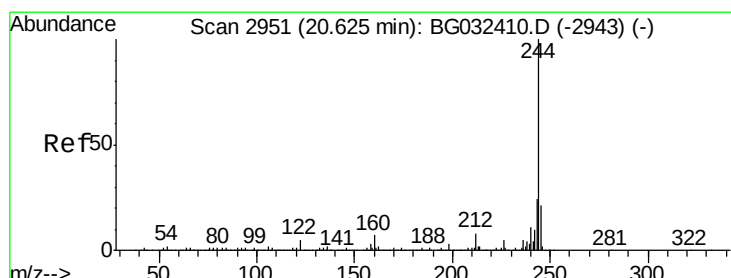
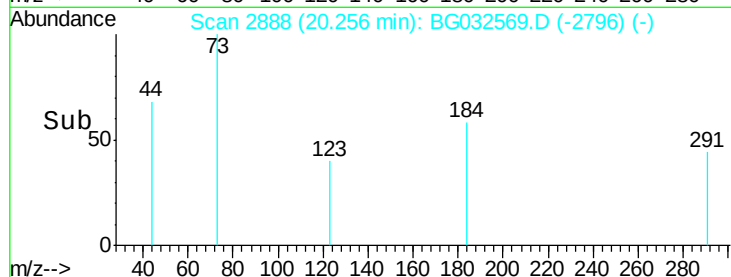
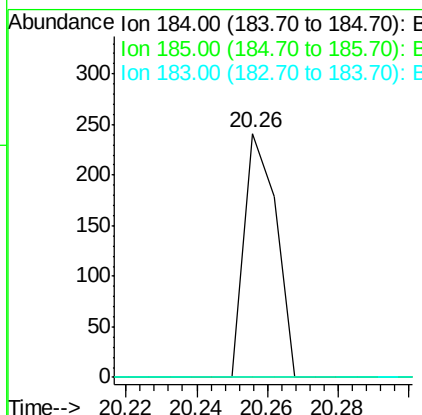
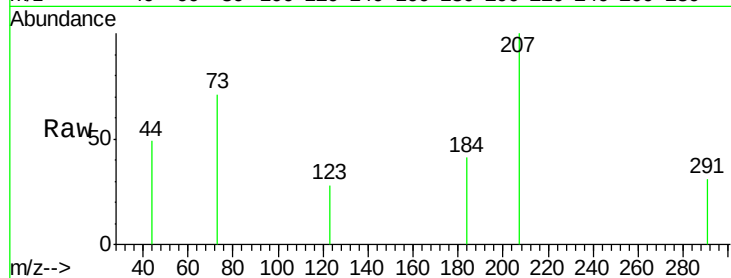
#76
Benzidine
Concen: 0.035 ng/mL
RT: 20.26 min Scan# 2888
Delta R.T. 0.01 min
Lab File: BG032569.D
Acq: 6 Feb 2018 17:10

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tot Ion	Ratio	Lower	Upper
184	100		
185	0.0	11.1	16.7#
183	0.0	10.6	16.0#

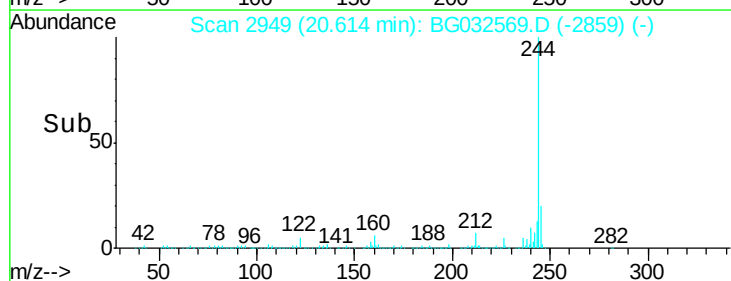
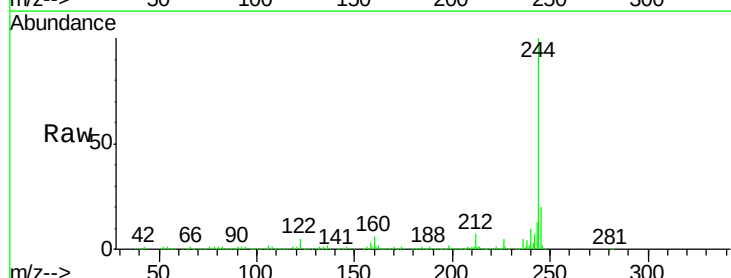
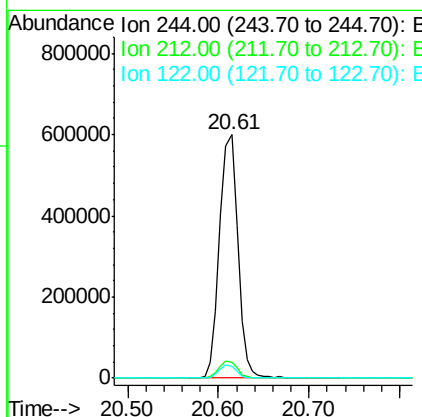
Manual Integrations
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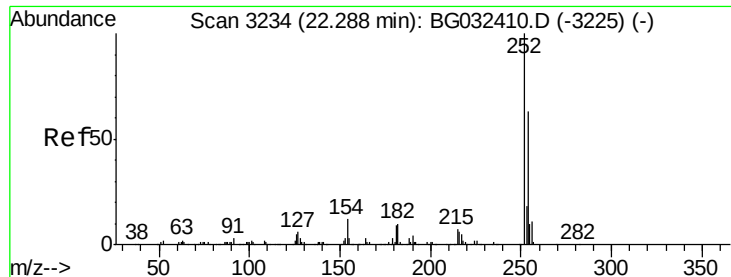
Sohil
2/7/2018 4:14:31 PM



#78
Terphenyl-d14
Concen: 84.768 ng/mL
RT: 20.61 min Scan# 2949
Delta R.T. 0.00 min
Lab File: BG032569.D
Acq: 6 Feb 2018 17:10

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	5.2	7.0	10.4#





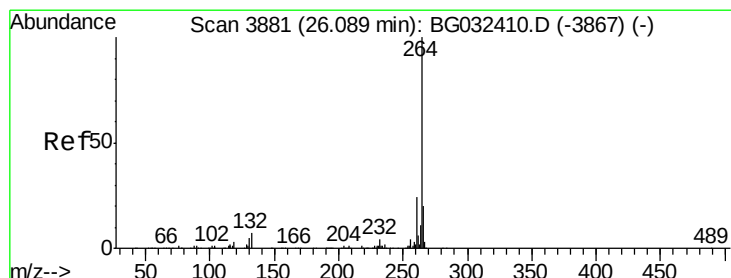
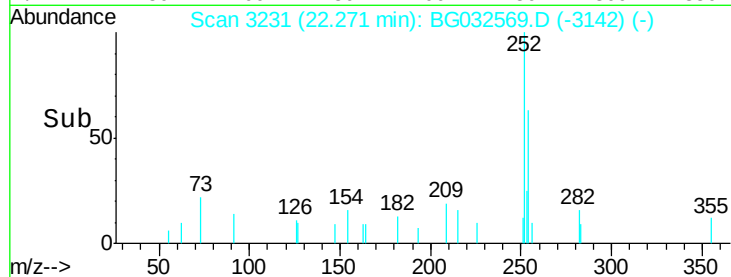
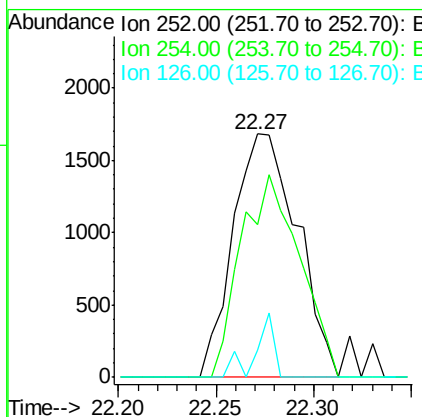
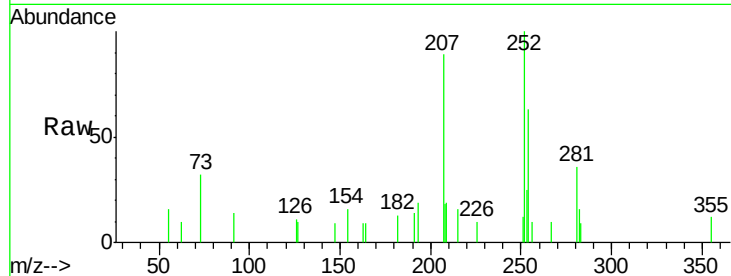
#81
 3,3'-Dichlorobenzidine
 Concen: 0.746 ng
 RT: 22.27 min Scan# 3231
 Delta R.T. -0.01 min
 Lab File: BG032569.D
 Acq: 6 Feb 2018 17:10

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2018

Tot Ion	Ratio	Lower	Upper
252	100		
254	62.7	50.8	76.2
126	11.2	7.4	11.2#

Manual Integrations
 APPROVED

Sohil
 2/7/2018 4:14:31 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.07 min Scan# 3877
 Delta R.T. 0.00 min
 Lab File: BG032569.D
 Acq: 6 Feb 2018 17:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.4	26.0
265	21.5	17.7	26.5

