

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101818\
 Data File : BG037443.D
 Acq On : 19 Oct 2018 7:06
 Operator : JU/SJ
 Sample : J5164-09
 Misc : MDL 8 PPM
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Manual Integrations
 APPROVED

Sohil
 10/19/2018 3:57:55 PM

Quant Time: Oct 19 09:16:24 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	49693	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	231814	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	155718	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	380969	20.00	ng	0.00
76) Chrysene-d12	21.77	240	356610	20.00	ng	0.00
87) Perylene-d12	25.10	264	358211	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	433727	145.92	ng	0.00
7) Phenol-d6	7.25	99	637279	141.79	ng	0.00
23) Nitrobenzene-d5	9.28	82	347350	83.94	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	241924	142.44	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	849570	82.27	ng	0.00
79) Terphenyl-d14	20.09	244	1313846	78.72	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	3.53	88	11050	7.331 ng	98
3) Pyridine	3.94	79	29659	7.807 ng	89
4) n-Nitrosodimethylamine	3.86	42	12271	9.068 ng	95
6) Aniline	7.43	93	33432	6.097 ng	94
8) 2-Chlorophenol	7.66	128	29047	8.354 ng	98
9) Benzaldehyde	7.25	77	22967	8.169 ng	99
10) Phenol	7.27	94	38988	8.221 ng	98
11) bis(2-Chloroethyl)ether	7.53	93	28732	7.977 ng	89
12) 1,3-Dichlorobenzene	8.00	146	30252	7.815 ng	98
13) 1,4-Dichlorobenzene	8.14	146	31247	7.891 ng	99
14) 1,2-Dichlorobenzene	8.46	146	29622	7.777 ng	96
15) Benzyl Alcohol	8.34	79	25794	7.767 ng	99
16) 2,2'-oxybis(1-Chloropropan	8.63	45	52903	8.209 ng	98
17) 2-Methylphenol	8.54	107	25998	8.292 ng	93
18) Hexachloroethane	9.20	117	10791	7.994 ng	97
19) n-Nitroso-di-n-propylamine	8.91	70	22728	7.343 ng	97
20) 3+4-Methylphenols	8.86	107	36670	8.181 ng	92
22) Acetophenone	8.94	105	46307	7.965 ng	# 94
24) Nitrobenzene	9.32	77	35215	8.192 ng	92
25) Isophorone	9.84	82	65235	8.628 ng	96
26) 2-Nitrophenol	10.04	139	13406	6.922 ng	97
27) 2,4-Dimethylphenol	10.08	122	30337	8.774 ng	98
28) bis(2-Chloroethoxy)methane	10.32	93	40188	8.112 ng	96
29) 2,4-Dichlorophenol	10.56	162	29901	7.767 ng	94
30) 1,2,4-Trichlorobenzene	10.79	180	32535	7.771 ng	96
31) Naphthalene	10.98	128	98118	8.617 ng	99
32) Benzoic acid	10.14	122	9485	4.223 ng	# 82
33) 4-Chloroaniline	11.09	127	31475	5.883 ng	95
34) Hexachlorobutadiene	11.25	225	18822	7.585 ng	100
35) Caprolactam	11.85	113	10707	6.934 ng	94
36) 4-Chloro-3-methylphenol	12.19	107	32739	7.540 ng	90
37) 2-Methylnaphthalene	12.57	142	73939	8.908 ng	96
38) 1-Methylnaphthalene	12.79	142	70342m	8.727 ng	
40) 1,2,4,5-Tetrachlorobenzene	12.93	216	38401	7.645 ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.90	237	19023	7.929	nq	92
43) 2,4,6-Trichlorophenol	13.17	196	24779	7.384	nq	96
44) 2,4,5-Trichlorophenol	13.24	196	28491	7.798	nq	97
46) 1,1'-Biphenyl	13.57	154	95951	7.440	nq	98
47) 2-Chloronaphthalene	13.62	162	77437	7.937	nq	99
48) 2-Nitroaniline	13.83	65	21555	7.285	nq	96
49) Acenaphthylene	14.47	152	129263	8.808	nq	99
50) Dimethylphthalate	14.18	163	100696	8.359	nq	98
51) 2,6-Dinitrotoluene	14.31	165	20759	7.790	nq	96
52) Acenaphthene	14.81	154	75219	8.322	nq	96
53) 3-Nitroaniline	14.65	138	19470	6.581	nq	93
54) 2,4-Dinitrophenol	14.85	184	1747	8.908	nq	# 78
55) Dibenzofuran	15.14	168	128501	8.581	nq	98
56) 4-Nitrophenol	14.93	139	13353	6.098	nq	96
57) 2,4-Dinitrotoluene	15.09	165	26258	7.506	nq	95
58) Fluorene	15.79	166	102299	9.122	nq	94
59) 2,3,4,6-Tetrachlorophenol	15.35	232	25183	8.051	nq	# 100
60) Diethylphthalate	15.54	149	103165	8.341	nq	99
61) 4-Chlorophenyl-phenylether	15.77	204	53106	8.124	nq	94
62) 4-Nitroaniline	15.81	138	22323	7.594	nq	93
63) Azobenzene	16.06	77	100398	8.508	nq	97
65) 4,6-Dinitro-2-methylphenol	15.85	198	6960	11.372	nq	88
66) n-Nitrosodiphenylamine	15.99	169	89923	7.847	nq	98
67) 4-Bromophenyl-phenylether	16.67	248	31496	7.528	nq	96
68) Hexachlorobenzene	16.78	284	32622	7.524	nq	97
69) Atrazine	16.93	200	33133	7.997	nq	99
70) Pentachlorophenol	17.12	266	11610	3.997	nq	# 89
71) Phenanthrene	17.53	178	173877	8.980	nq	97
72) Anthracene	17.61	178	176003	9.263	nq	99
73) Carbazole	17.89	167	153562	8.079	nq	97
74) Di-n-butylphthalate	18.43	149	171989	8.134	nq	98
75) Fluoranthene	19.53	202	195773	8.915	nq	100
77) Benzidine	19.71	184	28785	2.374	nq	98
78) Pyrene	19.89	202	201913	8.661	nq	98
80) Butylbenzylphthalate	20.77	149	70389	7.378	nq	92
81) Benzo(a)anthracene	21.75	228	185152	8.778	nq	97
82) 3,3'-Dichlorobenzidine	21.66	252	45117	5.518	nq	94
83) Chrysene	21.82	228	175558	8.656	nq	96
84) Bis(2-ethylhexyl)phthalate	21.63	149	101060	7.557	nq	99
85) Di-n-octyl phthalate	22.88	149	165511	7.590	nq	98
86) Indeno(1,2,3-cd)pyrene	28.91	276	155250	7.137	nq	# 89
88) Benzo(b)fluoranthene	24.03	252	167824	8.546	nq	99
89) Benzo(k)fluoranthene	24.10	252	173137m	8.999	nq	
90) Benzo(a)pyrene	24.94	252	159814	8.564	nq	100
91) Dibenzo(a,h)anthracene	29.00	278	128060	7.440	nq	# 95
92) Benzo(g,h,i)perylene	30.12	276	134882	7.745	nq	94

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

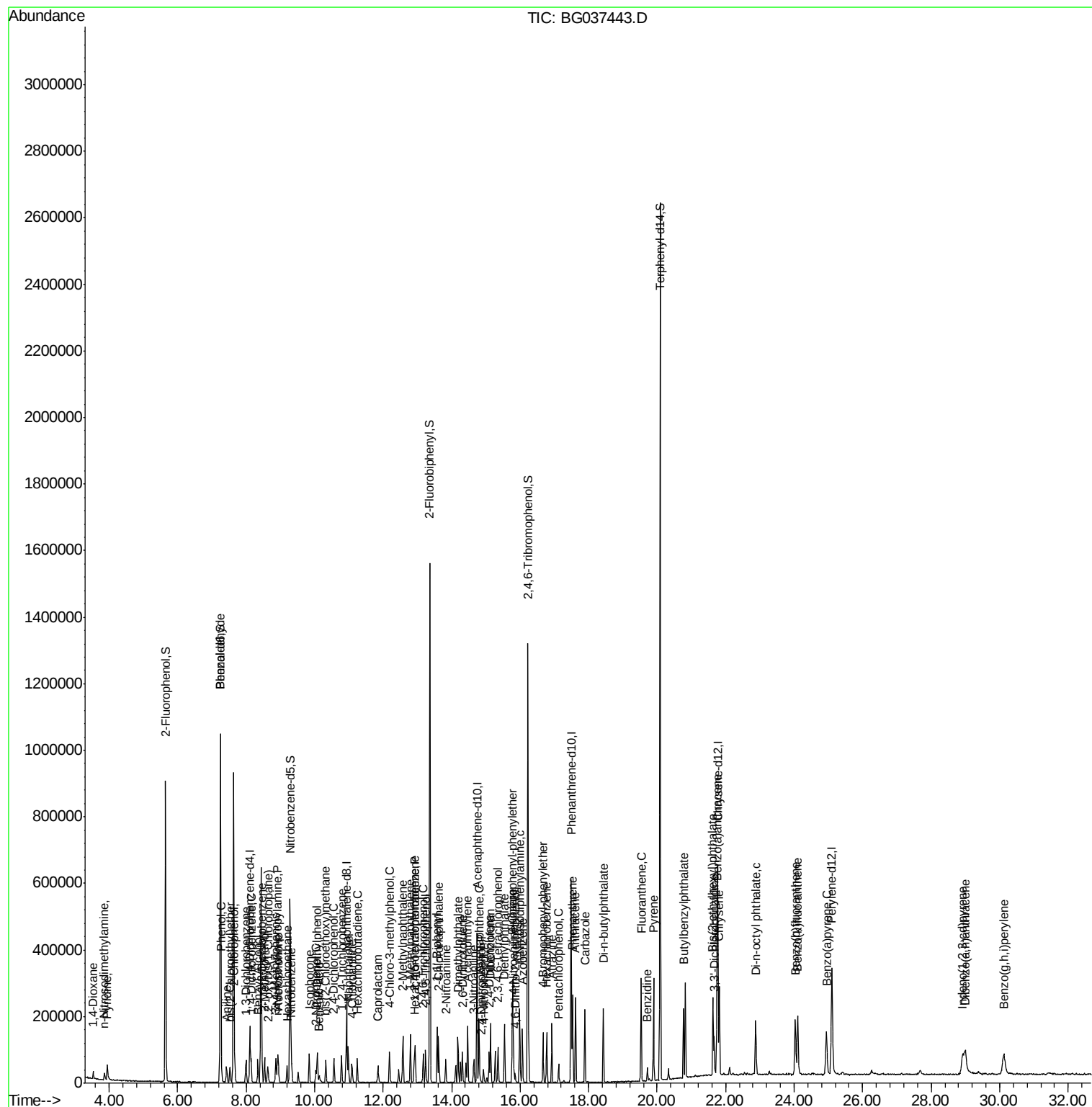
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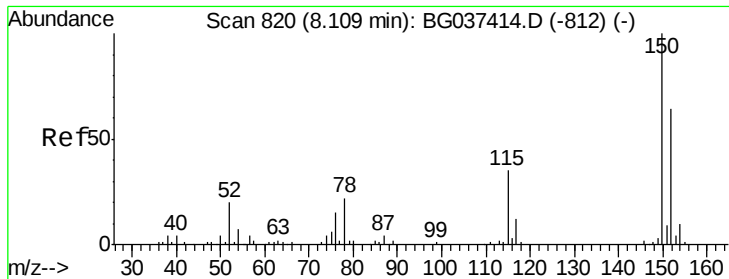
Instrument :
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#1

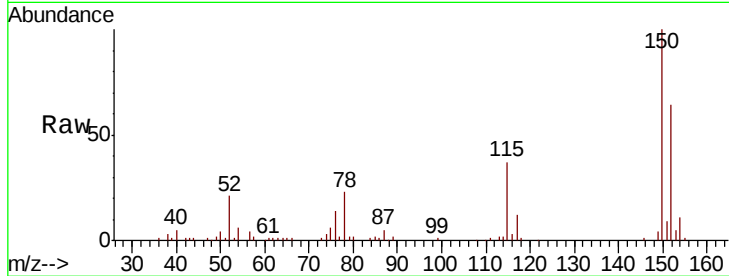
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	126.0	189.0
115	57.4	45.5	68.3

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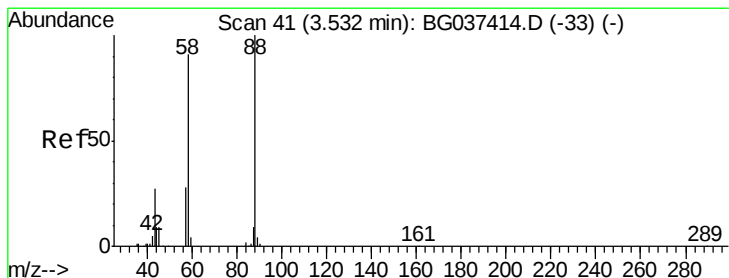
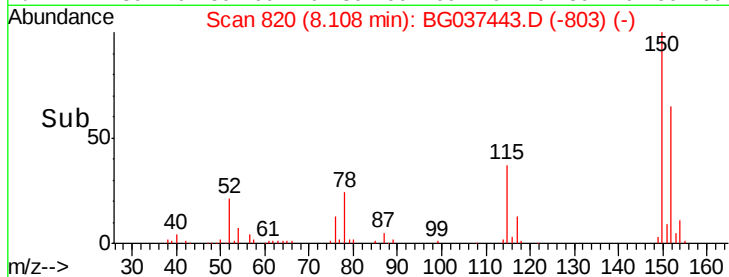
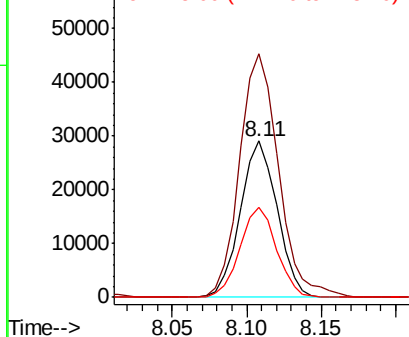


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 7.331 ng
RT: 3.53 min Scan# 41
Delta R.T. -0.00 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

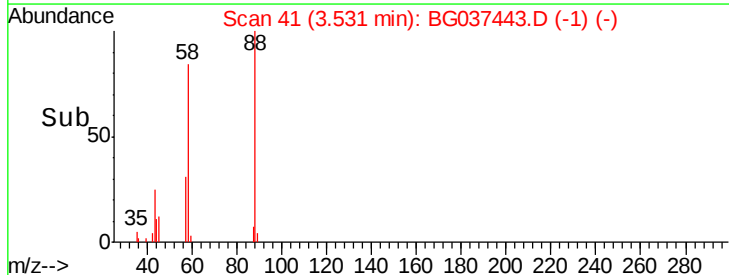
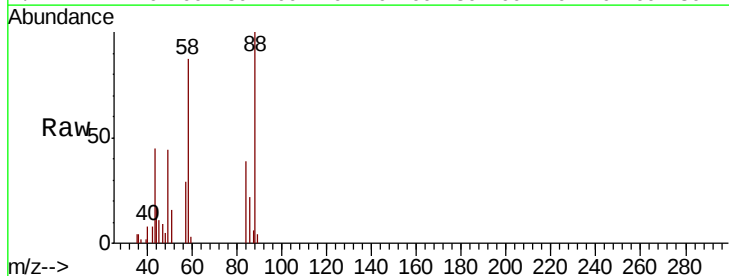
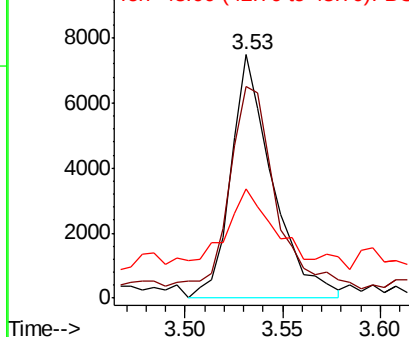
Tgt Ion	Ratio	Lower	Upper
88	100		
58	90.5	74.4	111.6
43	33.3	25.8	38.8

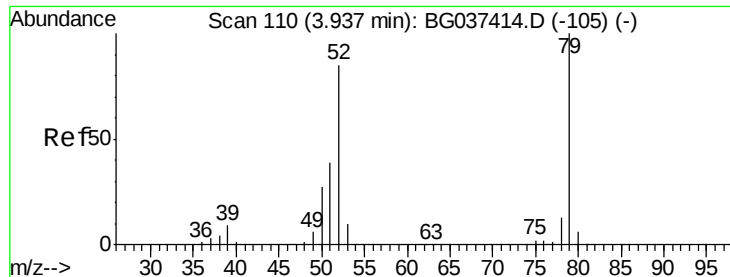
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 7.807 ng

RT: 3.94 min Scan# 111

Delta R.T. 0.01 min

Lab File: BG037443.D

Acq: 19 Oct 2018 7:06

Instrument :

BNA_G

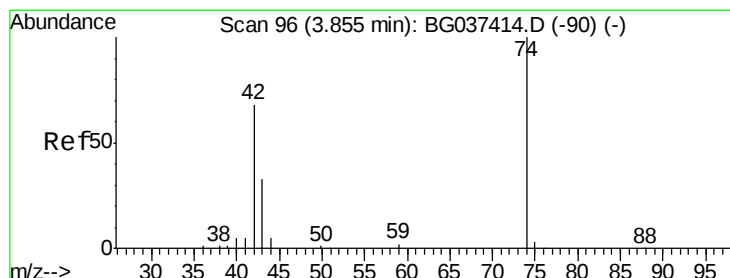
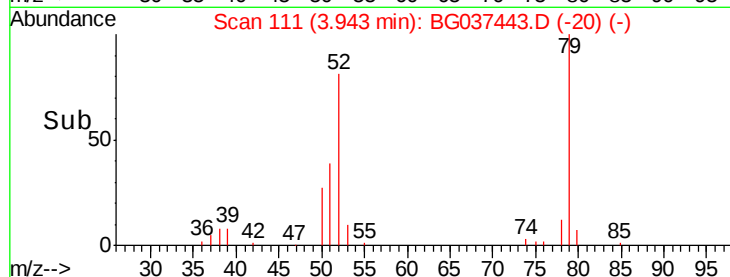
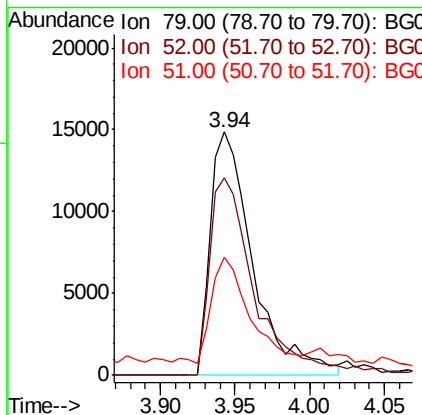
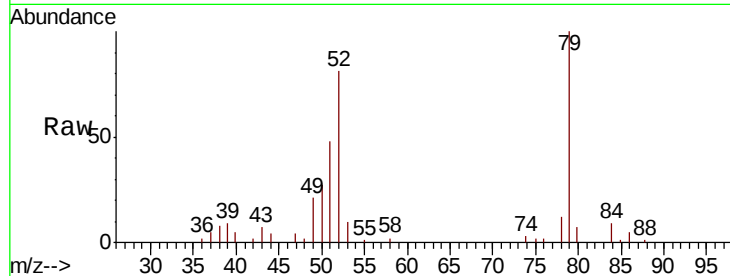
ClientSampleId :

MDL-WATER-03-QT4-2018

Tot Ion:	79	Resp:	29659
Ion	Ratio	Lower	Upper
79	100		
52	81.3	74.2	111.2
51	48.4	34.6	51.8

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#4

n-Nitrosodimethylamine

Concen: 9.068 ng

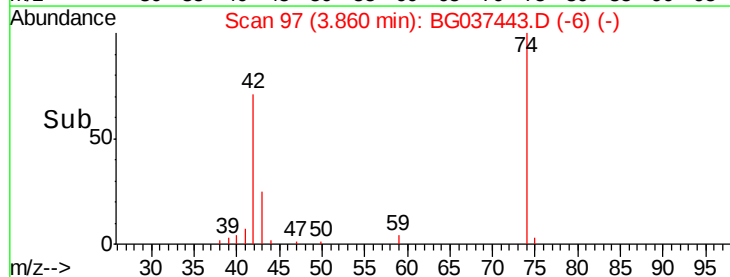
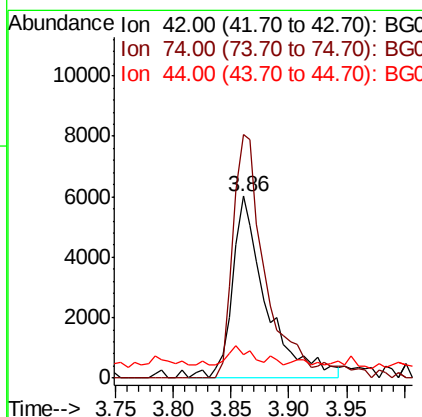
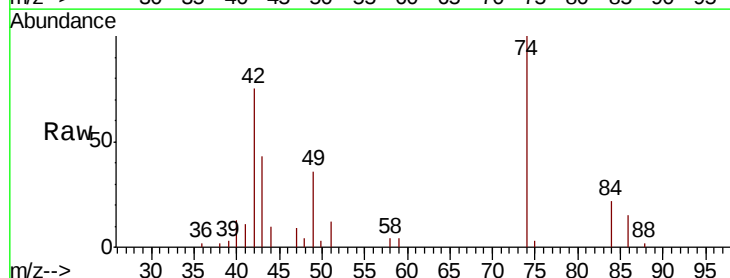
RT: 3.86 min Scan# 97

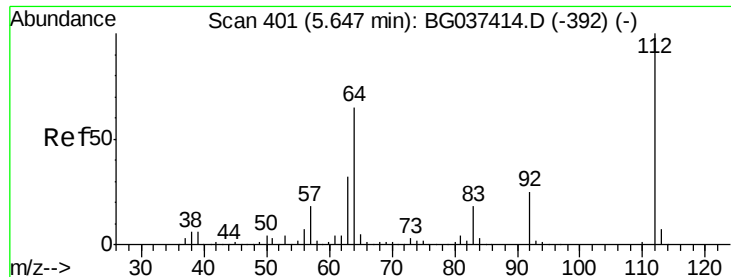
Delta R.T. 0.01 min

Lab File: BG037443.D

Acq: 19 Oct 2018 7:06

Tgt Ion:	42	Resp:	12271
Ion	Ratio	Lower	Upper
42	100		
74	134.0	102.0	153.0
44	12.8	9.6	14.4





#5

2-Fluorophenol

Concen: 145.922 ng

RT: 5.65 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG037443.D

Acq: 19 Oct 2018 7:06

Instrument :

BNA_G

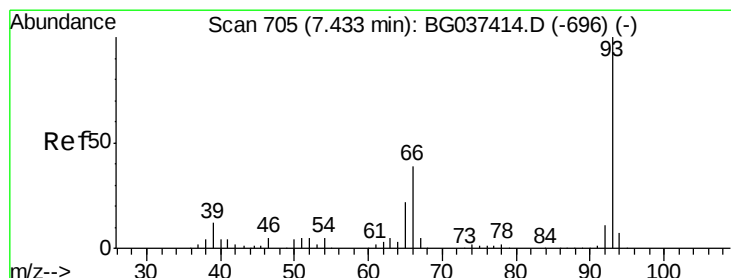
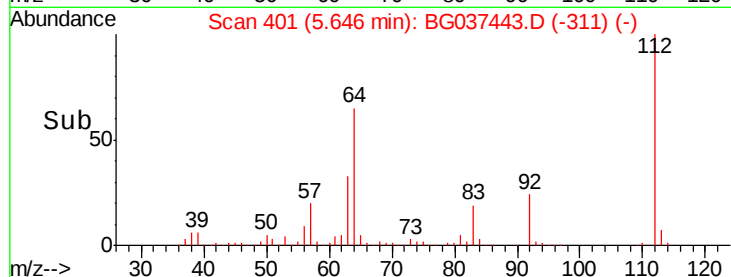
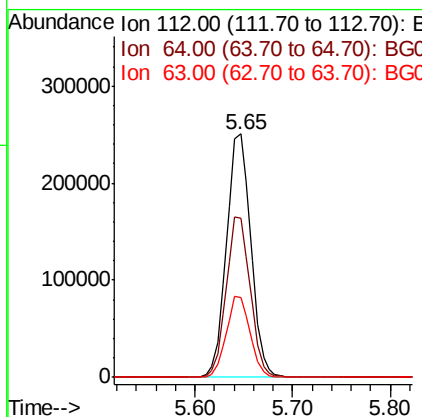
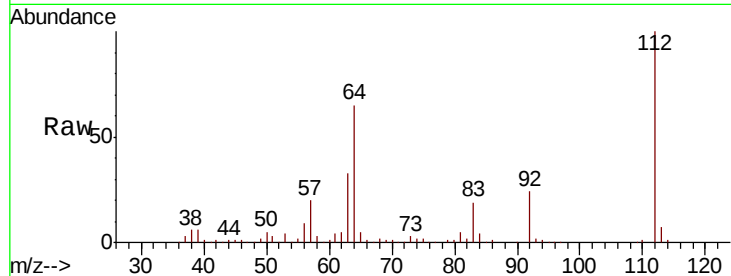
ClientSampleId :

MDL-WATER-03-QT4-2018

Tot Ion:	112	Resp:	433727
Ion Ratio	Lower	Upper	
112	100		
64	65.4	53.1	79.7
63	32.9	27.3	40.9

Manual Integrations
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#6

Aniline

Concen: 6.097 ng

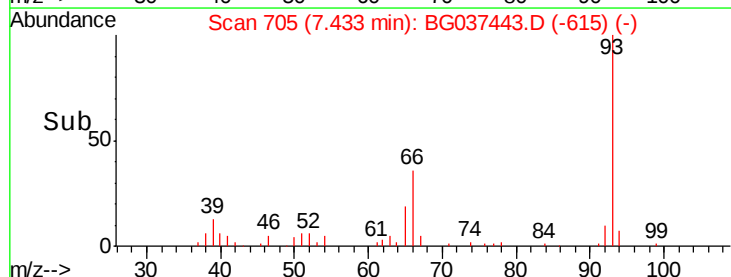
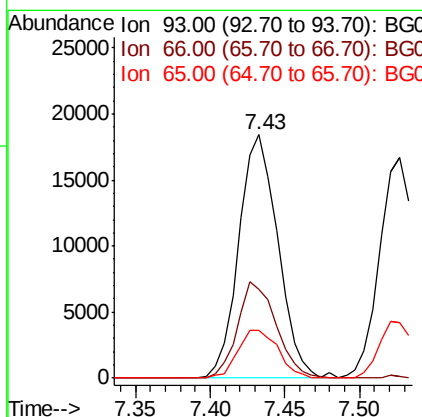
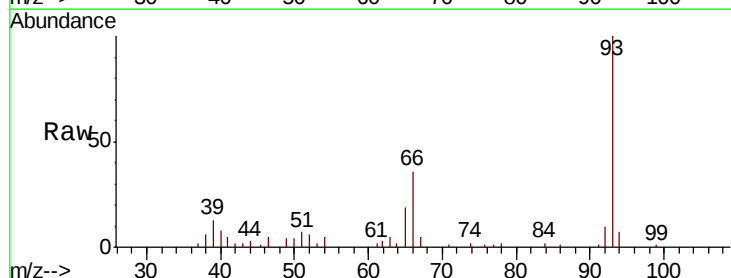
RT: 7.43 min Scan# 705

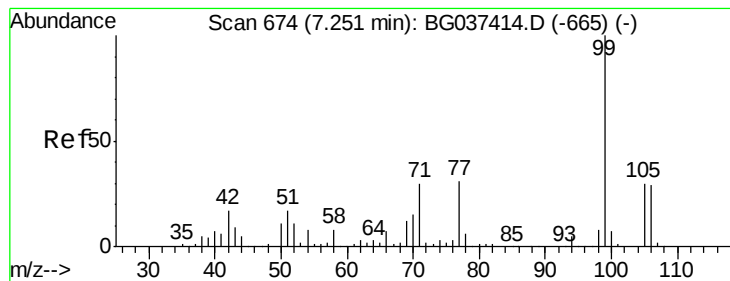
Delta R.T. -0.00 min

Lab File: BG037443.D

Acq: 19 Oct 2018 7:06

Tgt Ion:	93	Resp:	33432
Ion Ratio	Lower	Upper	
93	100		
66	36.5	32.8	49.2
65	19.5	16.4	24.6





#7

Phenol-d6

Concen: 141.790 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037443.D

Acq: 19 Oct 2018 7:06

Instrument :

BNA_G

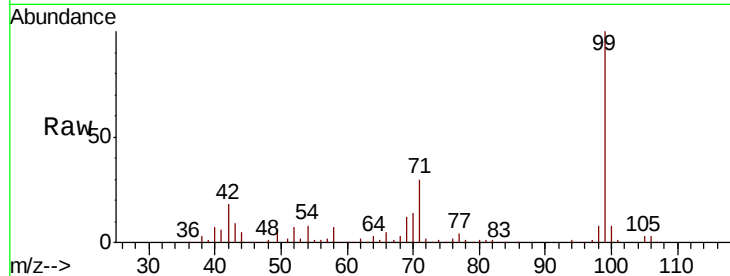
ClientSampleId :

MDL-WATER-03-QT4-2018

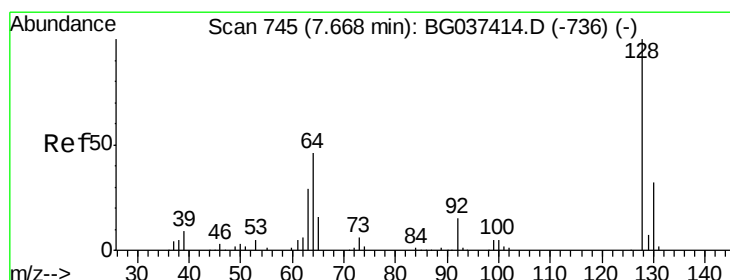
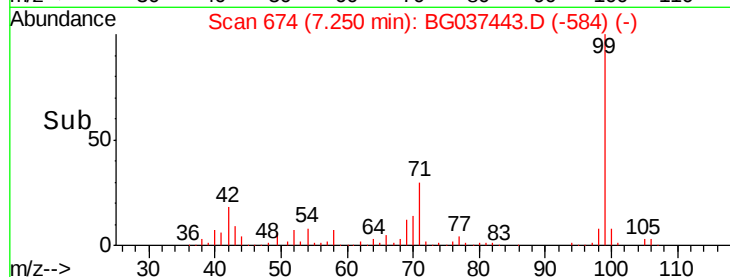
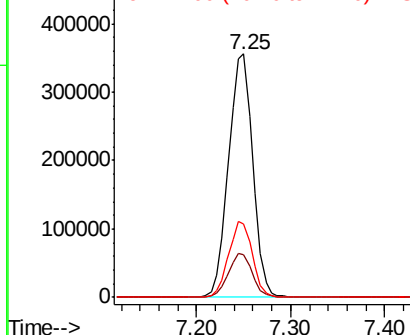
Tot Ion:	99	Resp:	637279
Ion Ratio	Lower	Upper	
99	100		
42	17.6	15.0	22.4
71	30.0	25.5	38.3

Manual Integrations
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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



#8

2-Chlorophenol

Concen: 8.354 ng

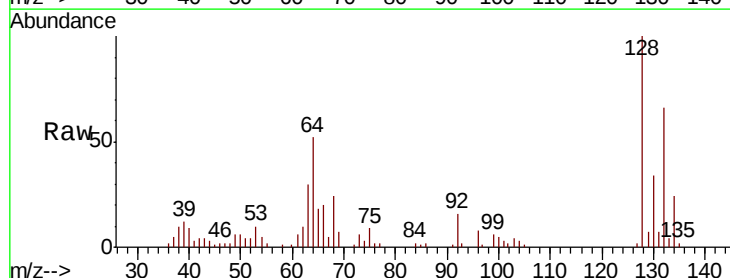
RT: 7.66 min Scan# 744

Delta R.T. -0.01 min

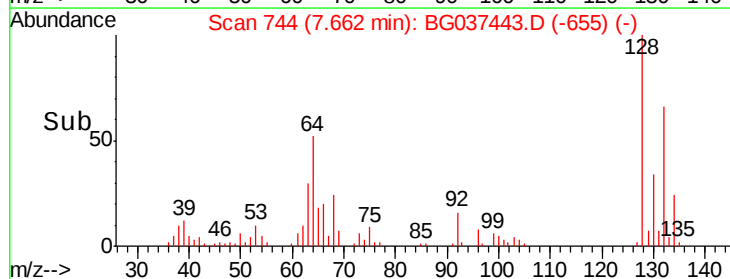
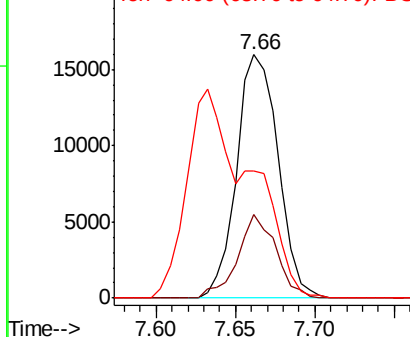
Lab File: BG037443.D

Acq: 19 Oct 2018 7:06

Tgt Ion:	128	Resp:	29047
Ion Ratio	Lower	Upper	
128	100		
130	34.4	12.0	52.0
64	52.3	32.9	72.9



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BGC





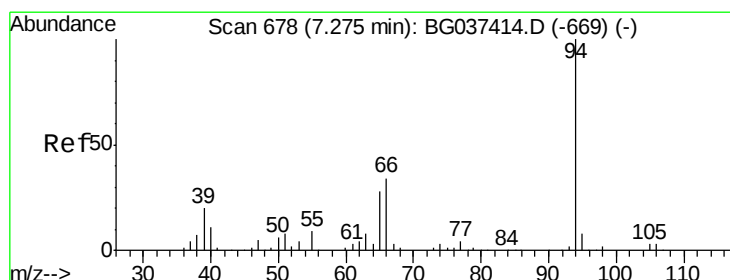
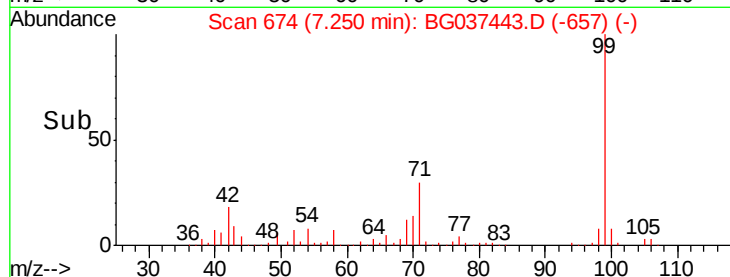
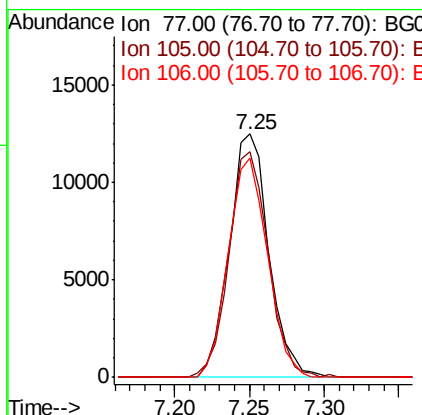
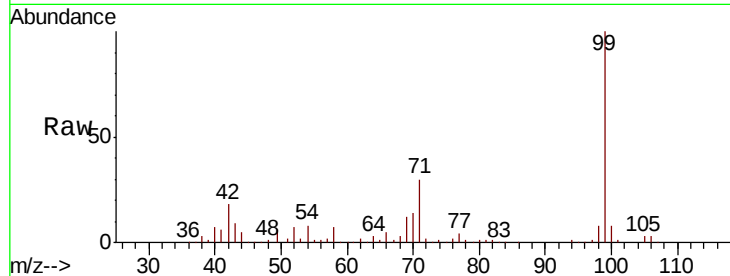
#9
Benzaldehyde
Concen: 8.169 ng
RT: 7.25 min Scan# 674
Delta R.T. -0.00 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
77	100		
105	92.7	72.6	112.6
106	89.9	71.3	111.3

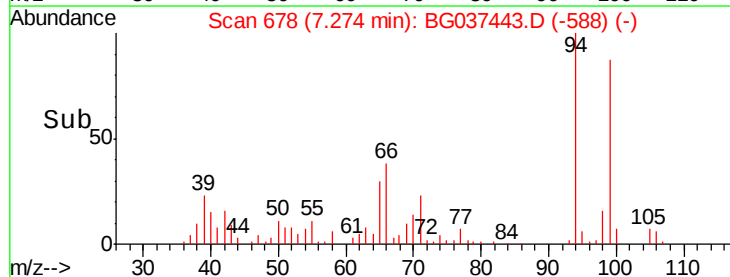
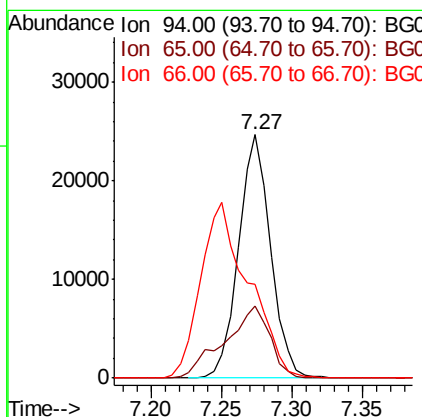
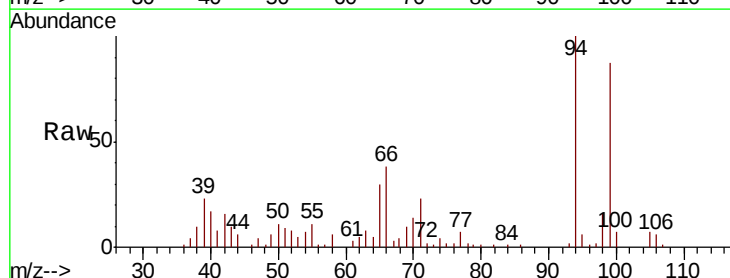
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#10
Phenol
Concen: 8.221 ng
RT: 7.27 min Scan# 678
Delta R.T. -0.00 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Tgt Ion	Ratio	Lower	Upper
94	100		
65	29.8	9.7	49.7
66	38.4	15.9	55.9





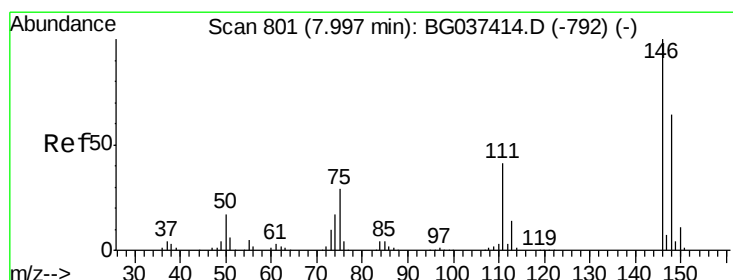
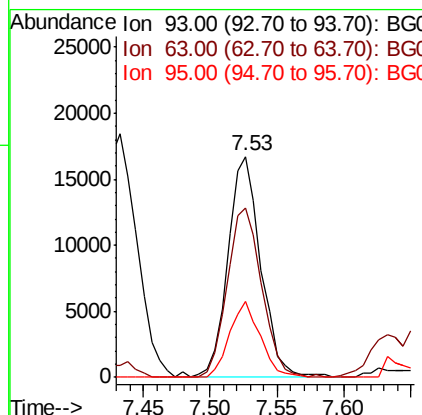
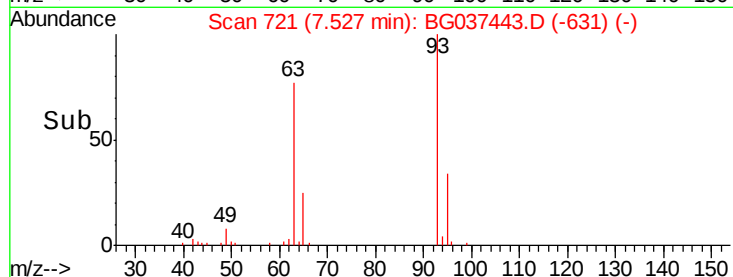
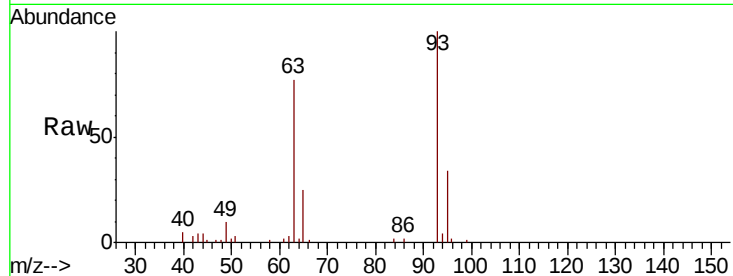
#11
bis(2-Chloroethyl)ether
Concen: 7.977 ng
RT: 7.53 min Scan# 721
Delta R.T. -0.00 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
93	100		
63	76.8	69.5	109.5
95	34.3	12.6	52.6

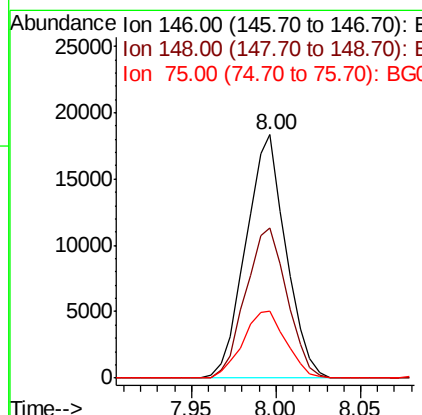
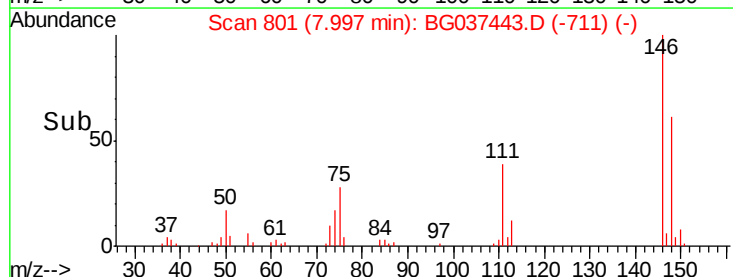
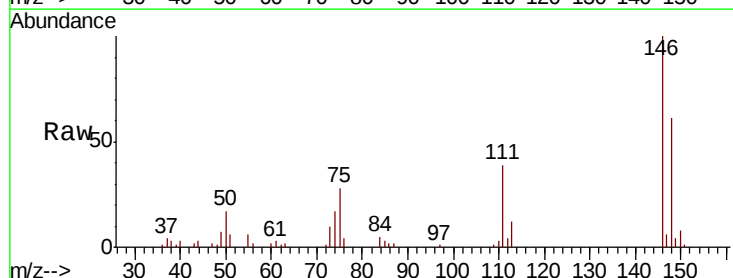
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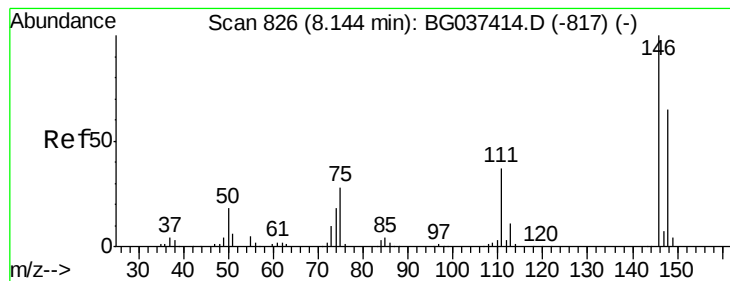
Sohil
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#12
1,3-Dichlorobenzene
Concen: 7.815 ng
RT: 8.00 min Scan# 801
Delta R.T. -0.00 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.4	49.8	74.8
75	27.7	23.2	34.8





#13

1,4-Dichlorobenzene

Concen: 7.891 ng

RT: 8.14 min Scan# 826

Delta R.T. -0.00 min

Lab File: BG037443.D

Acq: 19 Oct 2018 7:06

Instrument :

BNA_G

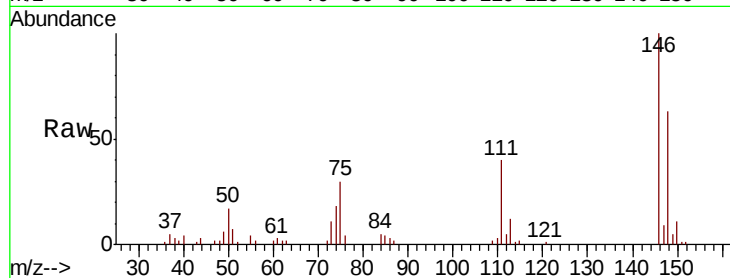
ClientSampleId :

MDL-WATER-03-QT4-2018

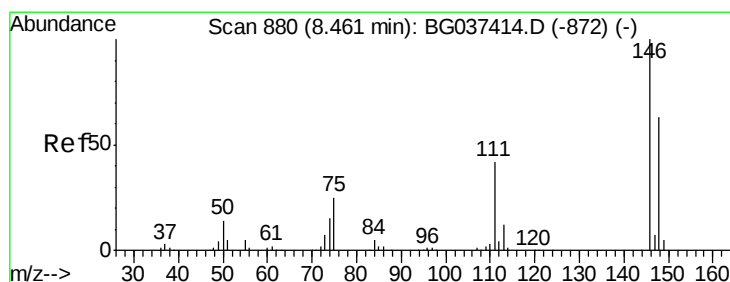
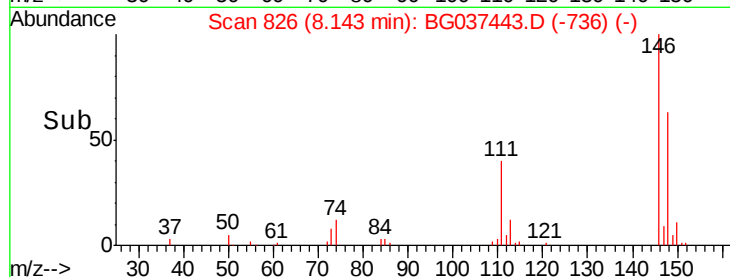
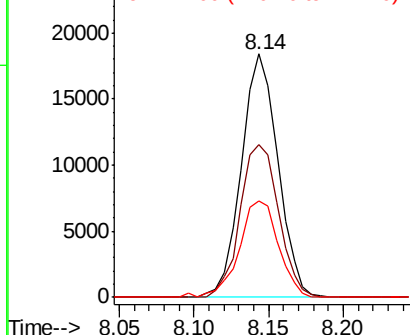
Tot Ion:	146	Resp:	31247
Ion Ratio	Lower	Upper	
146	100		
148	62.9	51.0	76.6
111	39.5	32.4	48.6

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Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 7.777 ng

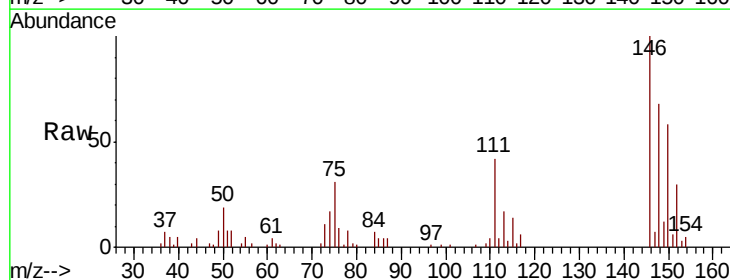
RT: 8.46 min Scan# 880

Delta R.T. -0.00 min

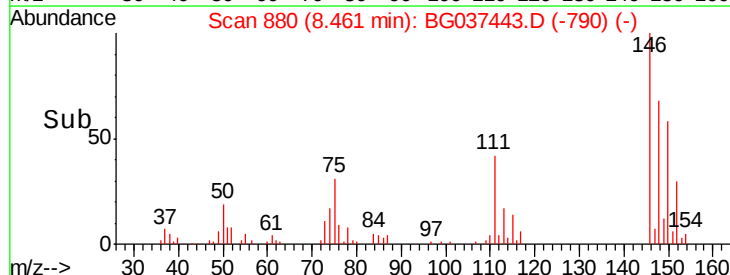
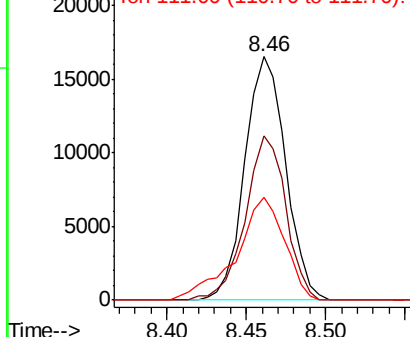
Lab File: BG037443.D

Acq: 19 Oct 2018 7:06

Tgt Ion:	146	Resp:	29622
Ion Ratio	Lower	Upper	
146	100		
148	67.7	50.4	75.6
111	42.1	34.6	51.8



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 7.767 ng

RT: 8.34 min Scan# 860

Delta R.T. -0.00 min

Lab File: BG037443.D

Acq: 19 Oct 2018 7:06

Instrument :

BNA_G

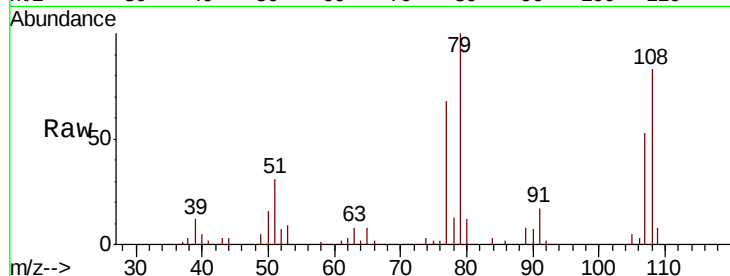
ClientSampleId :

MDL-WATER-03-QT4-2018

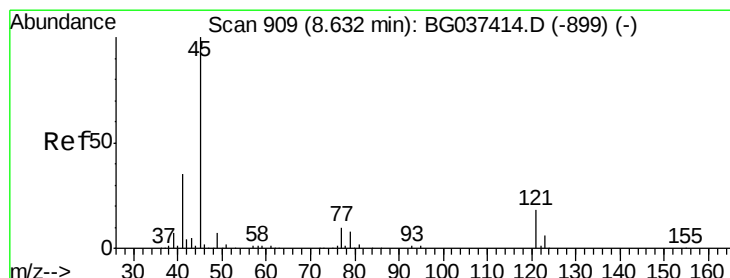
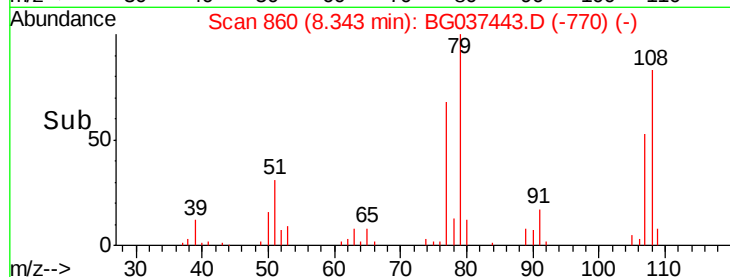
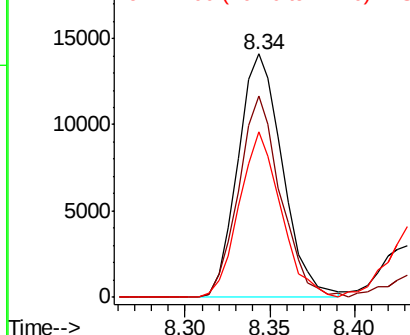
Tot Ion:	79	Resp:	25794
Ion	Ratio	Lower	Upper
79	100		
108	82.8	65.8	98.8
77	68.2	52.9	79.3

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Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-chloropropane)

Concen: 8.209 ng

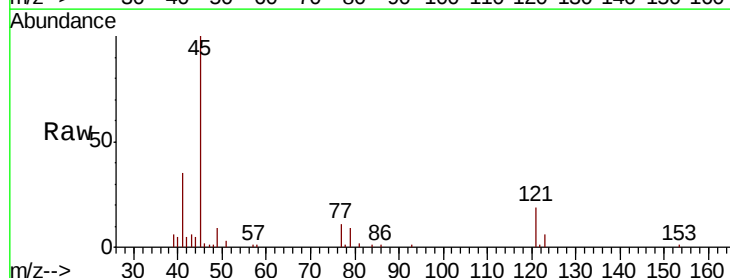
RT: 8.63 min Scan# 908

Delta R.T. -0.01 min

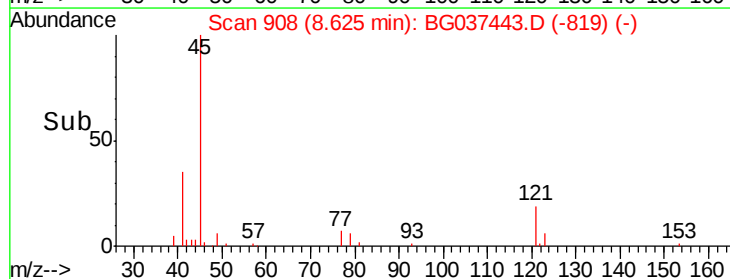
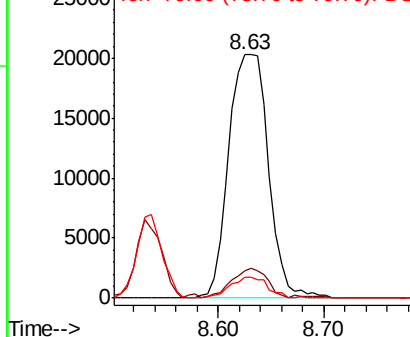
Lab File: BG037443.D

Acq: 19 Oct 2018 7:06

Tgt Ion:	45	Resp:	52903
Ion	Ratio	Lower	Upper
45	100		
77	11.2	0.0	30.0
79	8.8	0.0	29.0



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC





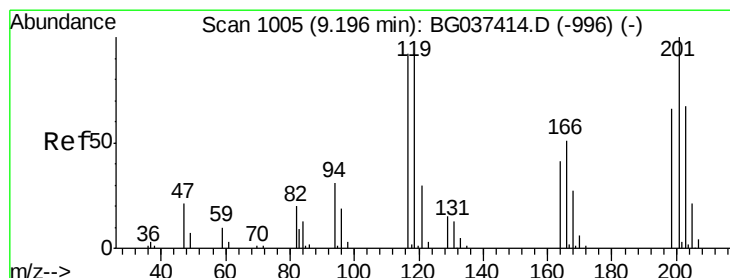
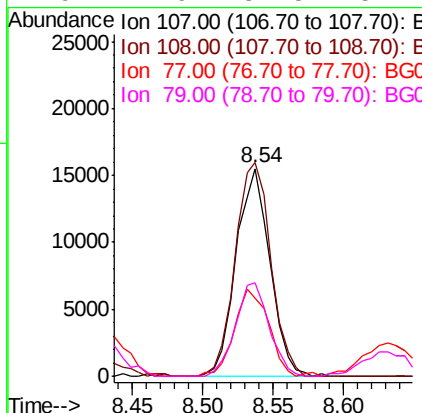
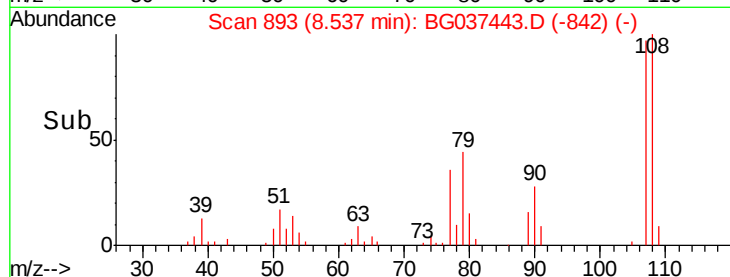
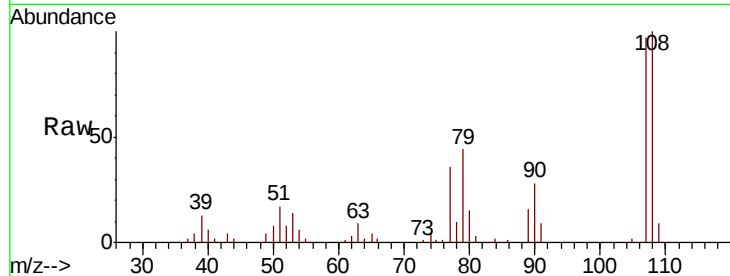
#17
2-Methylphenol
Concen: 8.292 ng
RT: 8.54 min Scan# 893
Delta R.T. -0.00 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	103.0	87.9	131.9	
77	37.5	35.1	52.7	
79	44.9	34.5	51.7	

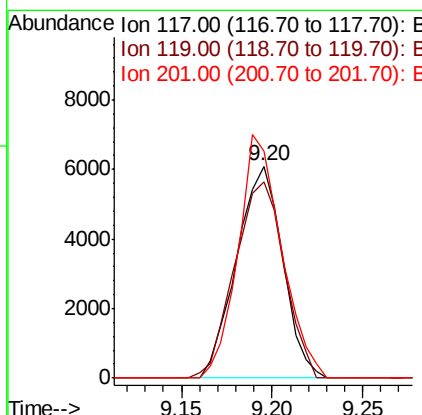
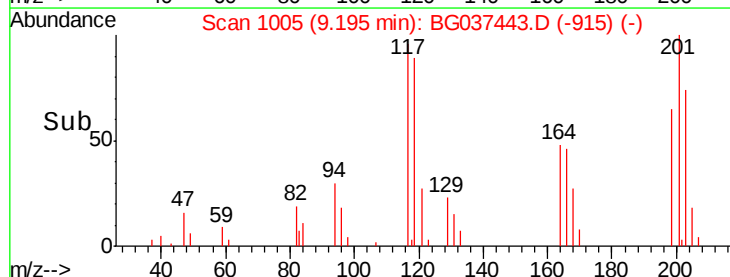
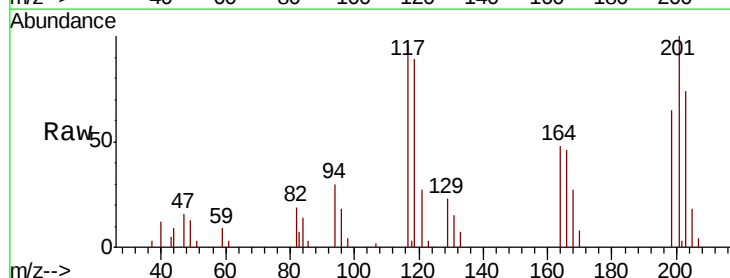
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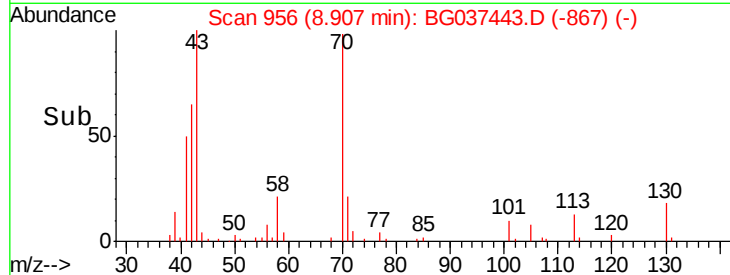
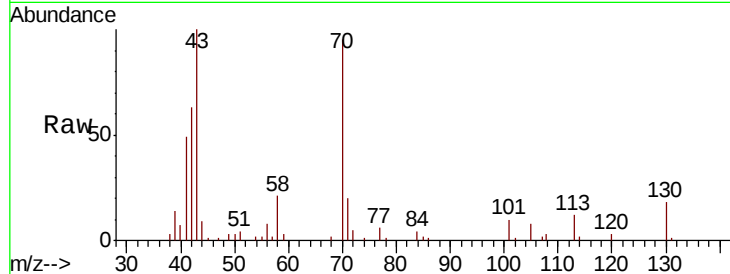
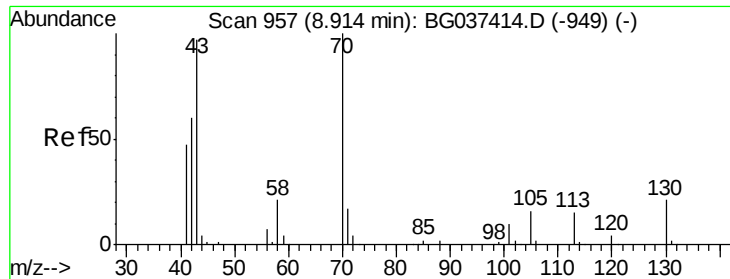
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#18
Hexachloroethane
Concen: 7.994 ng
RT: 9.20 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	92.6	74.6	111.8	
201	107.0	80.8	121.2	





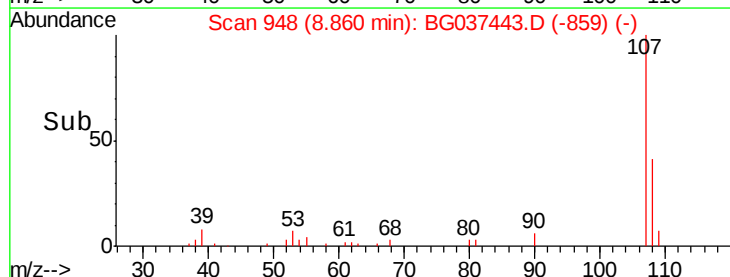
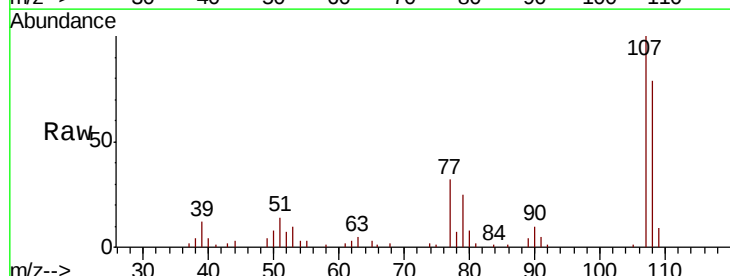
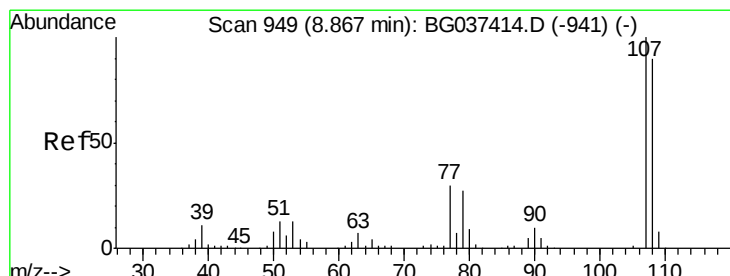
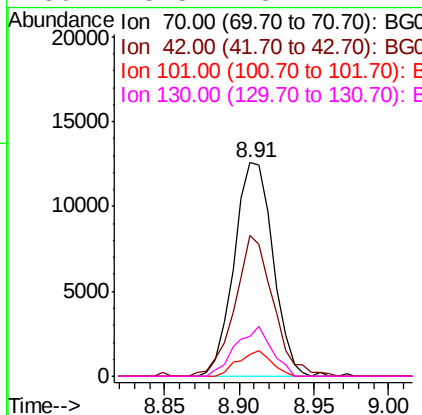
#19
n-Nitroso-di-n-propylamine
Concen: 7.343 ng
RT: 8.91 min Scan# 956
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Tot Ion	Ratio	Lower	Upper
70	100		
42	66.0	53.9	80.9
101	10.1	8.2	12.2
130	18.8	18.2	27.4

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT4-2018

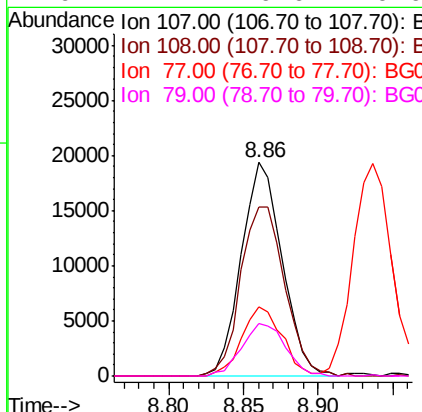
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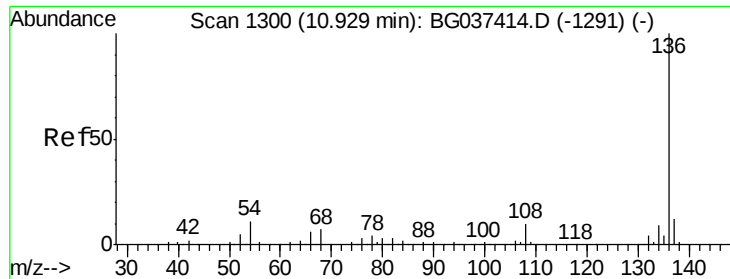
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#20
3+4-Methylphenols
Concen: 8.181 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Tgt Ion	Ratio	Lower	Upper
107	100		
108	78.8	69.9	109.9
77	32.1	11.2	51.2
79	24.7	6.6	46.6





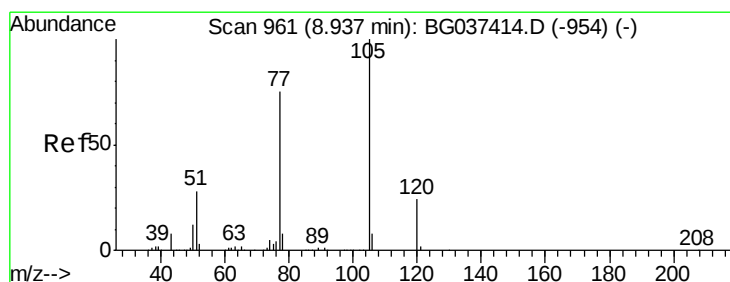
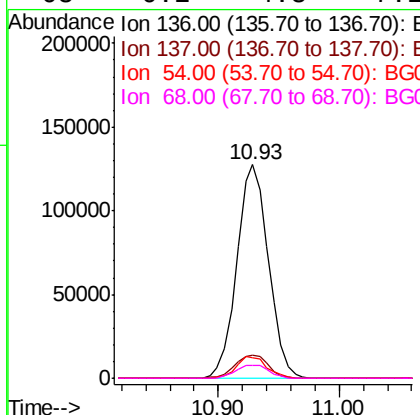
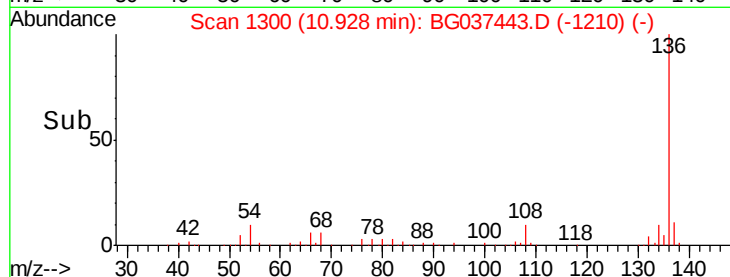
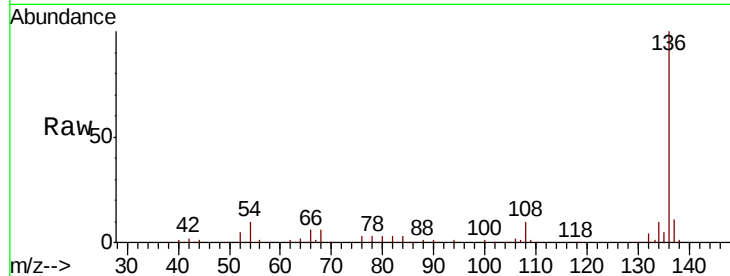
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Resp	Lower	Upper
136	100	231814		
137	10.7		9.6	14.4
54	9.6		7.9	11.9
68	6.2		4.8	7.2

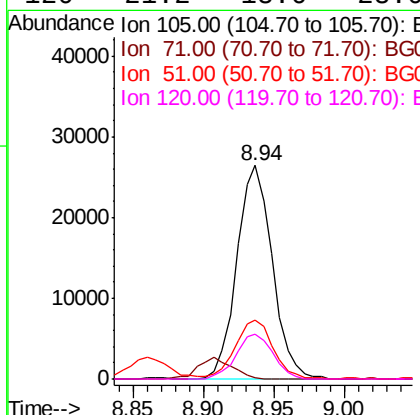
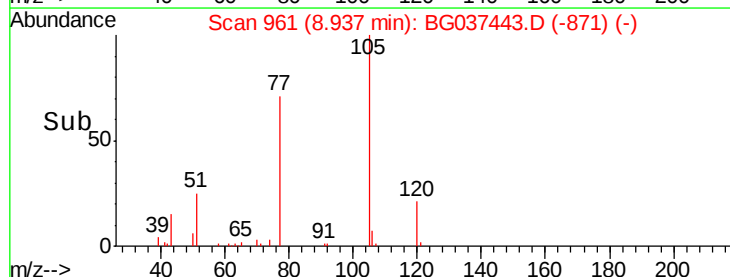
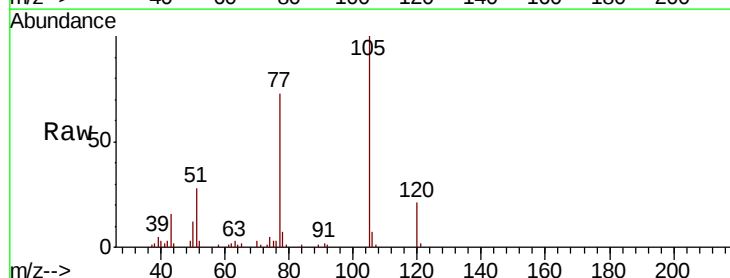
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#22
Acetophenone
Concen: 7.965 ng
RT: 8.94 min Scan# 961
Delta R.T. -0.00 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	46307		
71	0.8		1.2	1.8#
51	27.5		25.0	37.6
120	21.2		18.6	28.0





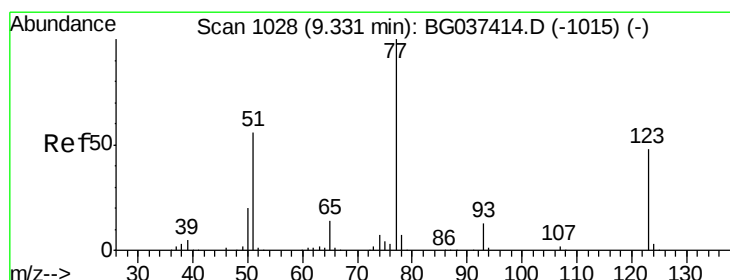
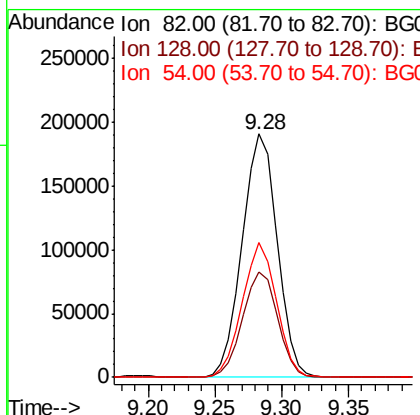
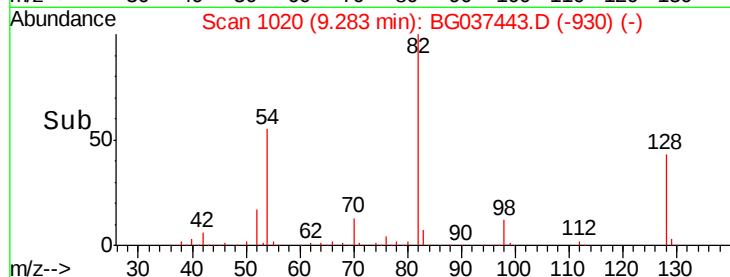
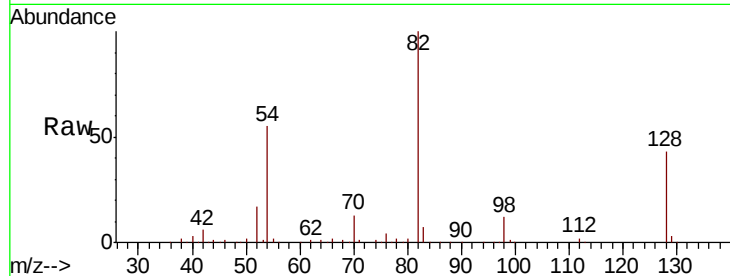
#23
 Nitrobenzene-d5
 Concen: 83.939 ng
 RT: 9.28 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BG037443.D
 Acq: 19 Oct 2018 7:06

Instrument :
 BNA_G
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.4	34.6	51.8
54	55.3	45.3	67.9

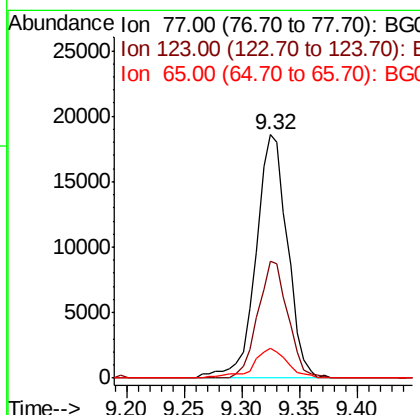
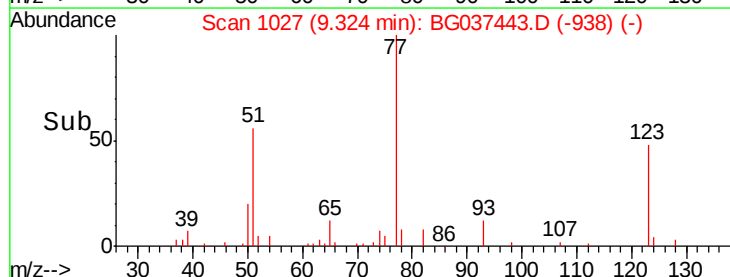
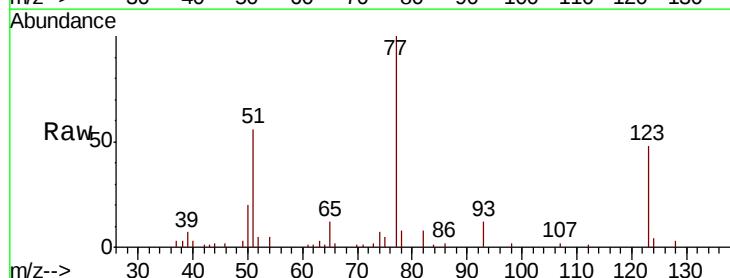
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#24
 Nitrobenzene
 Concen: 8.192 ng
 RT: 9.32 min Scan# 1027
 Delta R.T. -0.01 min
 Lab File: BG037443.D
 Acq: 19 Oct 2018 7:06

Tgt Ion	Ratio	Lower	Upper
77	100		
123	47.8	33.6	50.4
65	12.1	11.3	16.9





#25

Isophorone

Concen: 8.628 ng

RT: 9.84 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BG037443.D

Acq: 19 Oct 2018 7:06

Instrument :

BNA_G

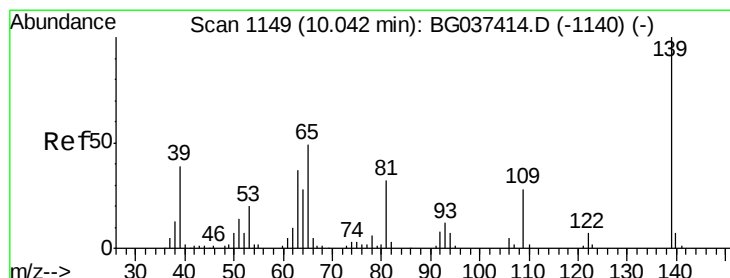
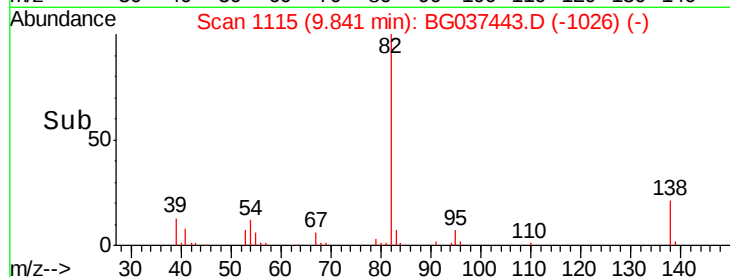
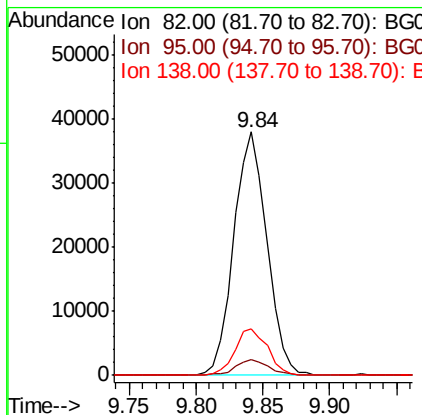
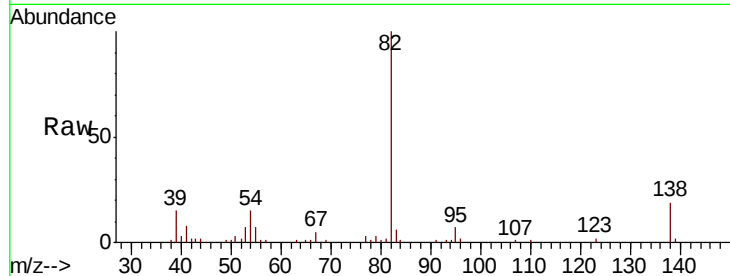
ClientSampleId :

MDL-WATER-03-QT4-2018

Tot Ion:	82	Resp:	65235
Ion Ratio	Lower	Upper	
82	100		
95	6.7	5.3	7.9
138	19.1	13.3	19.9

Manual Integrations
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#26

2-Nitrophenol

Concen: 6.922 ng

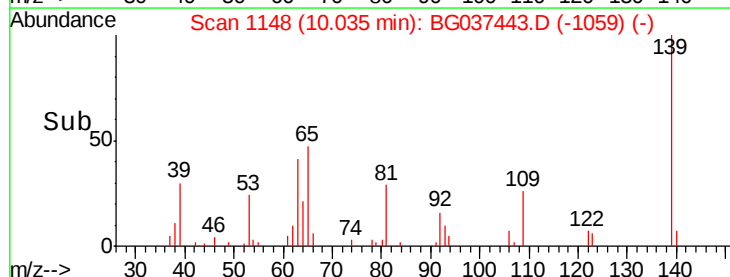
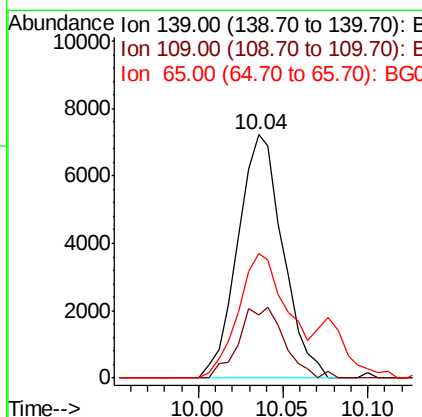
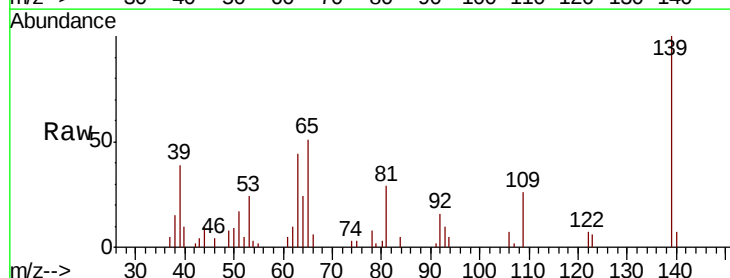
RT: 10.04 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BG037443.D

Acq: 19 Oct 2018 7:06

Tgt Ion:	139	Resp:	13406
Ion Ratio	Lower	Upper	
139	100		
109	25.8	23.3	34.9
65	51.0	39.8	59.8





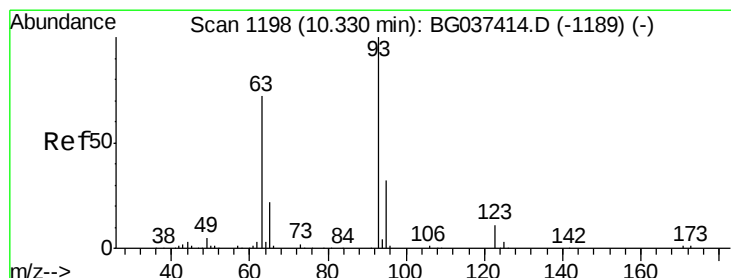
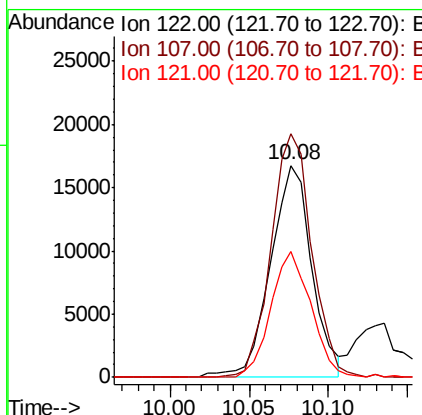
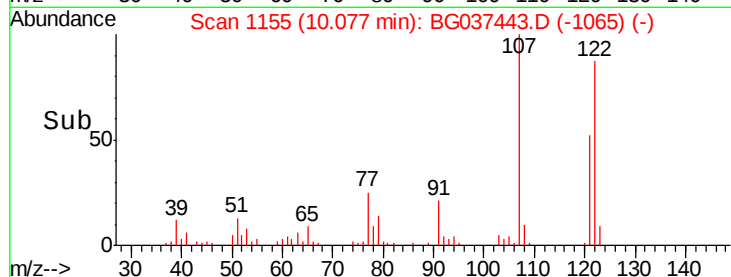
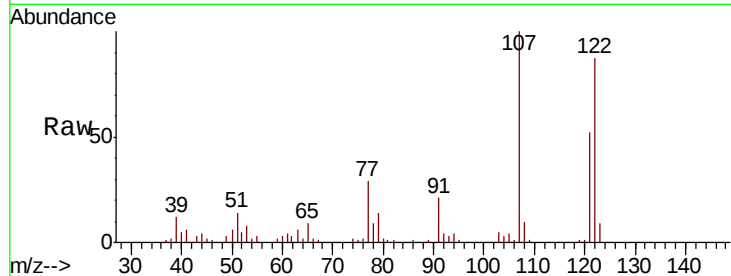
#27
 2,4-Dimethylphenol
 Concen: 8.774 ng
 RT: 10.08 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: BG037443.D
 Acq: 19 Oct 2018 7:06

Instrument :
 BNA_G
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
122	100		
107	114.8	94.2	141.2
121	59.2	47.3	70.9

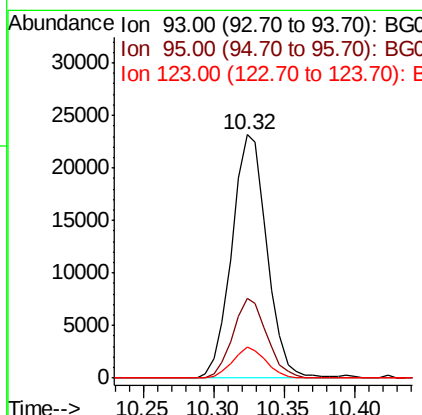
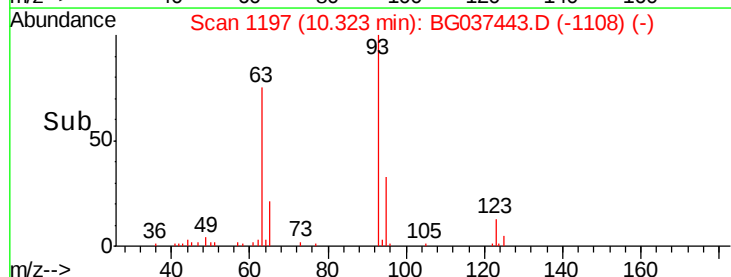
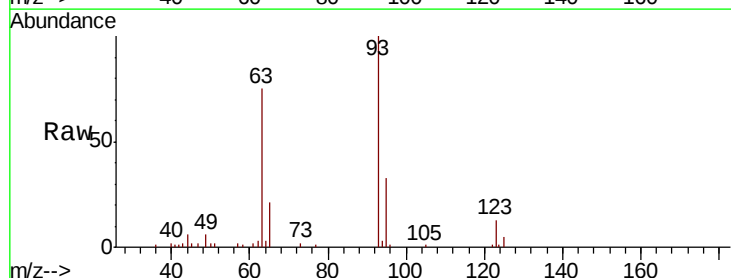
Manual Integrations
 APPROVED

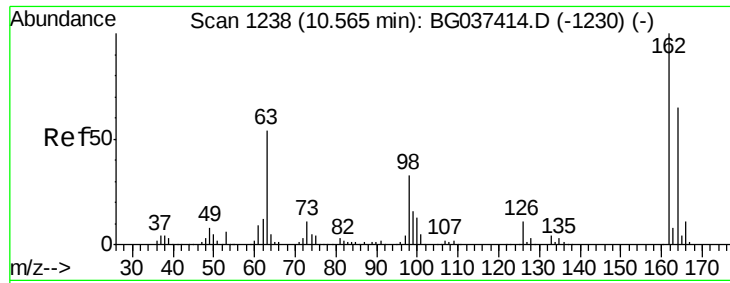
Sohil
 10/19/2018 3:57:55 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 8.112 ng
 RT: 10.32 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BG037443.D
 Acq: 19 Oct 2018 7:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.0	24.6	37.0
123	13.0	9.1	13.7





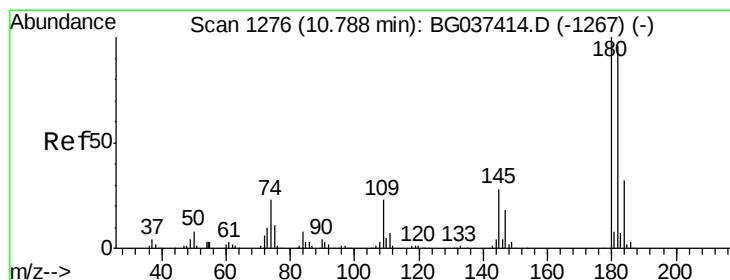
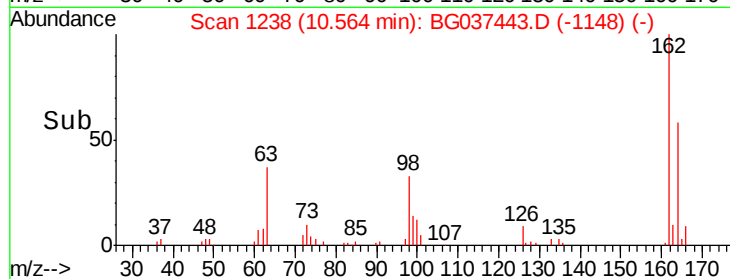
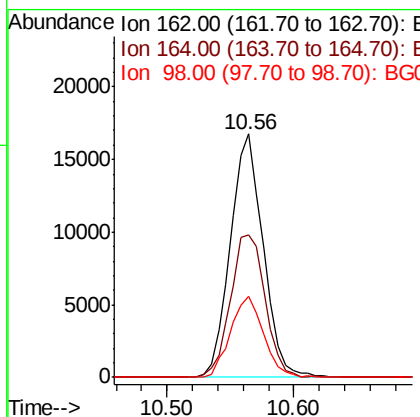
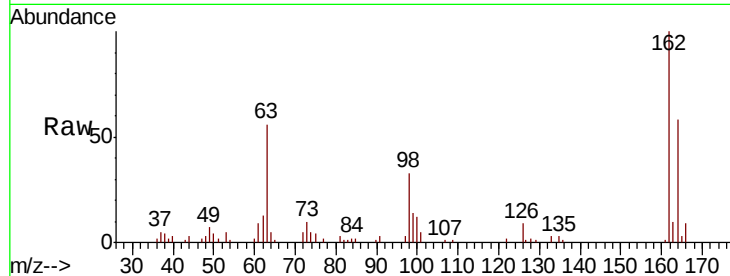
#29
 2,4-Dichlorophenol
 Concen: 7.767 ng
 RT: 10.56 min Scan# 1238
 Delta R.T. -0.00 min
 Lab File: BG037443.D
 Acq: 19 Oct 2018 7:06

Instrument :
 BNA_G
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Tot Ion:	162	Resp:	29901
Ion Ratio	Lower	Upper	
162	100		
164	58.4	43.2	83.2
98	33.2	16.0	56.0

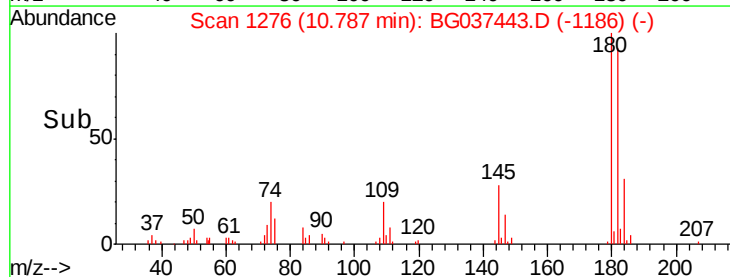
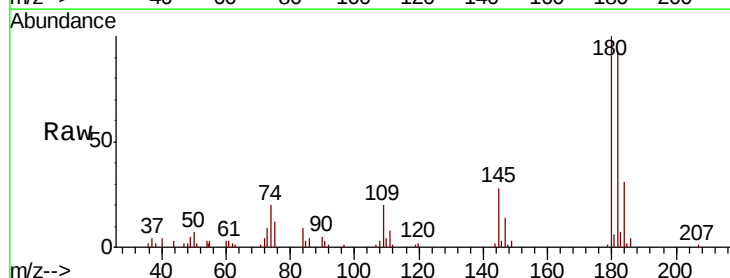
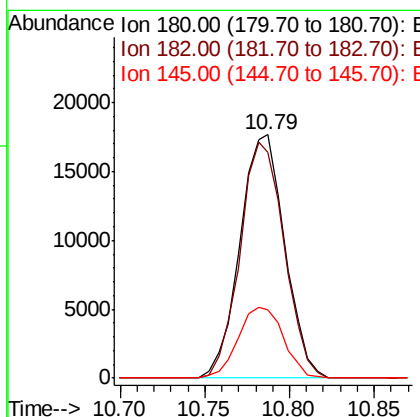
Manual Integrations
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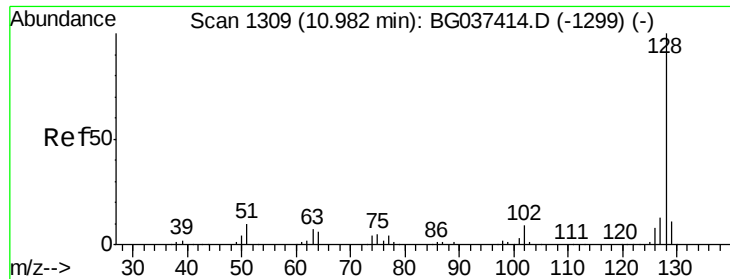
Sohil
 10/19/2018 3:57:55 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 7.771 ng
 RT: 10.79 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: BG037443.D
 Acq: 19 Oct 2018 7:06

Tgt Ion:	180	Resp:	32535
Ion Ratio	Lower	Upper	
180	100		
182	92.9	77.7	116.5
145	28.3	23.3	34.9





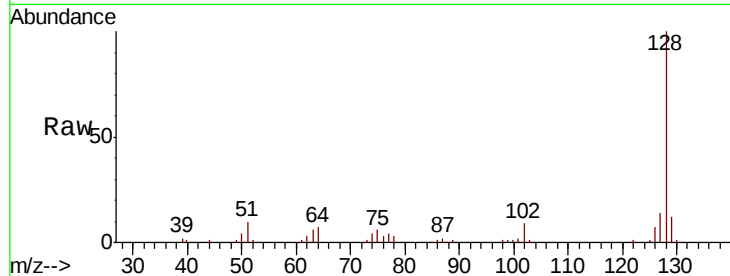
#31
Naphthalene
Concen: 8.617 ng
RT: 10.98 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.0	13.6
127	14.1	11.1	16.7

Manual Integrations
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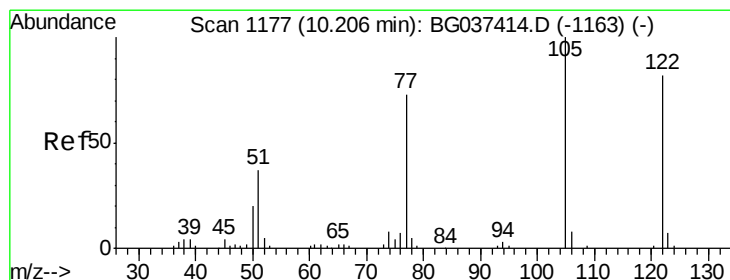
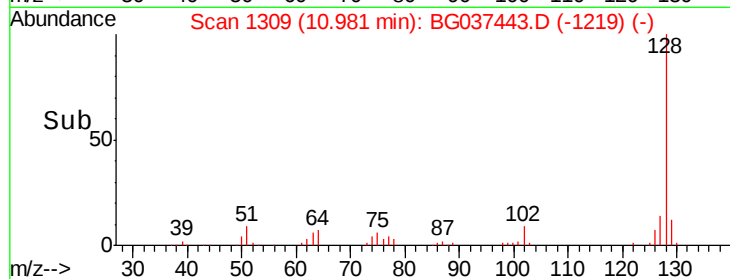
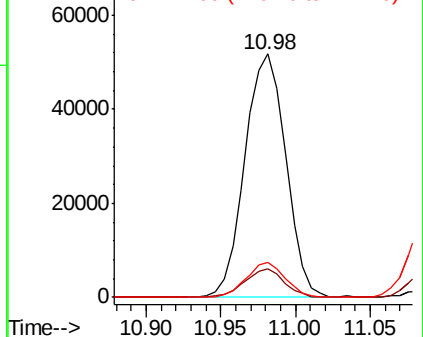


Abundance

Ion 128.00 (127.70 to 128.70): E

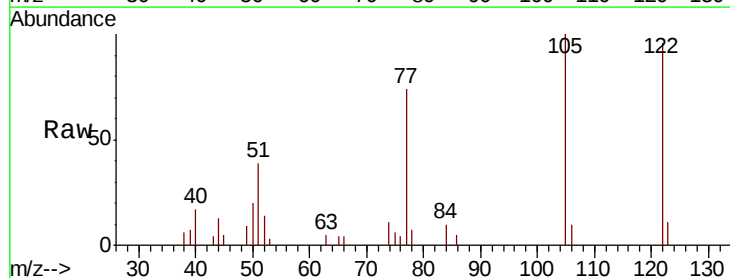
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 4.223 ng
RT: 10.14 min Scan# 1165
Delta R.T. -0.07 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Tgt Ion	Ratio	Lower	Upper
122	100		
105	104.7	106.7	146.7#
77	77.3	72.2	112.2

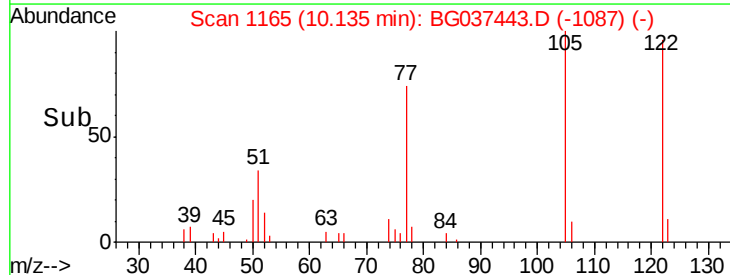
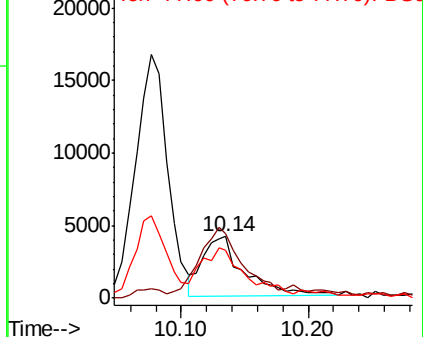


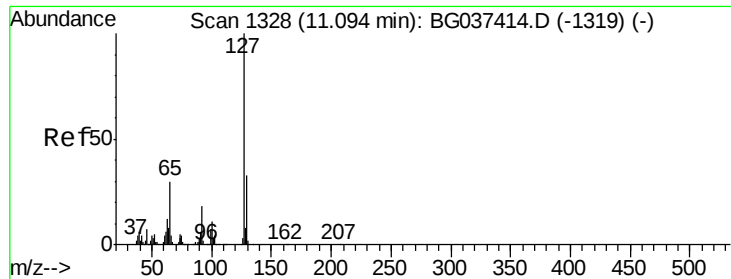
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG





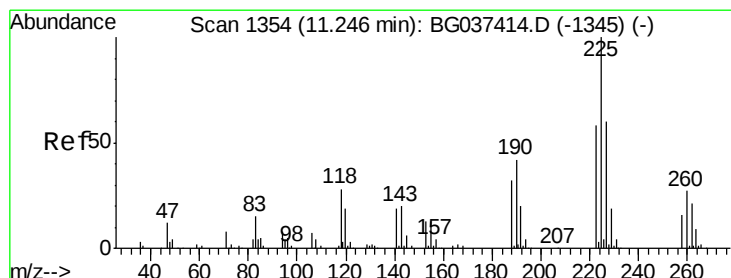
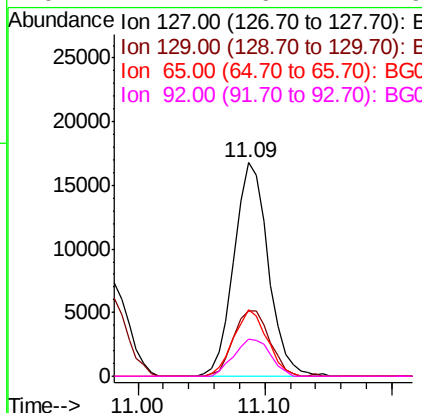
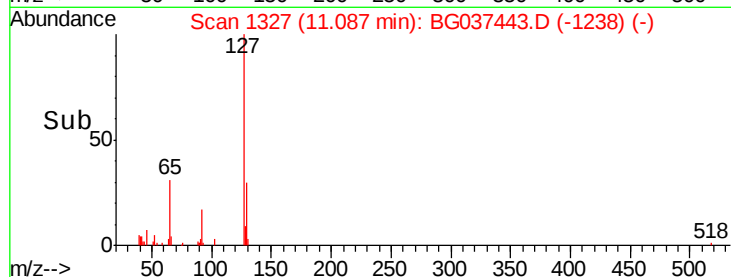
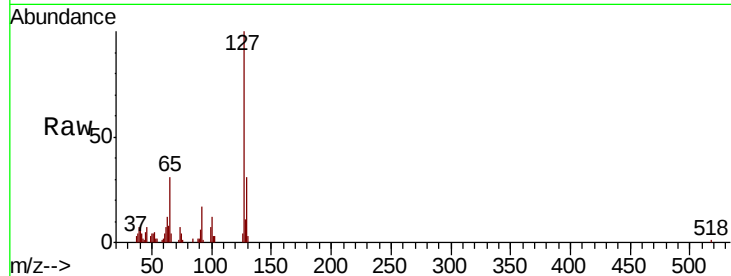
#33
4-Chloroaniline
Concen: 5.883 ng
RT: 11.09 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	30.6		27.1	40.7	
65	31.3		26.6	39.8	
92	17.1		16.4	24.6	

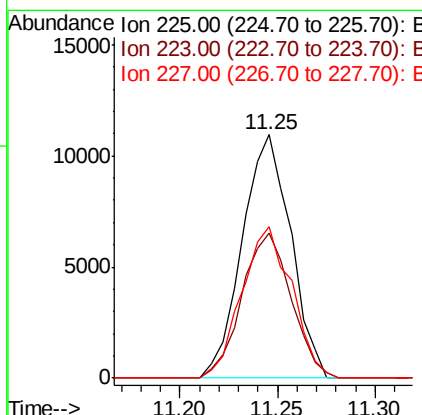
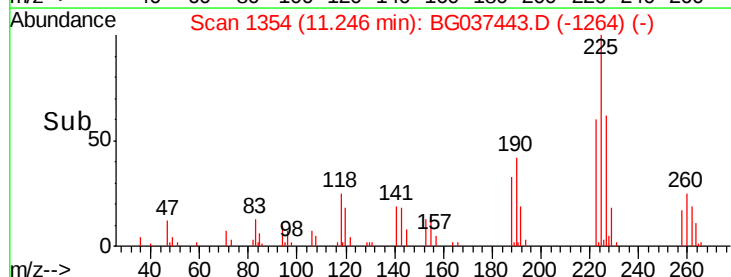
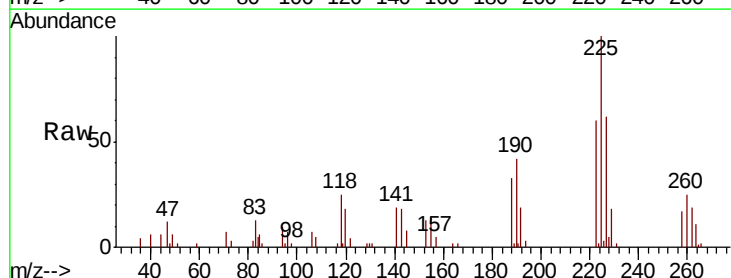
Manual Integrations
APPROVED

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10/19/2018 3:57:55 PM



#34
Hexachlorobutadiene
Concen: 7.585 ng
RT: 11.25 min Scan# 1354
Delta R.T. -0.00 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	60.1		48.2	72.4	
227	65.0		51.6	77.4	





#35

Caprolactam

Concen: 6.934 ng

RT: 11.85 min Scan# 1457

Delta R.T. -0.03 min

Lab File: BG037443.D

Acq: 19 Oct 2018 7:06

Instrument :

BNA_G

ClientSampleId :

MDL-WATER-03-QT4-2018

Tot Ion:113 Resp: 10707

Ion Ratio Lower Upper

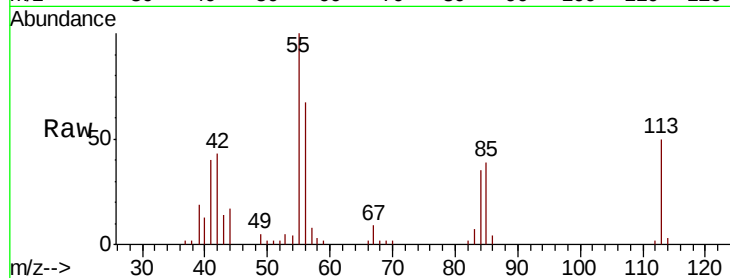
113 100

55 201.1 176.6 216.6

56 135.4 128.3 168.3

Manual Integrations
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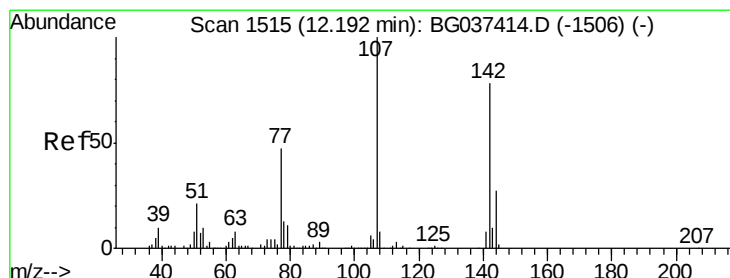
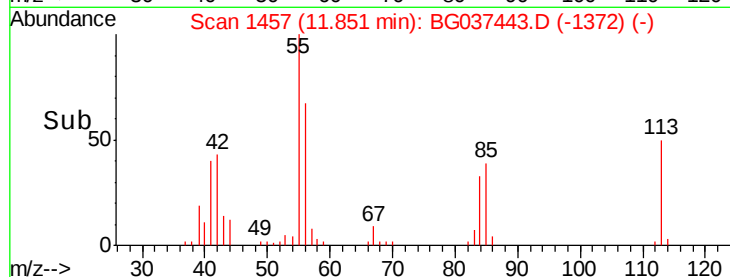
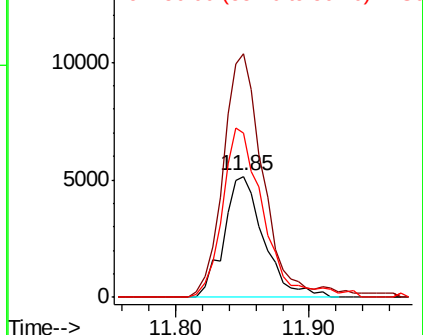
Sohil
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG037414.D (-1452) (-)

Ion 56.00 (55.70 to 56.70): BG037414.D (-1452) (-)



#36

4-Chloro-3-methylphenol

Concen: 7.540 ng

RT: 12.19 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BG037443.D

Acq: 19 Oct 2018 7:06

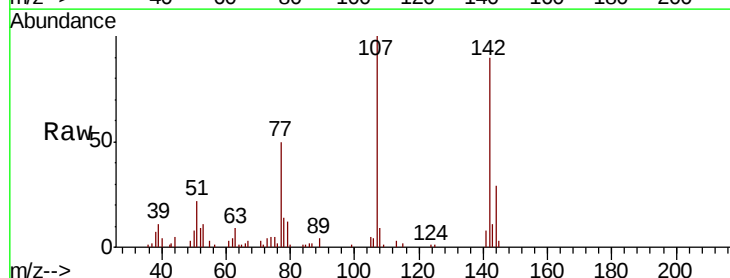
Tgt Ion:107 Resp: 32739

Ion Ratio Lower Upper

107 100

144 28.8 20.7 31.1

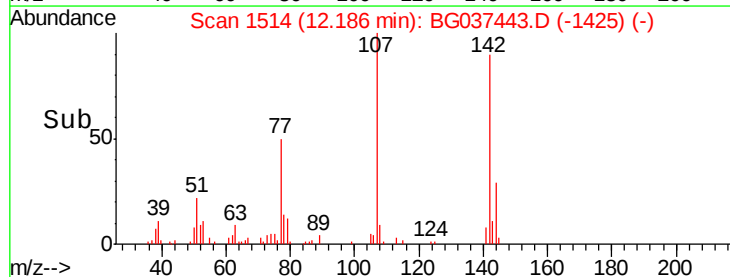
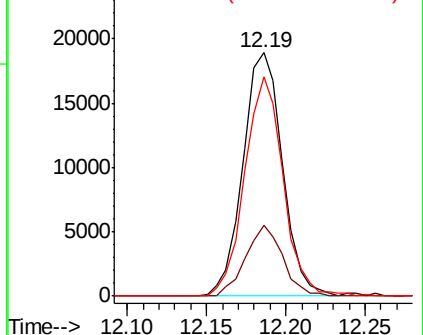
142 90.3 64.4 96.6

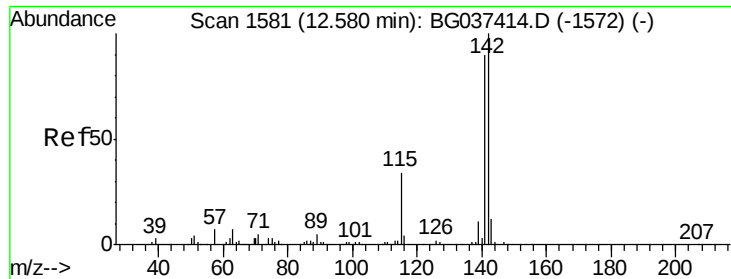


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





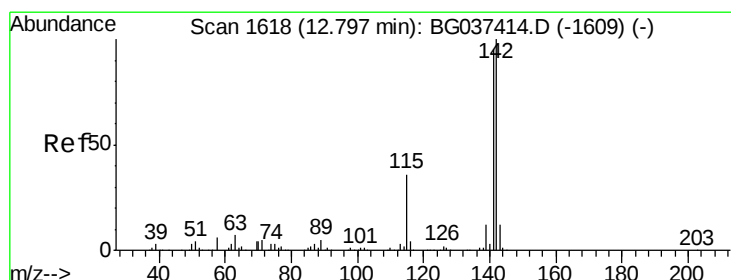
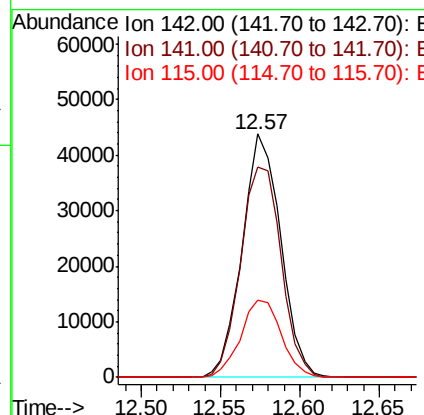
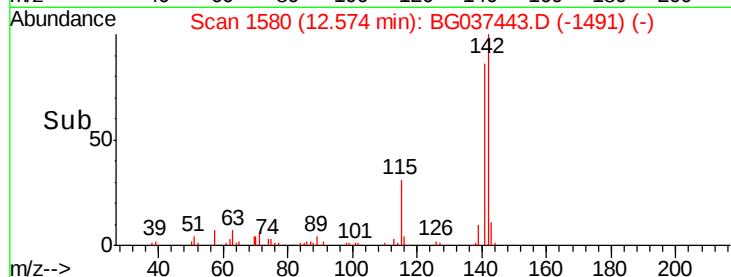
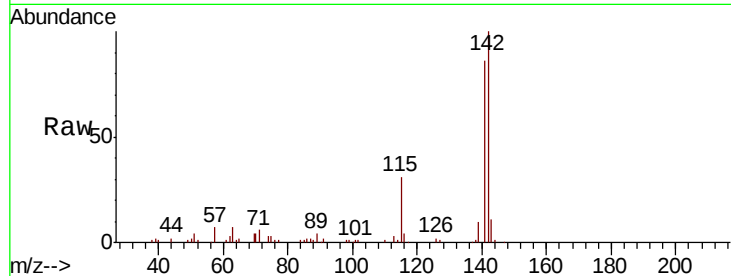
#37
2-Methylnaphthalene
Concen: 8.908 ng
RT: 12.57 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.4	71.9	107.9
115	31.5	27.8	41.8

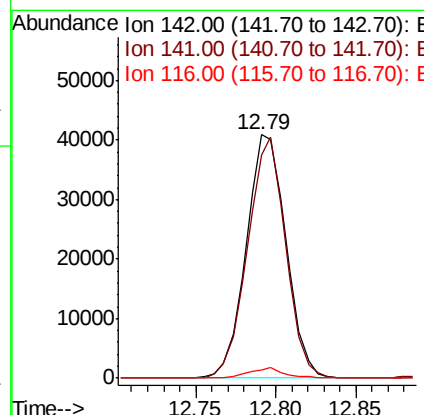
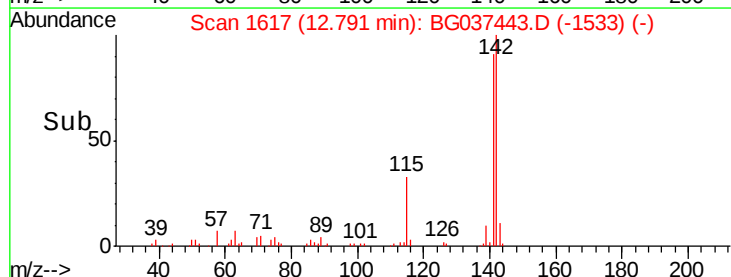
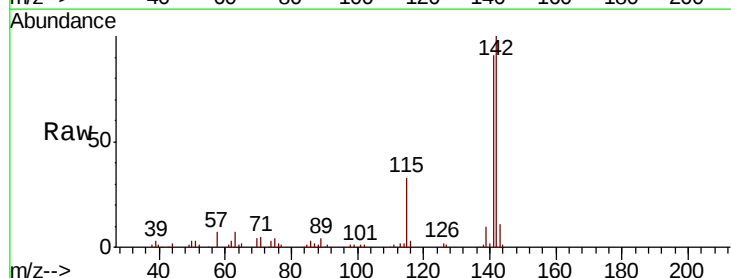
Manual Integrations
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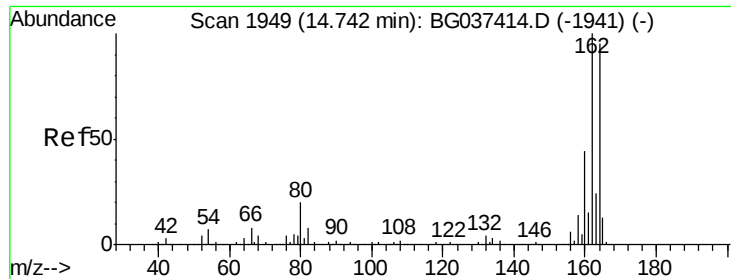
Sohil
10/19/2018 3:57:55 PM



#38
1-Methylnaphthalene
Concen: 8.727 ng m
RT: 12.79 min Scan# 1617
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.5	75.2	112.8
116	3.2	3.3	4.9#





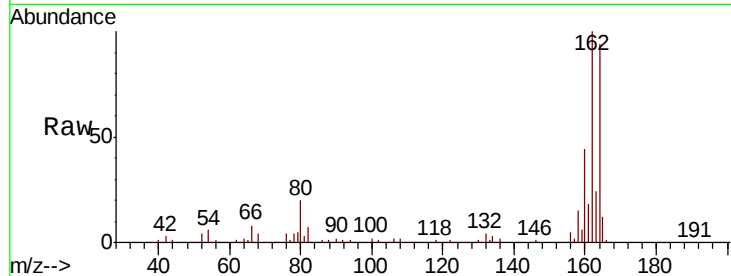
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1949
Delta R.T. -0.00 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	106.6	81.3	121.9	
160	47.0	36.3	54.5	

Manual Integrations
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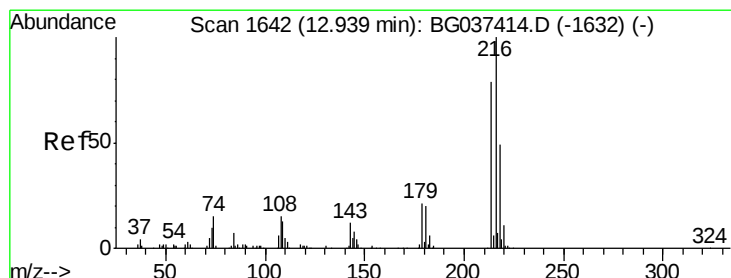
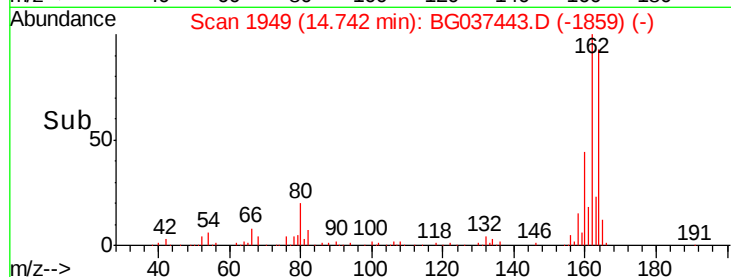
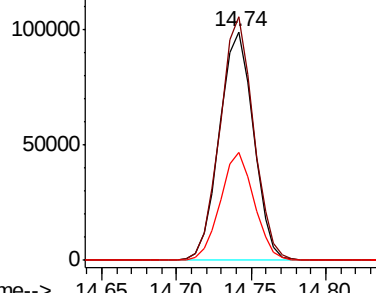


Abundance

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



#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.645 ng
RT: 12.93 min Scan# 1641
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.6	63.8	95.6	
179	19.4	17.4	26.0	
108	18.0	13.9	20.9	

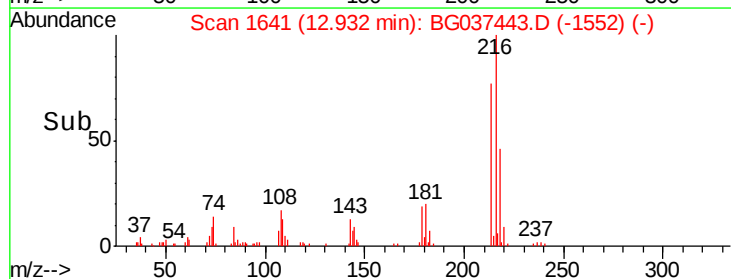
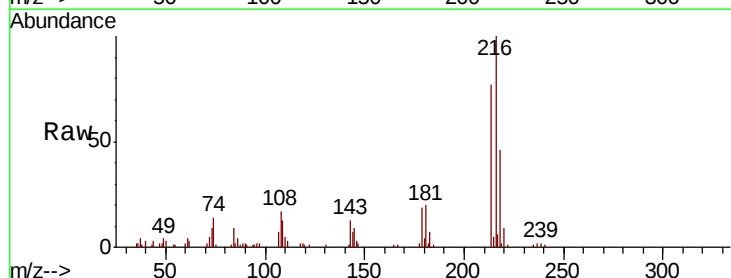
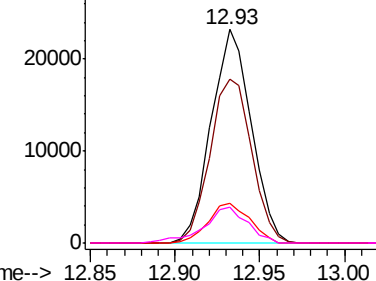
Abundance

Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 7.929 ng

RT: 12.90 min Scan# 1636

Delta R.T. -0.00 min

Lab File: BG037443.D

Acq: 19 Oct 2018 7:06

Instrument :

BNA_G

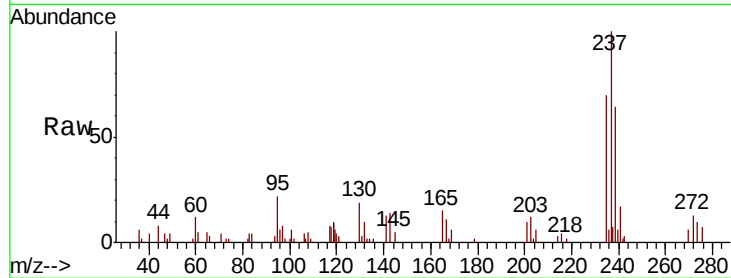
ClientSampleId :

MDL-WATER-03-QT4-2018

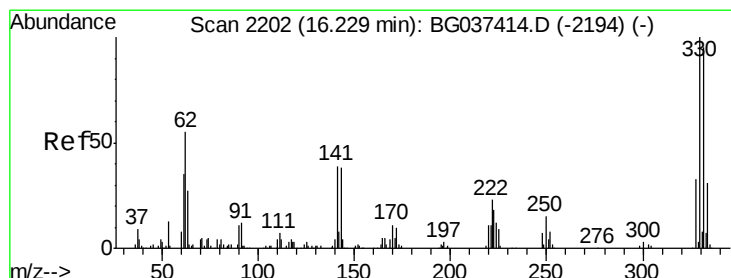
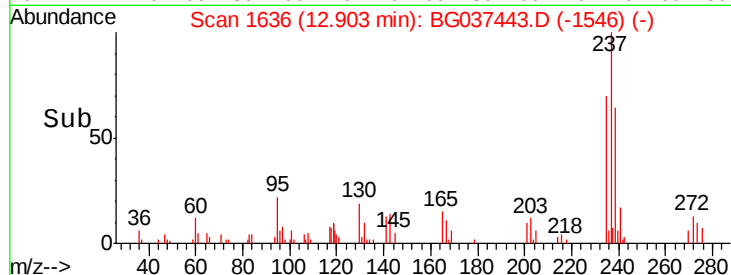
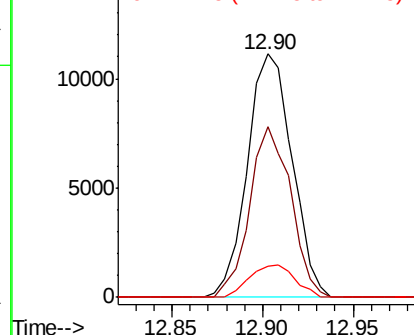
Tot Ion:	237	Resp:	19023
Ion Ratio	Lower	Upper	
237	100		
235	69.9	42.5	82.5
272	12.7	0.0	31.6

Manual Integrations
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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 142.442 ng

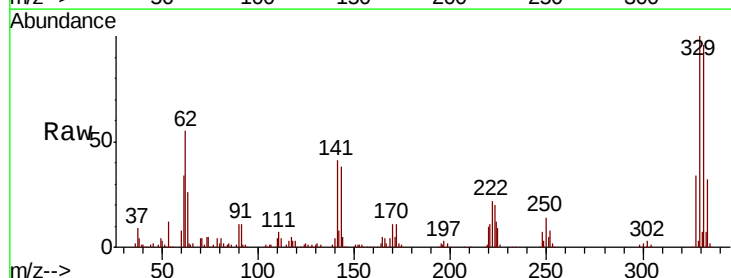
RT: 16.23 min Scan# 2202

Delta R.T. -0.00 min

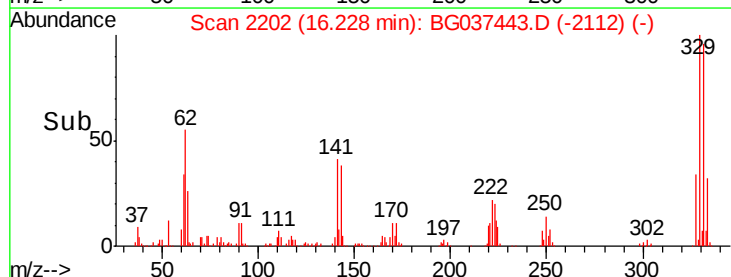
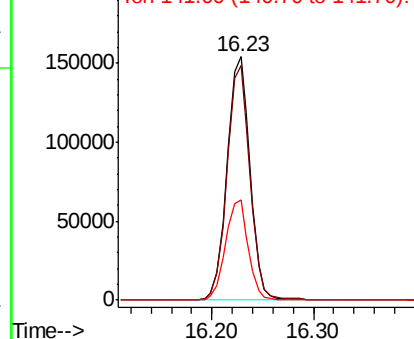
Lab File: BG037443.D

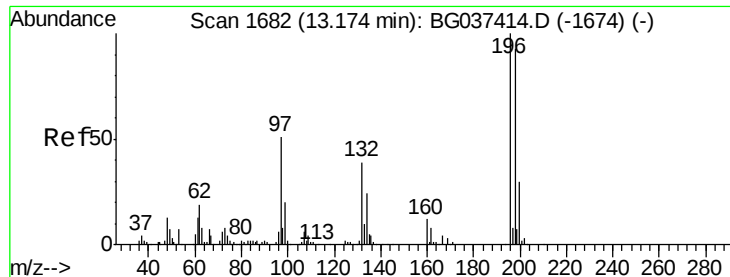
Acq: 19 Oct 2018 7:06

Tgt Ion:	330	Resp:	241924
Ion Ratio	Lower	Upper	
330	100		
332	95.9	78.4	117.6
141	40.7	32.2	48.2



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





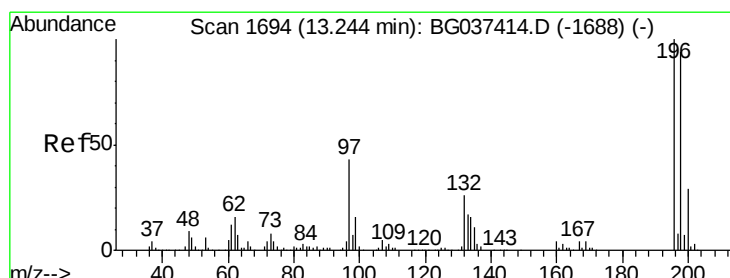
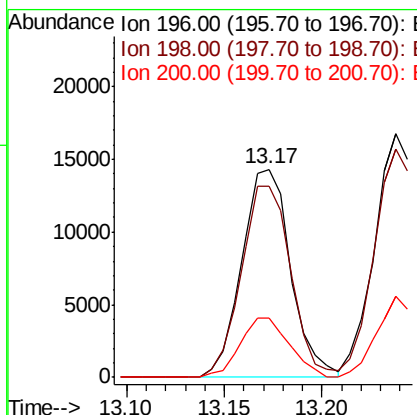
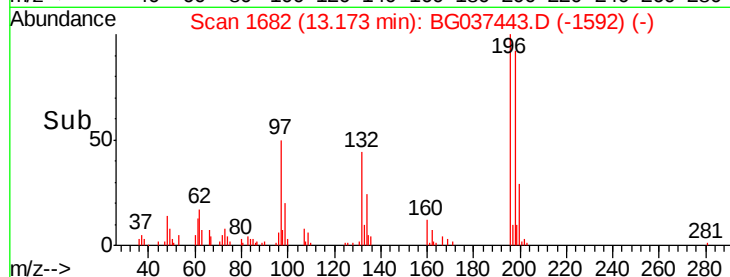
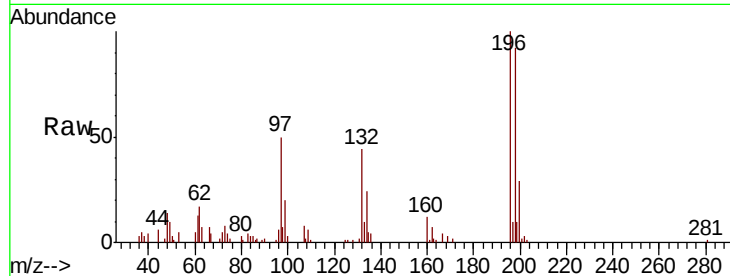
#43
 2,4,6-Trichlorophenol
 Concen: 7.384 ng
 RT: 13.17 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: BG037443.D
 Acq: 19 Oct 2018 7:06

Instrument :
 BNA_G
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
196	100		
198	92.0	76.4	114.6
200	28.7	24.9	37.3

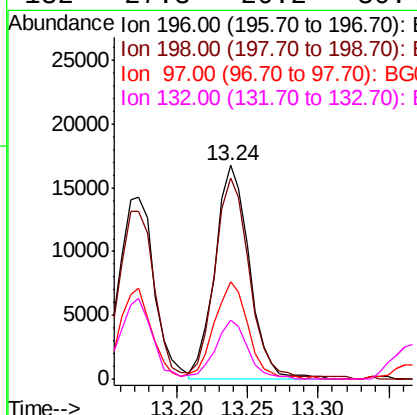
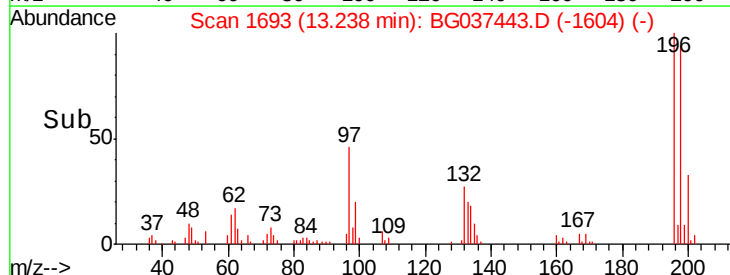
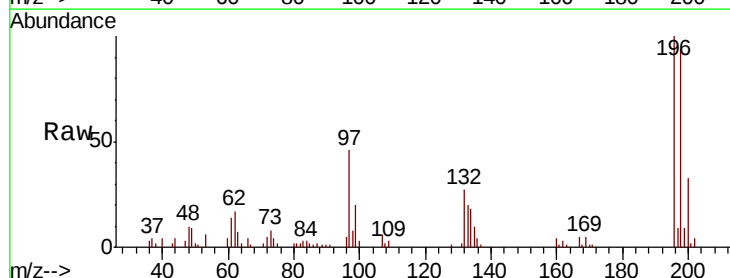
Manual Integrations
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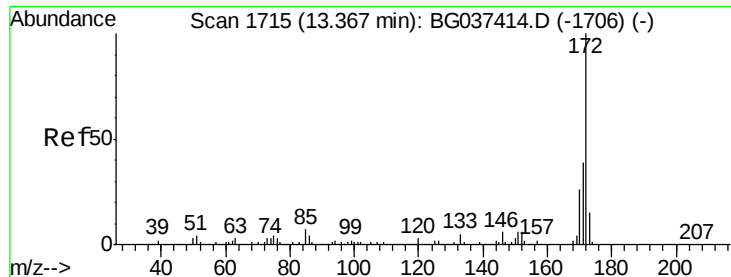
Sohil
 10/19/2018 3:57:55 PM



#44
 2,4,5-Trichlorophenol
 Concen: 7.798 ng
 RT: 13.24 min Scan# 1693
 Delta R.T. -0.01 min
 Lab File: BG037443.D
 Acq: 19 Oct 2018 7:06

Tgt Ion	Ratio	Lower	Upper
196	100		
198	93.9	74.2	111.2
97	45.5	34.1	51.1
132	27.3	20.2	30.4





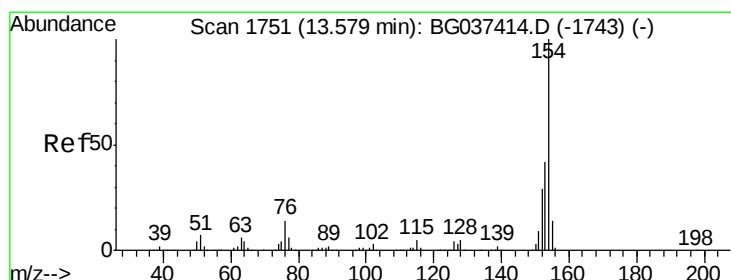
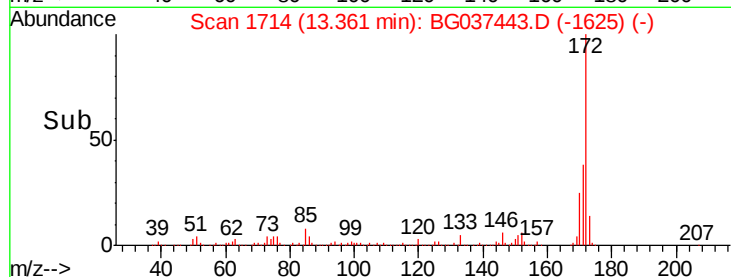
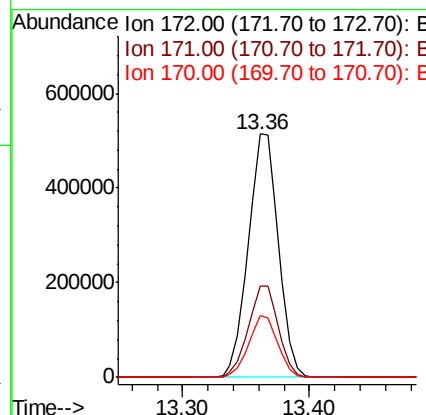
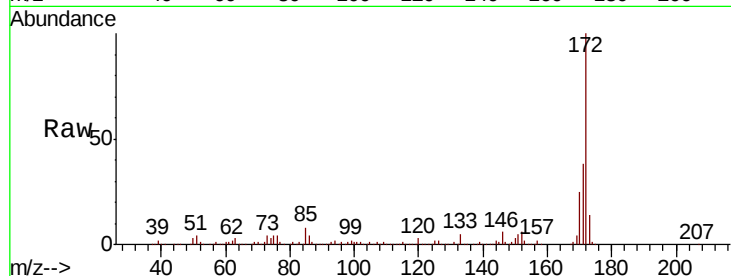
#45
2-Fluorobiphenyl
Concen: 82.271 ng
RT: 13.36 min Scan# 1714
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	31.0	46.4
170	25.4	20.2	30.2

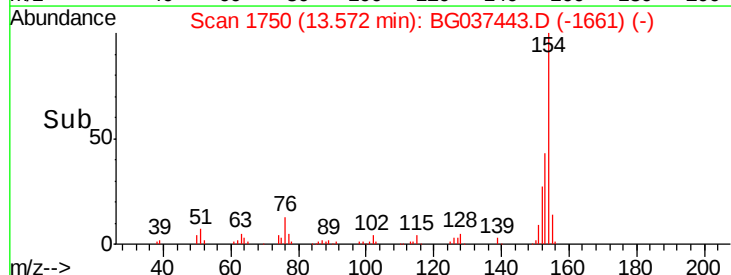
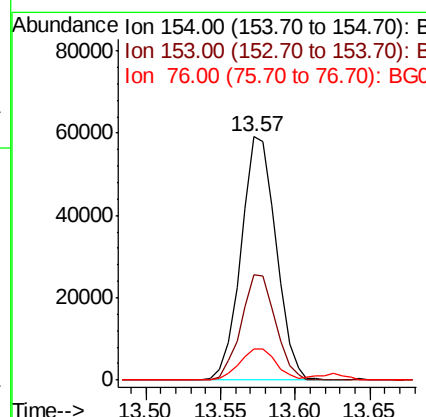
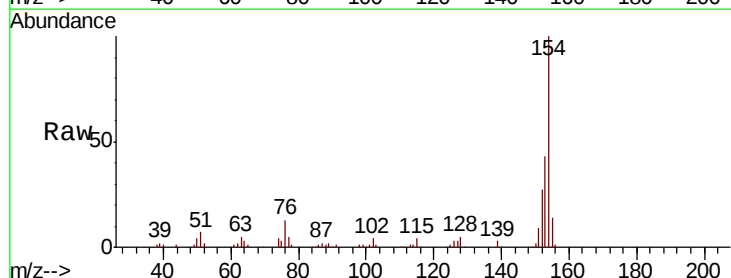
Manual Integrations
APPROVED

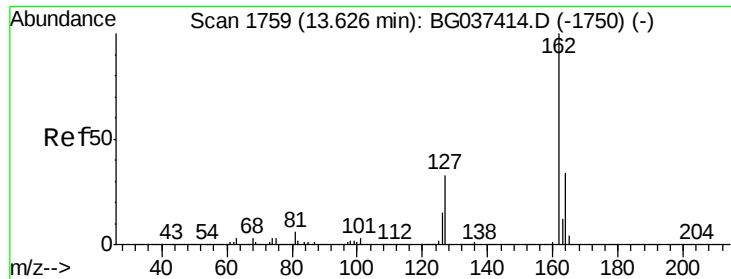
Sohil
10/19/2018 3:57:55 PM



#46
1,1'-Biphenyl
Concen: 7.440 ng
RT: 13.57 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.3	22.1	62.1
76	12.8	0.0	33.2





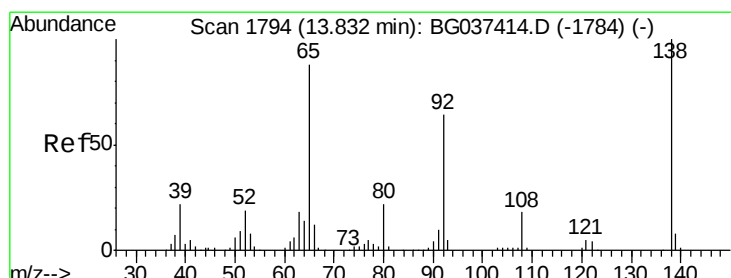
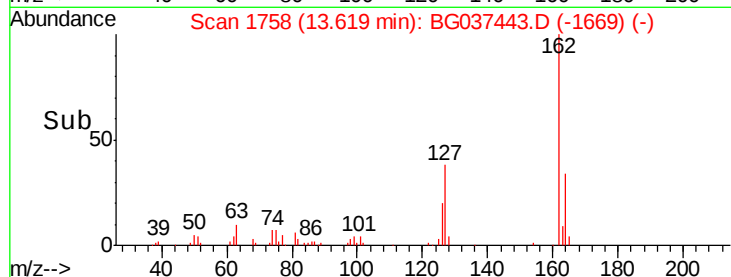
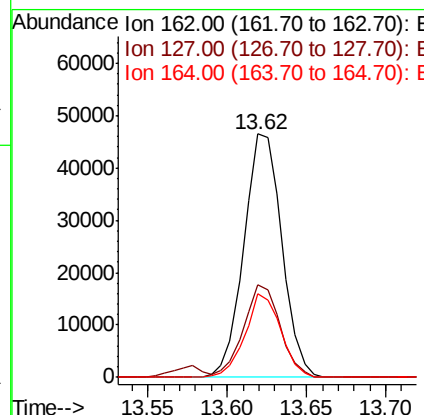
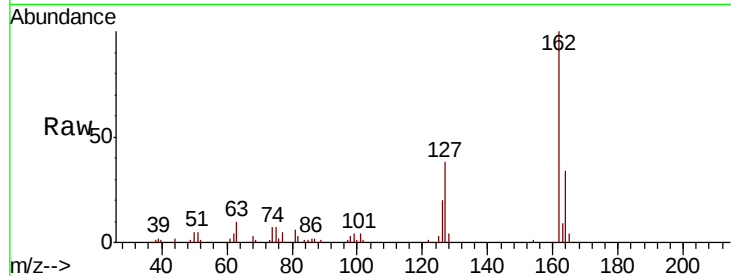
#47
2-Chloronaphthalene
Concen: 7.937 ng
RT: 13.62 min Scan# 1758
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
162	100		
127	38.2	30.5	45.7
164	34.3	26.4	39.6

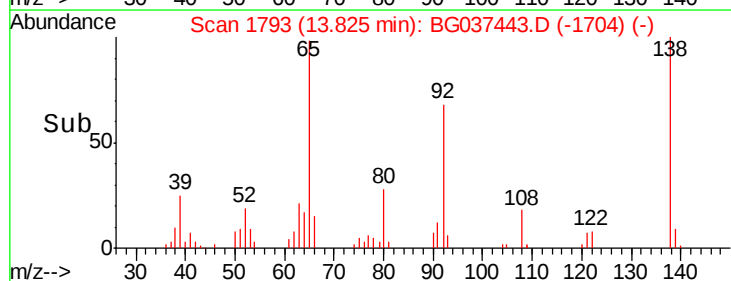
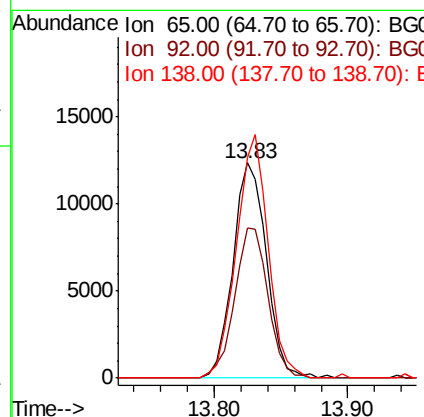
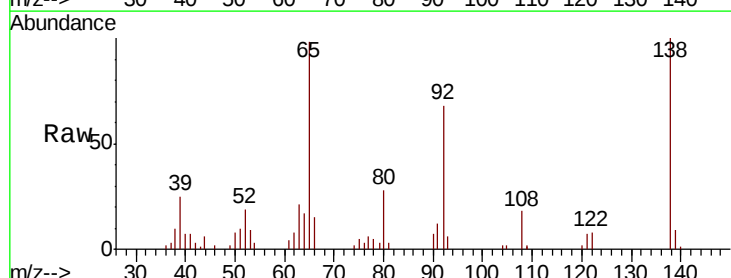
Manual Integrations
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#48
2-Nitroaniline
Concen: 7.285 ng
RT: 13.83 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Tgt Ion	Ratio	Lower	Upper
65	100		
92	69.7	53.2	79.8
138	102.3	79.3	118.9





#49

Acenaphthylene

Concen: 8.808 ng

RT: 14.47 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BG037443.D

Acq: 19 Oct 2018 7:06

Instrument :

BNA_G

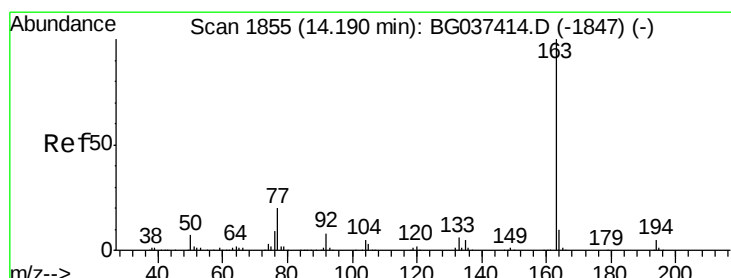
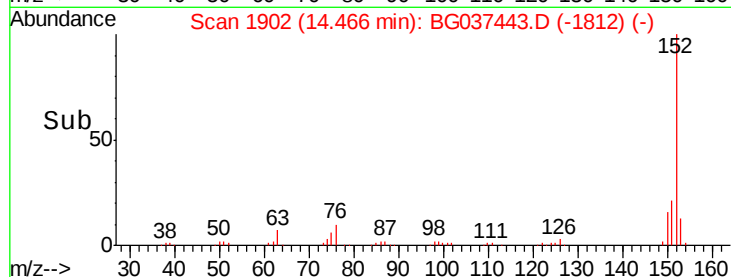
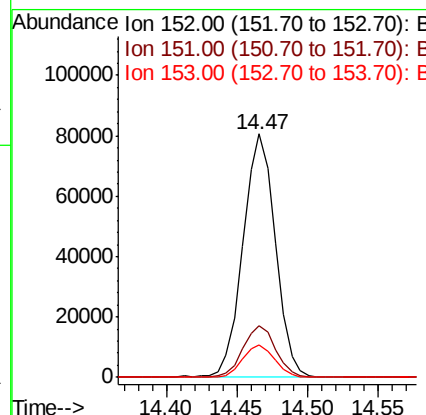
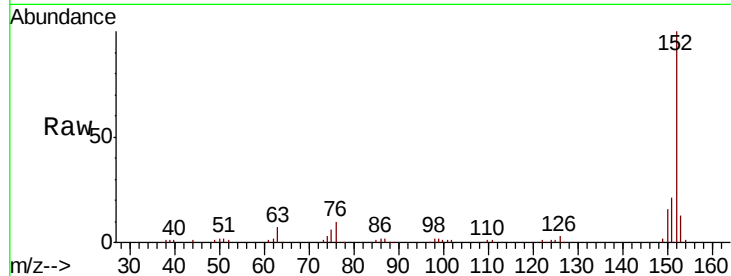
ClientSampleId :

MDL-WATER-03-QT4-2018

Tot Ion:	152	Resp:	129263
Ion Ratio	Lower	Upper	
152	100		
151	21.0	17.1	25.7
153	13.3	11.1	16.7

Manual Integrations
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#50

Dimethylphthalate

Concen: 8.359 ng

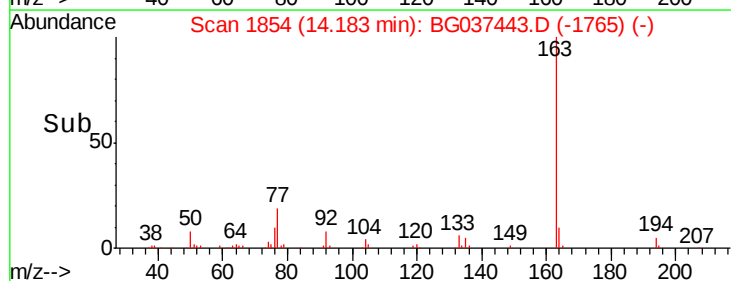
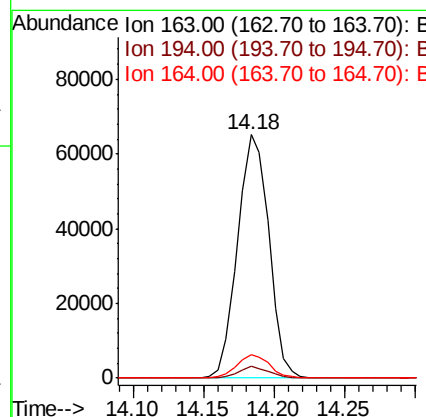
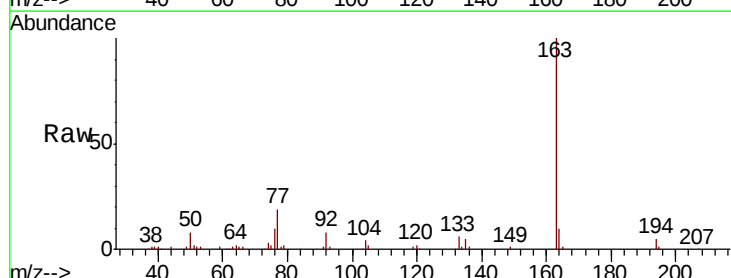
RT: 14.18 min Scan# 1854

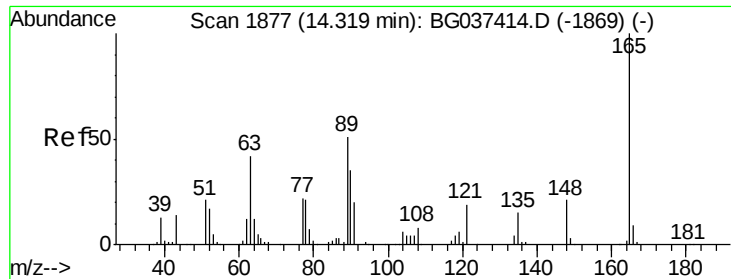
Delta R.T. -0.01 min

Lab File: BG037443.D

Acq: 19 Oct 2018 7:06

Tgt Ion:	163	Resp:	100696
Ion Ratio	Lower	Upper	
163	100		
194	4.9	3.5	5.3
164	9.7	8.5	12.7





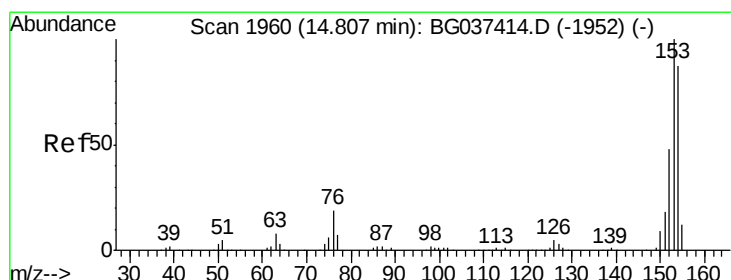
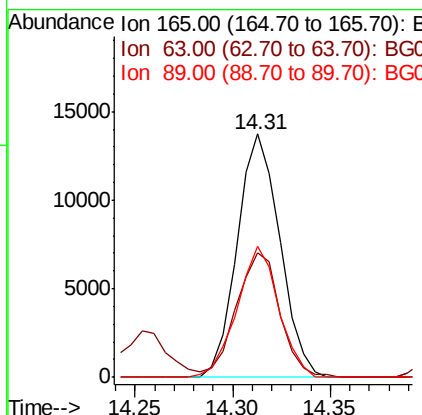
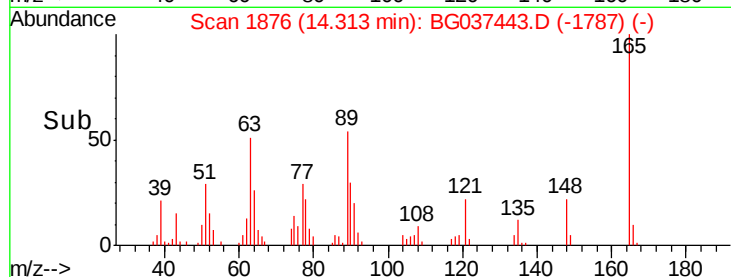
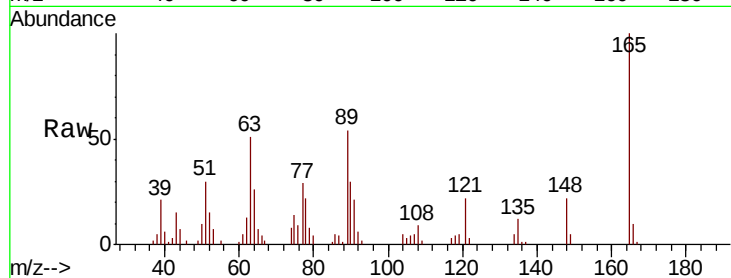
#51
2,6-Dinitrotoluene
Concen: 7.790 ng
RT: 14.31 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Resp	Lower	Upper
165	100	20759		
63	51.3		43.4	65.2
89	53.9		45.8	68.6

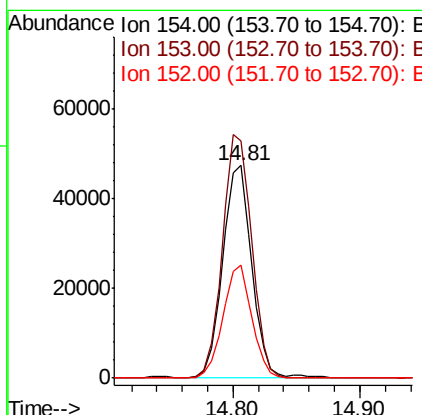
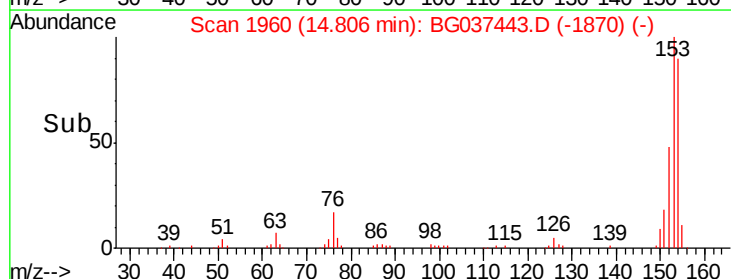
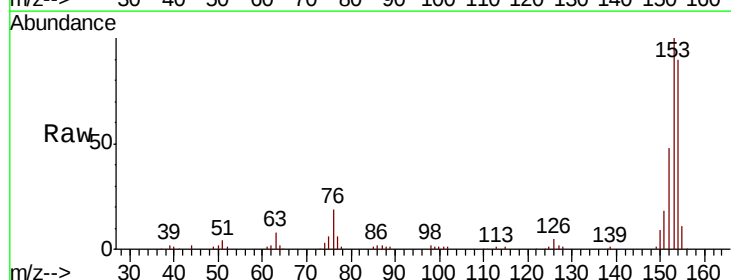
Manual Integrations
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#52
Acenaphthene
Concen: 8.322 ng
RT: 14.81 min Scan# 1960
Delta R.T. -0.00 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	75219		
153	111.6		93.4	140.0
152	53.4		44.7	67.1





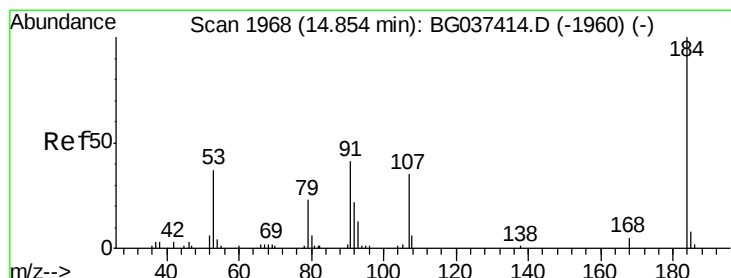
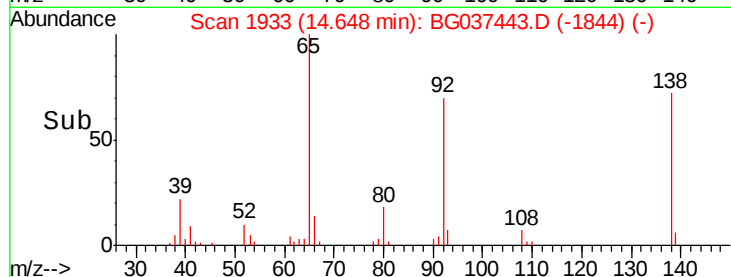
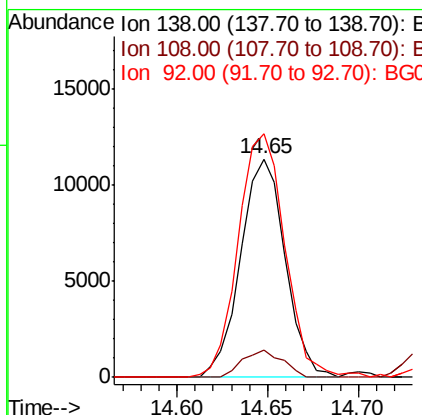
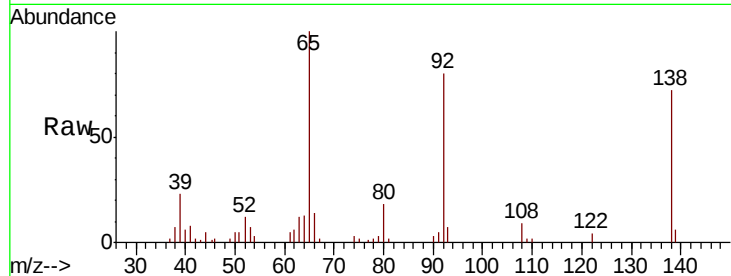
#53
3-Nitroaniline
Concen: 6.581 ng
RT: 14.65 min Scan# 1933
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
138	100		
108	12.2	11.0	16.6
92	111.4	95.2	142.8

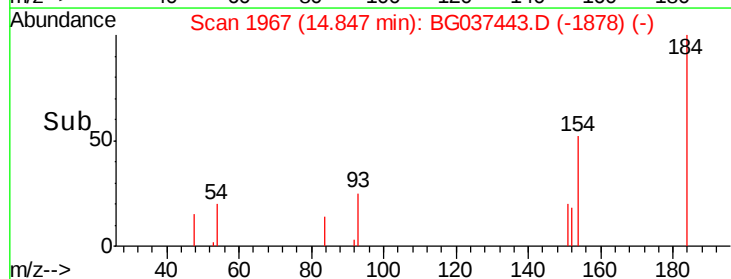
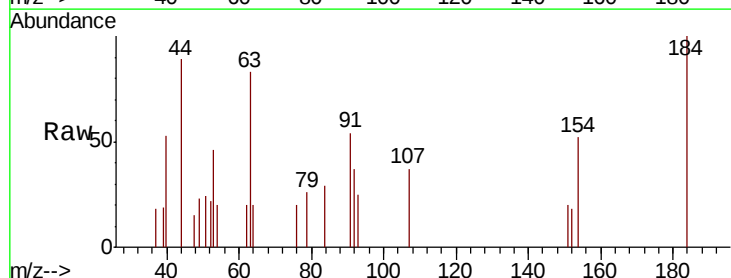
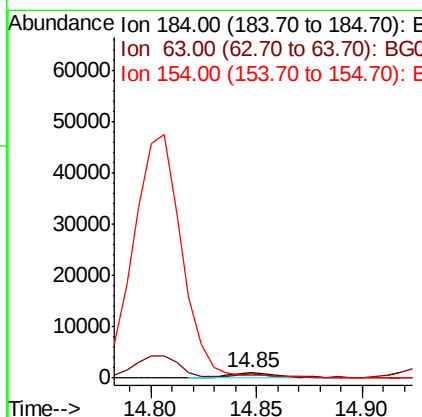
Manual Integrations
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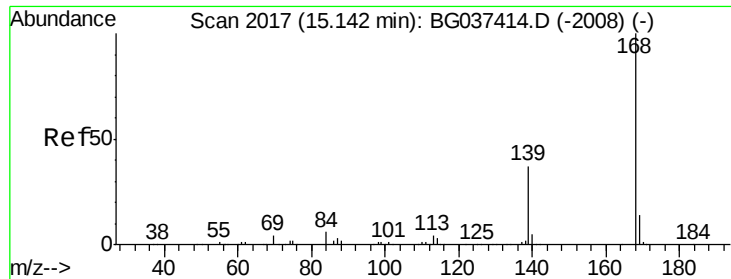
Sohil
10/19/2018 3:57:55 PM



#54
2,4-Dinitrophenol
Concen: 8.908 ng
RT: 14.85 min Scan# 1967
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Tgt Ion	Ratio	Lower	Upper
184	100		
63	83.5	42.6	63.8#
154	52.3	41.8	62.6





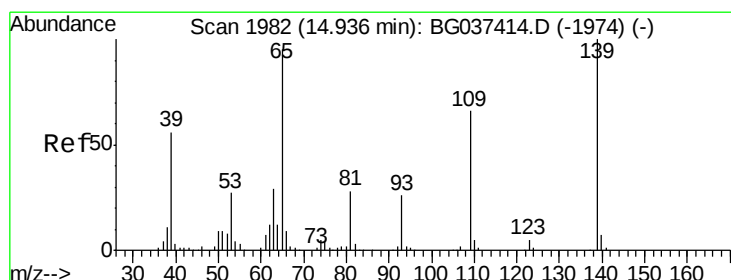
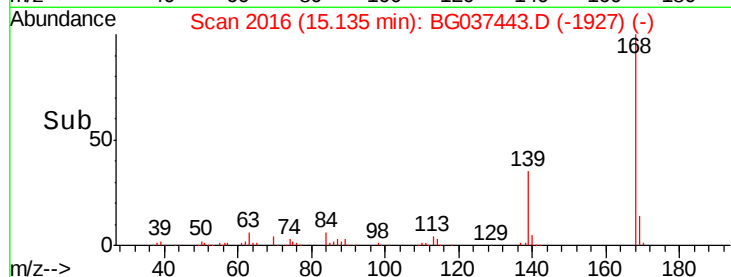
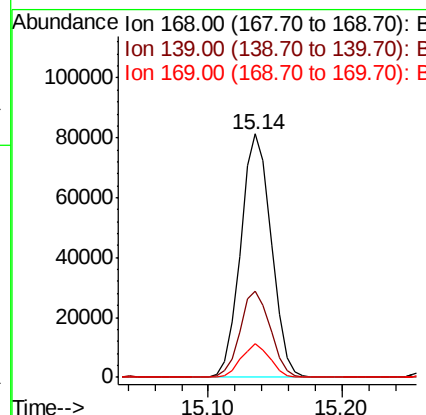
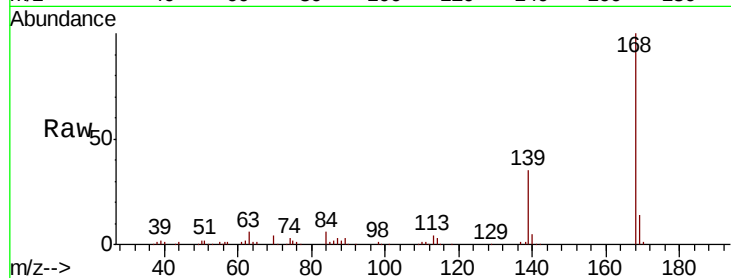
#55
Dibenzenofuran
Concen: 8.581 ng
RT: 15.14 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.3	29.4	44.0
169	14.0	11.0	16.6

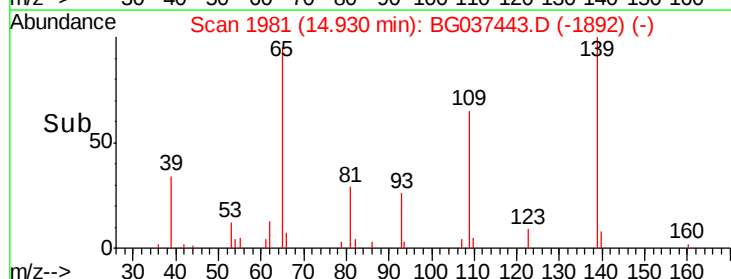
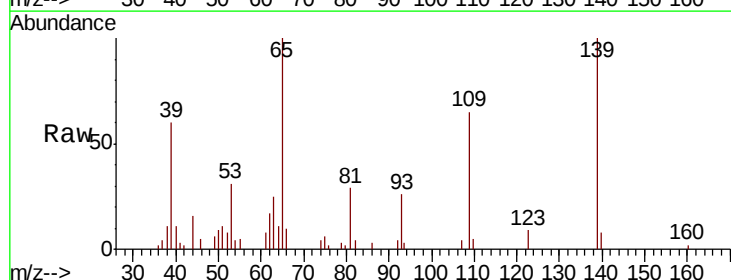
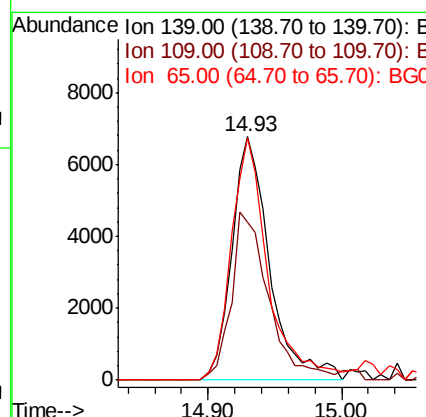
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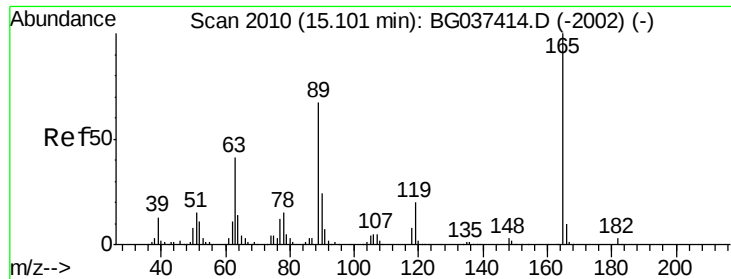
Sohil
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#56
4-Nitrophenol
Concen: 6.098 ng
RT: 14.93 min Scan# 1981
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Tgt Ion	Ratio	Lower	Upper
139	100		
109	64.7	49.5	89.5
65	99.6	76.8	116.8





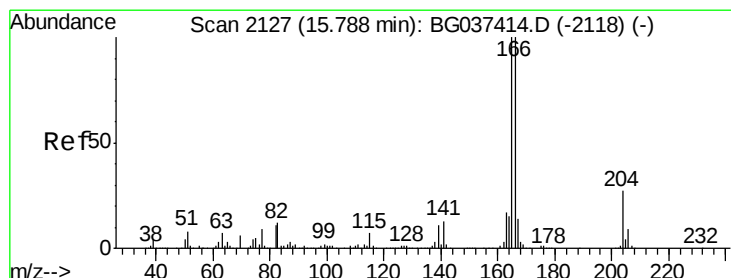
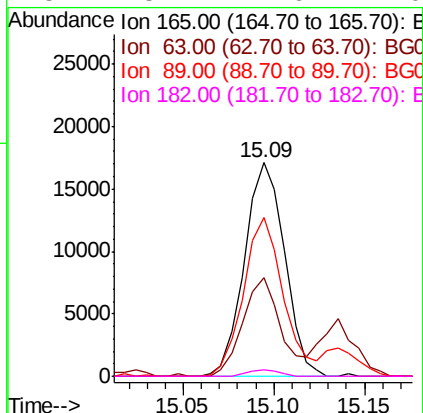
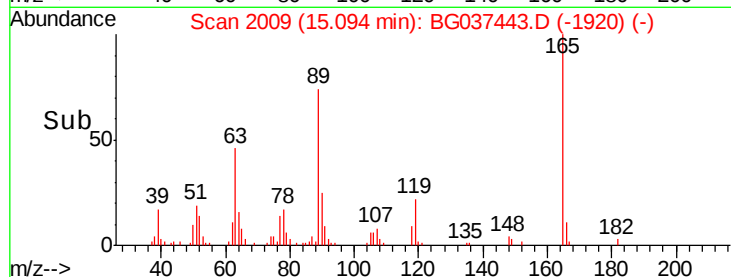
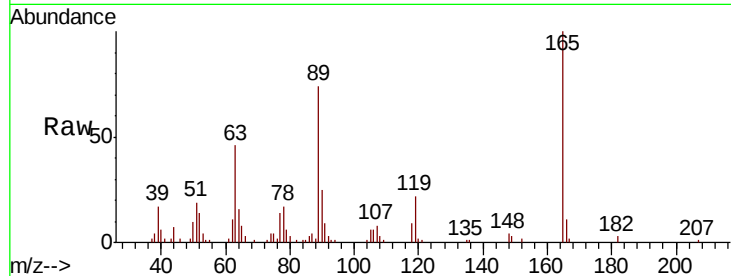
#57
2,4-Dinitrotoluene
Concen: 7.506 ng
RT: 15.09 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
165	100		
63	46.3	33.4	50.0
89	74.4	57.2	85.8
182	3.2	2.6	4.0

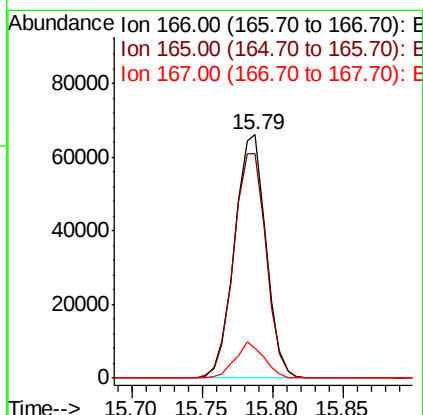
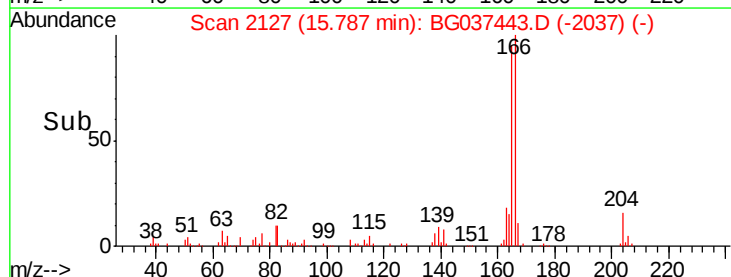
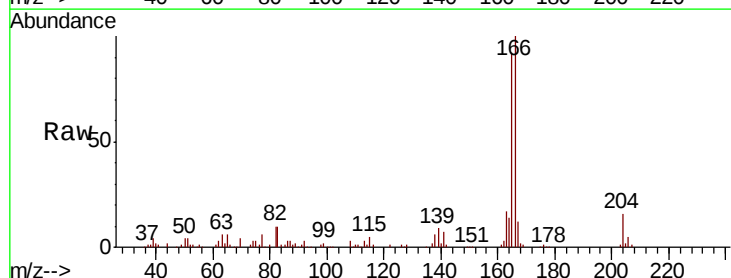
Manual Integrations
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#58
Fluorene
Concen: 9.122 ng
RT: 15.79 min Scan# 2127
Delta R.T. -0.00 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Tgt Ion	Ratio	Lower	Upper
166	100		
165	92.2	79.0	118.6
167	12.1	11.3	16.9





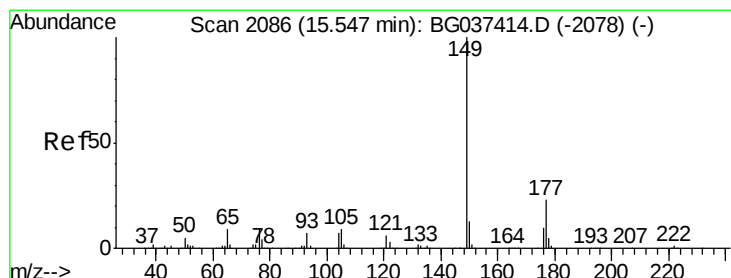
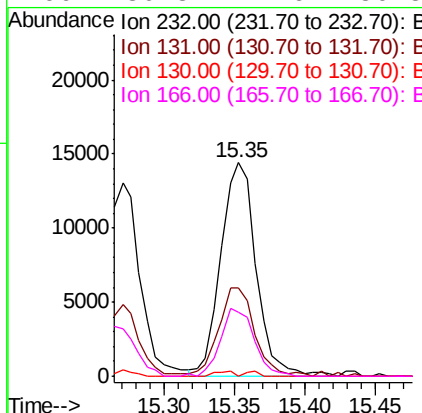
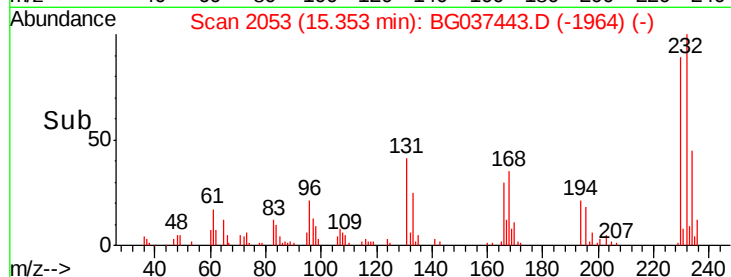
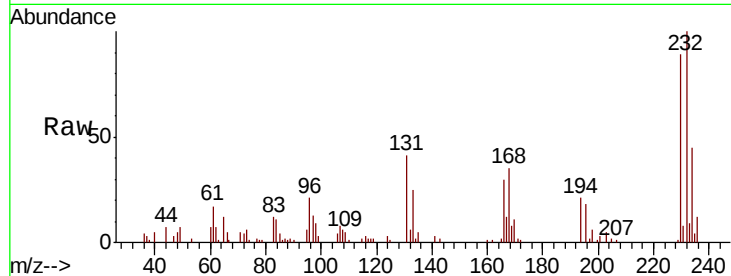
#59
2,3,4,6-Tetrachlorophenol
Concen: 8.051 ng
RT: 15.35 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
232	100		
131	42.2	33.7	50.5
130	1.3	2.1	3.1
166	30.3	24.6	36.8

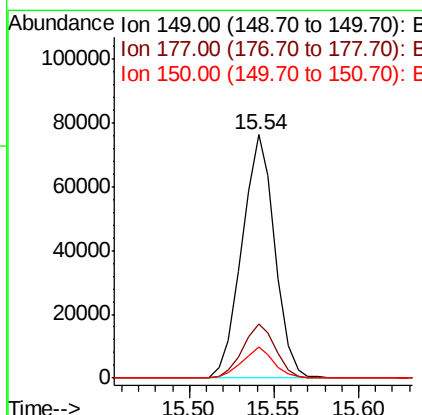
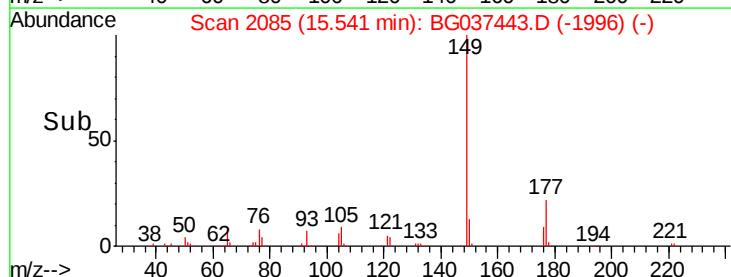
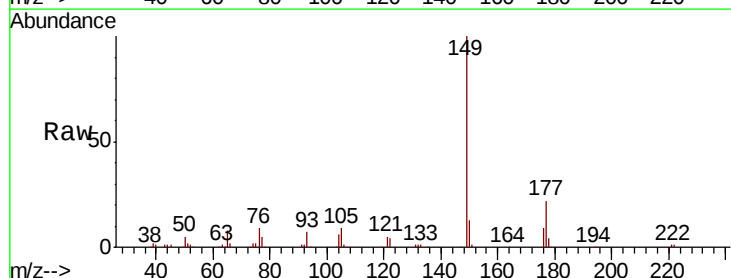
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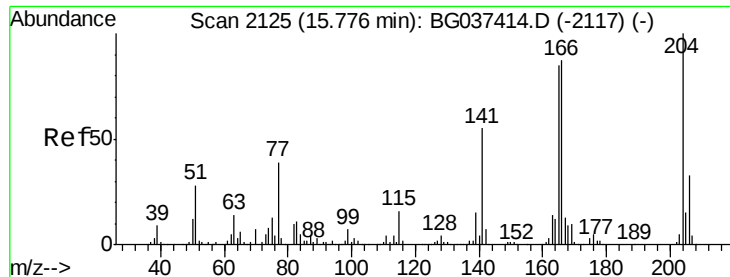
Sohil
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#60
Diethylphthalate
Concen: 8.341 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.1	18.3	27.5
150	12.6	10.0	15.0





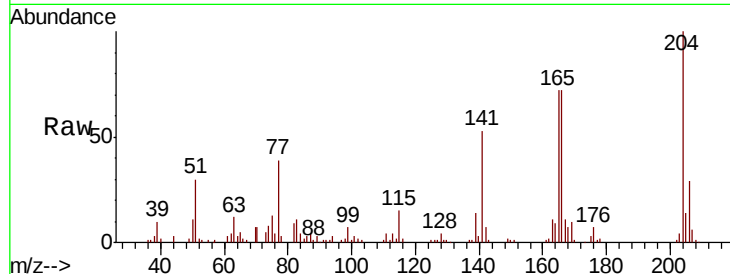
#61
4-Chlorophenyl-phenylether
Concen: 8.124 ng
RT: 15.77 min Scan# 2124
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
204	100		
206	29.4	26.6	39.8
141	52.6	45.4	68.2

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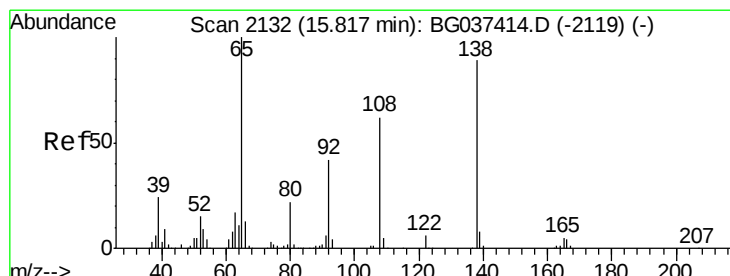
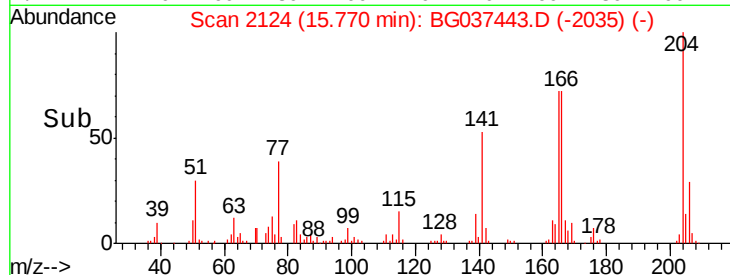
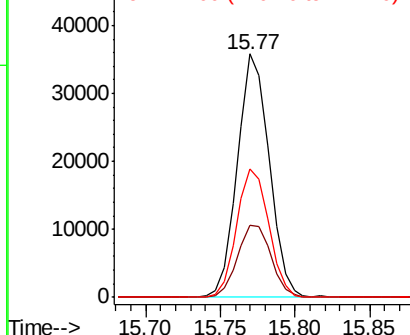


Abundance

Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 7.594 ng
RT: 15.81 min Scan# 2130
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

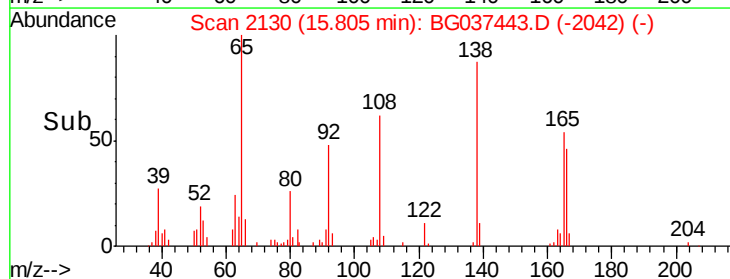
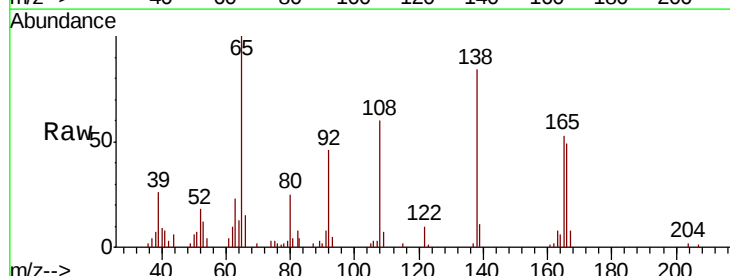
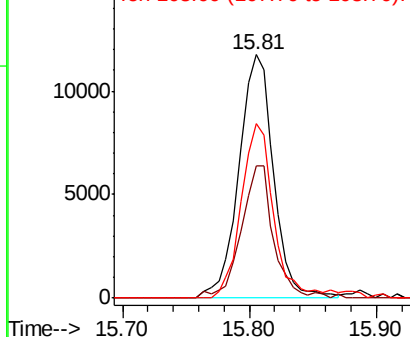
Tgt Ion	Ratio	Lower	Upper
138	100		
92	54.6	36.4	76.4
108	71.6	60.1	100.1

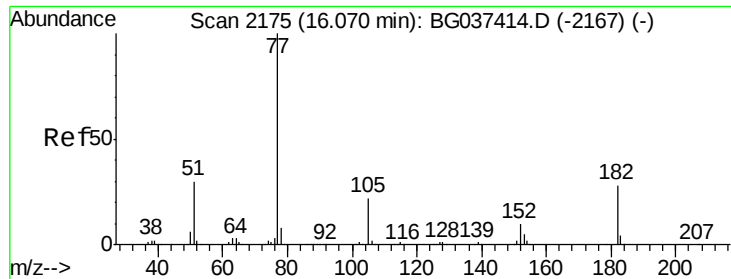
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





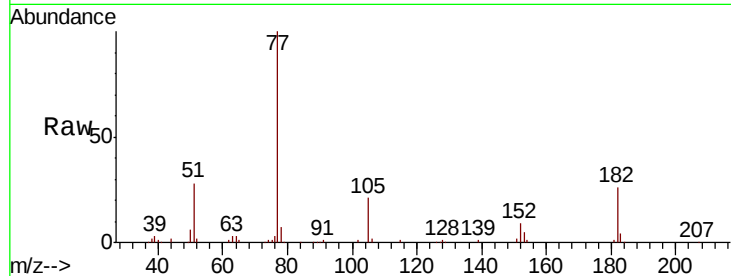
#63
Azobenzene
Concen: 8.508 ng
RT: 16.06 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT4-2018

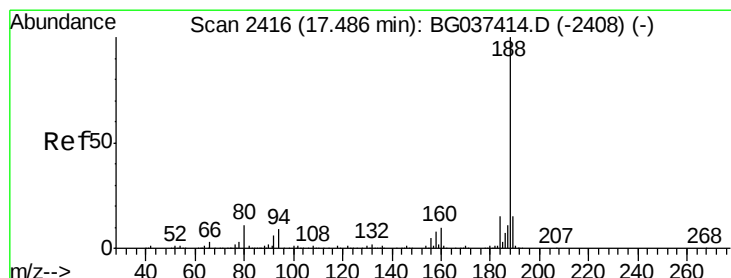
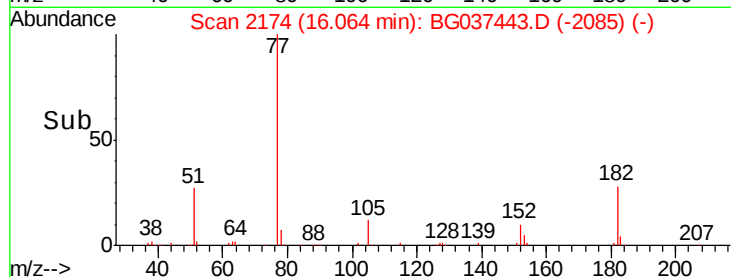
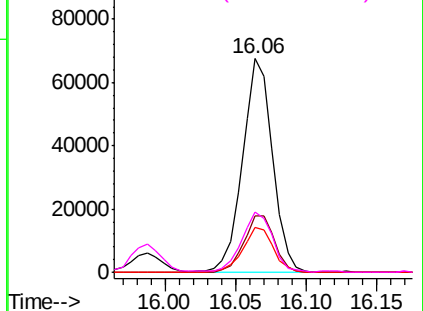
Tot Ion	Ratio	Lower	Upper
77	100		
182	26.5	8.0	48.0
105	21.3	1.3	41.3
51	28.0	10.7	50.7

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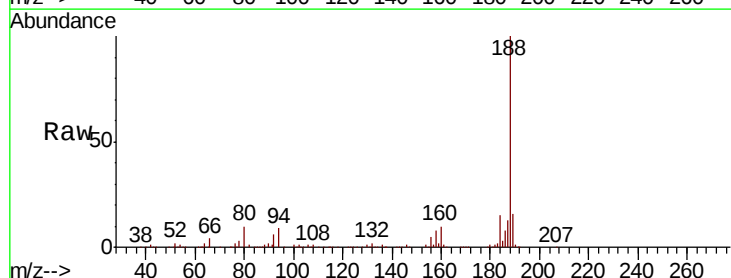


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

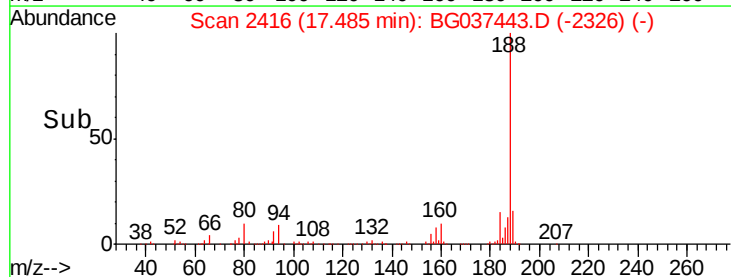
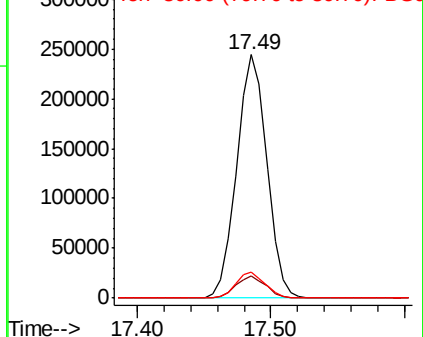


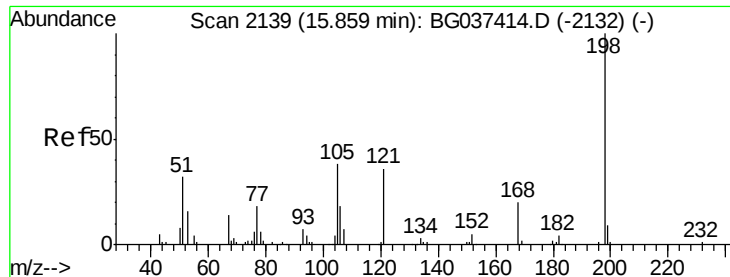
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2416
Delta R.T. -0.00 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.2	10.8
80	10.5	7.7	11.5



Abundance Ion 188.00 (187.70 to 188.70): BGC
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 11.372 ng

RT: 15.85 min Scan# 2138

Delta R.T. -0.01 min

Lab File: BG037443.D

Acq: 19 Oct 2018 7:06

Instrument :

BNA_G

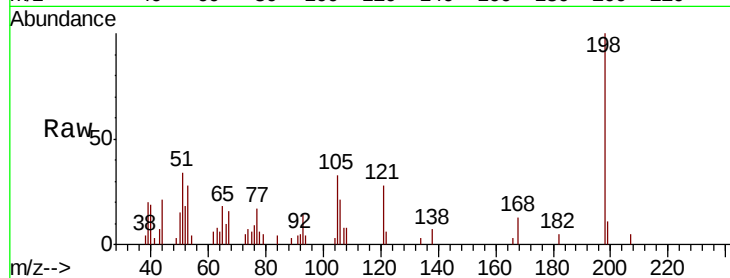
ClientSampleId :

MDL-WATER-03-QT4-2018

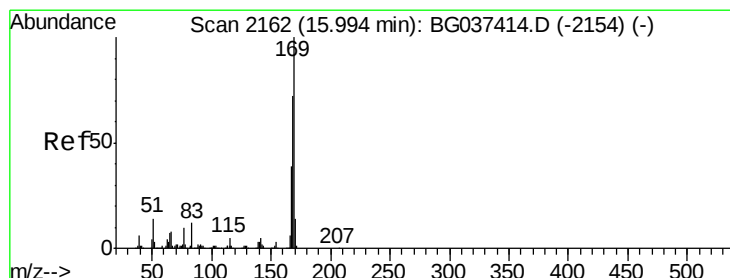
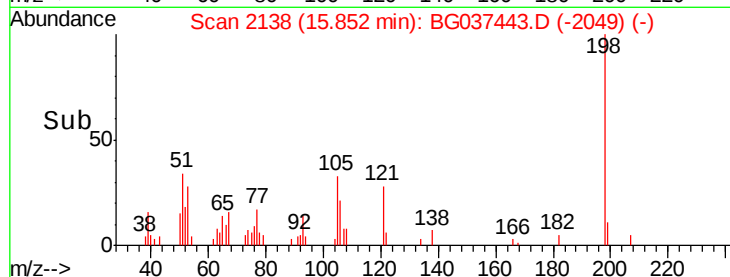
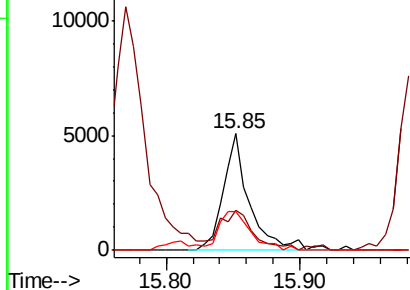
Tot Ion:	198	Resp:	6960
Ion Ratio	Lower	Upper	
198	100		
51	34.4	22.7	62.7
105	33.2	19.7	59.7

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Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 7.847 ng

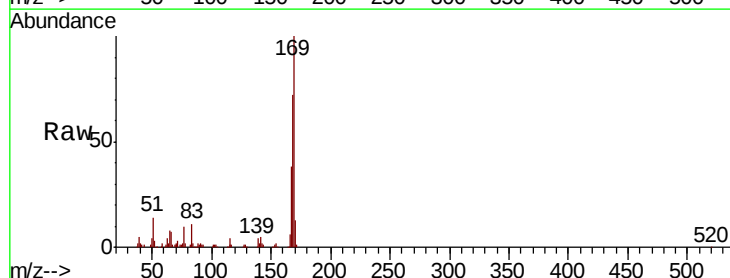
RT: 15.99 min Scan# 2161

Delta R.T. -0.01 min

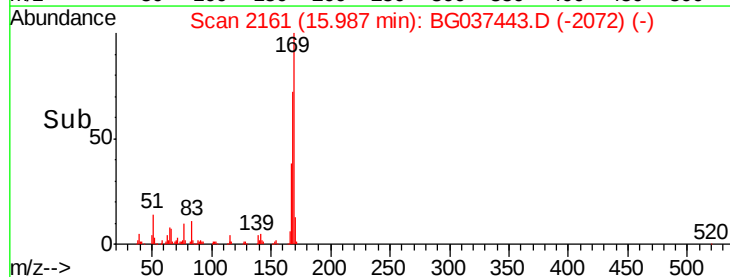
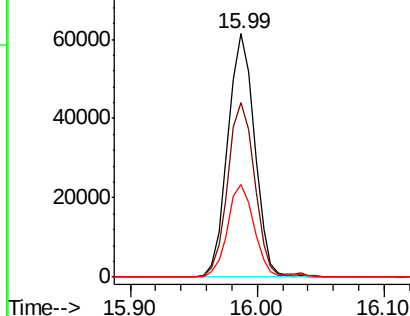
Lab File: BG037443.D

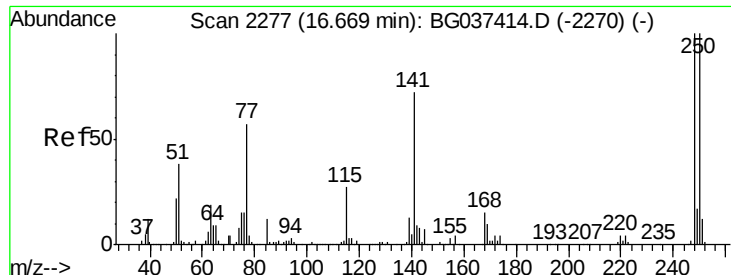
Acq: 19 Oct 2018 7:06

Tgt Ion:	169	Resp:	89923
Ion Ratio	Lower	Upper	
169	100		
168	71.5	55.7	83.5
167	38.2	31.3	46.9



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





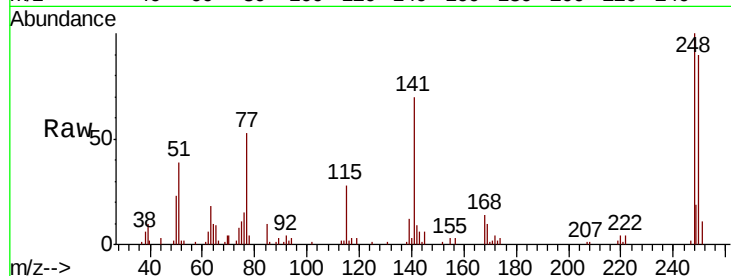
#67
4-Bromophenyl-phenylether
Concen: 7.528 ng
RT: 16.67 min Scan# 2277
Delta R.T. -0.00 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
248	100		
250	89.7	77.0	115.6
141	69.8	55.5	83.3

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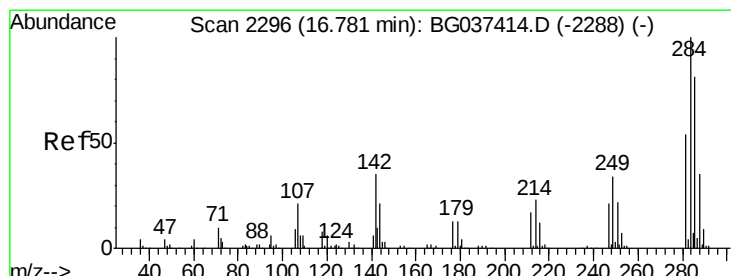
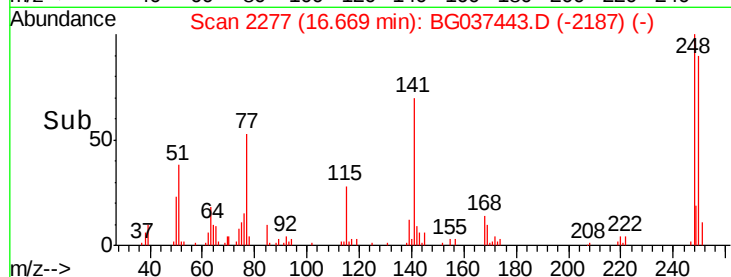
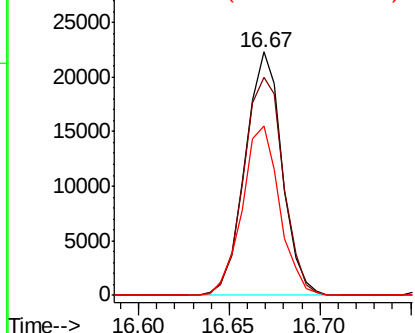


Abundance

Ion 248.00 (247.70 to 248.70): E

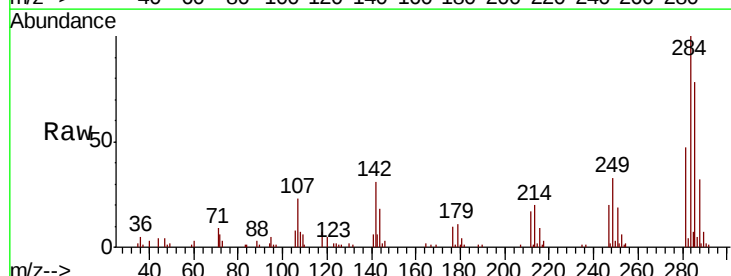
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 7.524 ng
RT: 16.78 min Scan# 2296
Delta R.T. -0.00 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.1	28.1	42.1
249	35.7	29.8	44.8

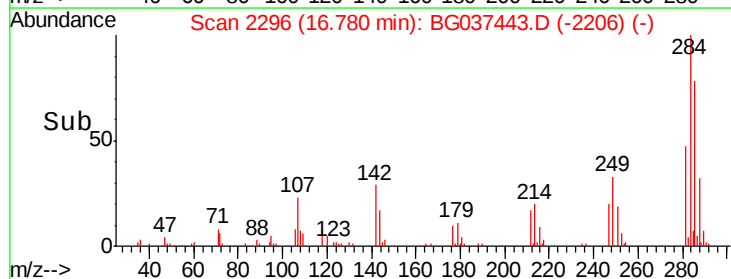
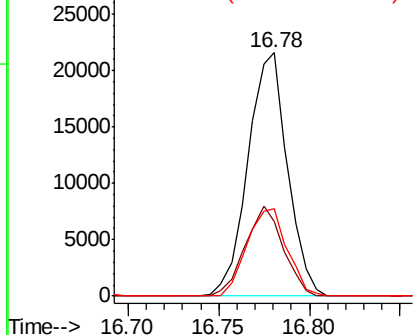


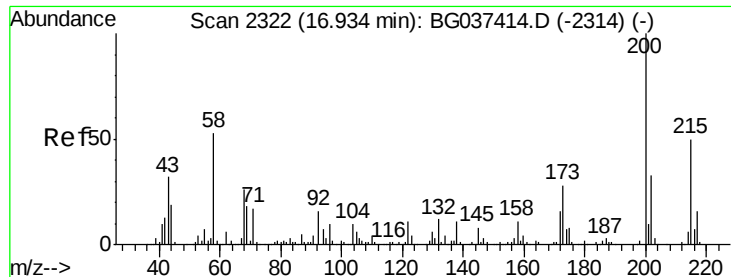
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





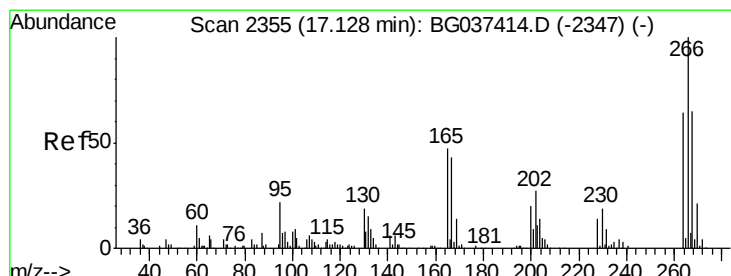
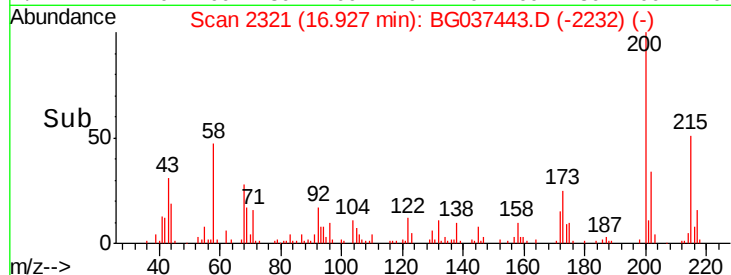
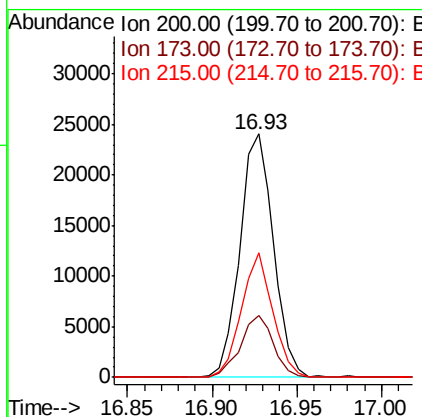
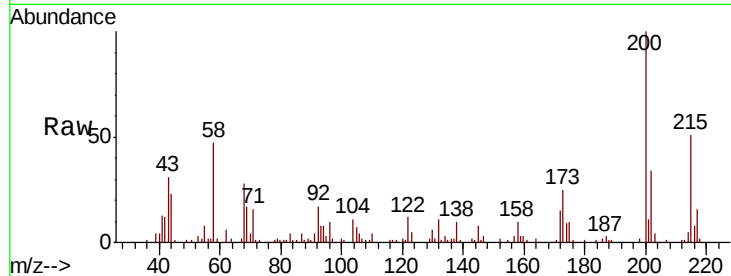
#69
Atrazine
Concen: 7.997 ng
RT: 16.93 min Scan# 2321
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
200	100		
173	25.2	6.1	46.1
215	51.0	30.8	70.8

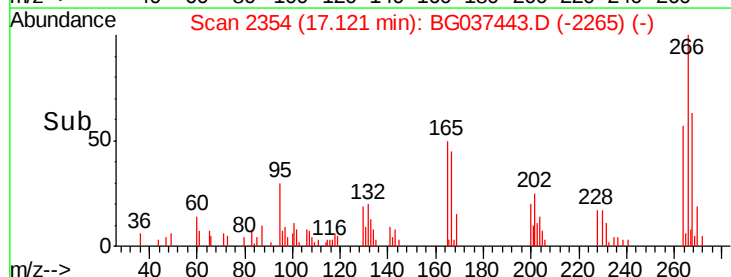
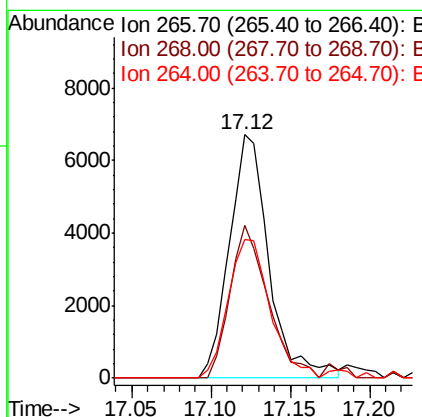
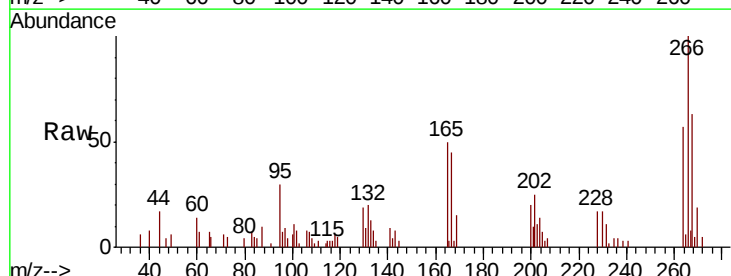
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#70
Pentachlorophenol
Concen: 3.997 ng
RT: 17.12 min Scan# 2354
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Tgt Ion	Ratio	Lower	Upper
266	100		
268	68.0	55.0	82.6
264	57.0	58.9	88.3#





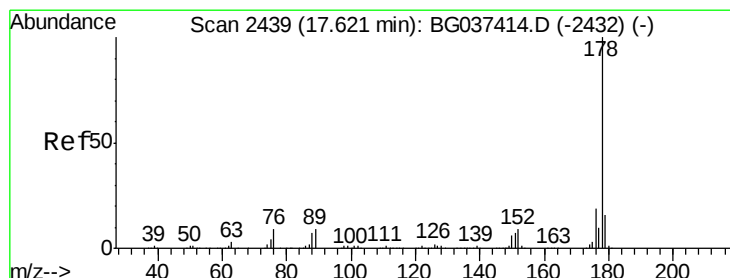
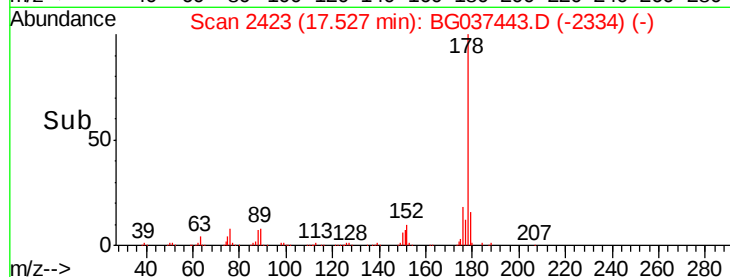
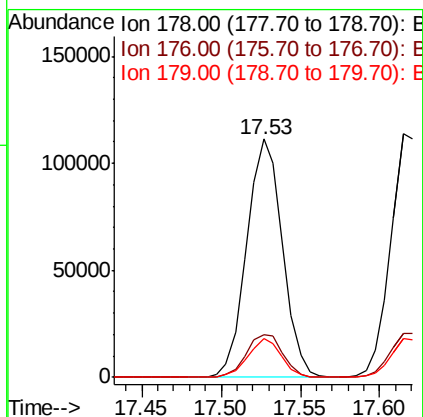
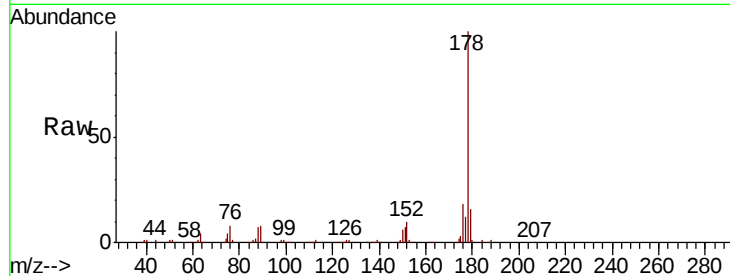
#71
Phenanthrene
Concen: 8.980 ng
RT: 17.53 min Scan# 2423
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	16.1	24.1
179	16.3	13.0	19.4

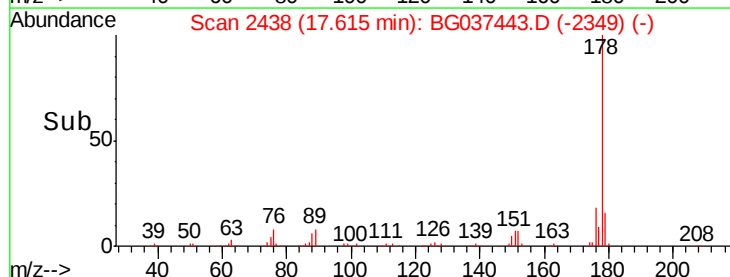
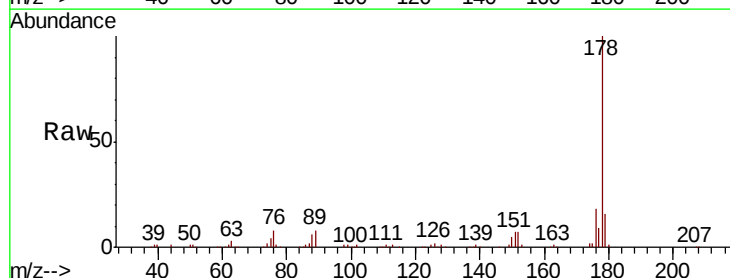
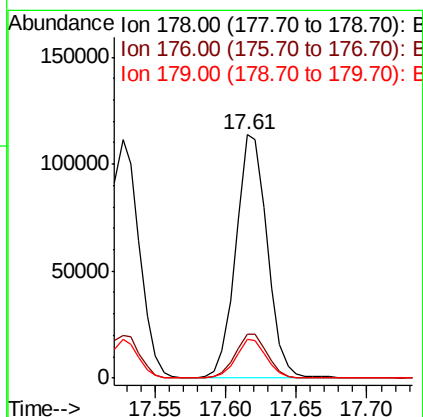
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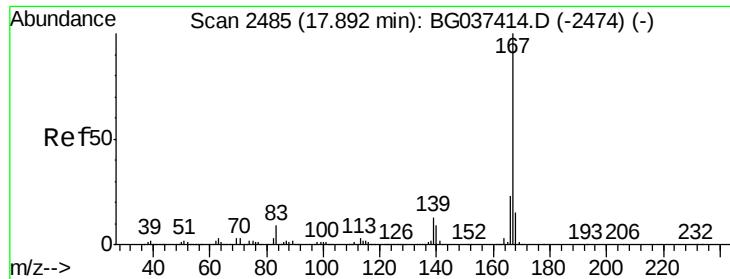
Sohil
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#72
Anthracene
Concen: 9.263 ng
RT: 17.61 min Scan# 2438
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.4
179	15.7	12.8	19.2





#73

Carbazole

Concen: 8.079 ng

RT: 17.89 min Scan# 2485

Delta R.T. -0.00 min

Lab File: BG037443.D

Acq: 19 Oct 2018 7:06

Instrument :

BNA_G

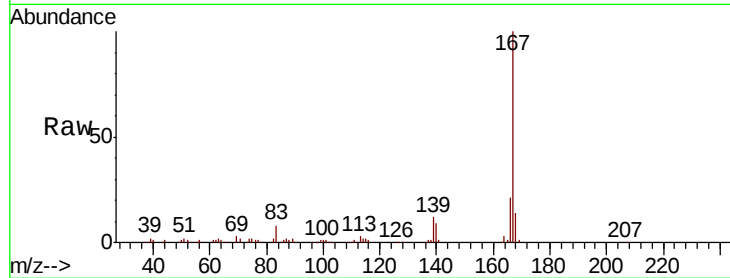
ClientSampleId :

MDL-WATER-03-QT4-2018

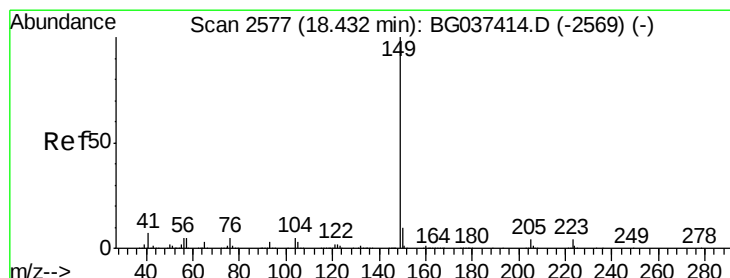
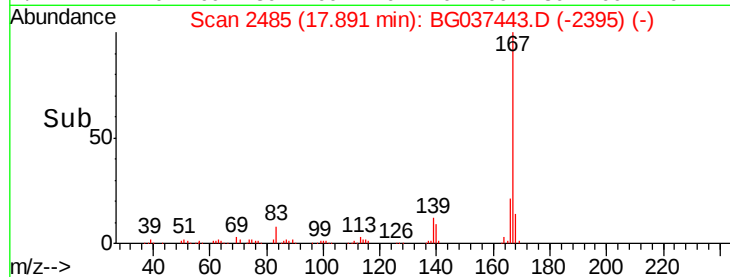
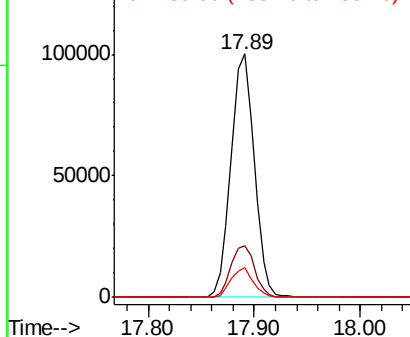
Tot Ion:	167	Resp:	153562
Ion Ratio	Lower	Upper	
167	100		
166	21.4	18.3	27.5
139	12.1	10.5	15.7

Manual Integrations
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 8.134 ng

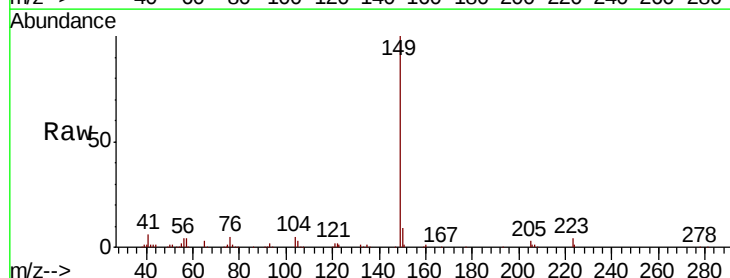
RT: 18.43 min Scan# 2577

Delta R.T. -0.00 min

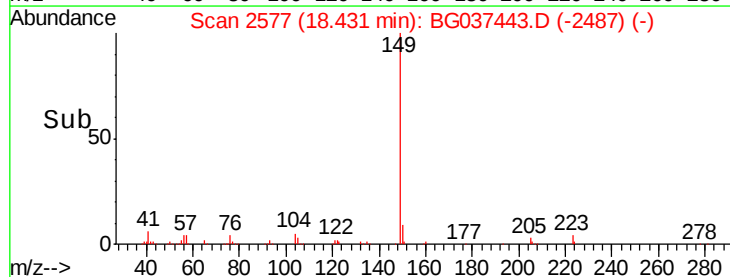
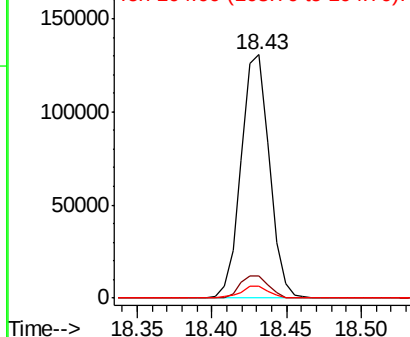
Lab File: BG037443.D

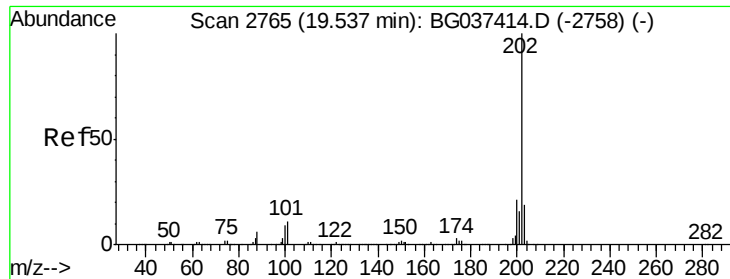
Acq: 19 Oct 2018 7:06

Tgt Ion:	149	Resp:	171989
Ion Ratio	Lower	Upper	
149	100		
150	9.0	8.2	12.2
104	4.9	4.0	6.0



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 8.915 ng

RT: 19.53 min Scan# 2764

Delta R.T. -0.01 min

Lab File: BG037443.D

Acq: 19 Oct 2018 7:06

Instrument :

BNA_G

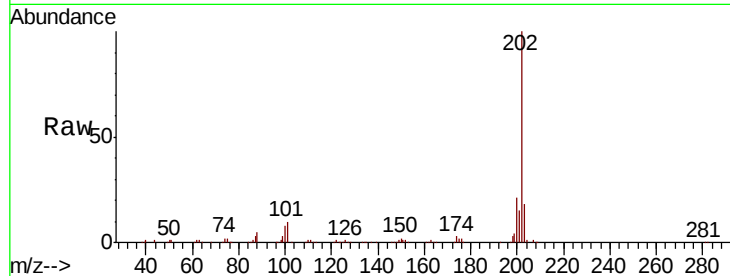
ClientSampleId :

MDL-WATER-03-QT4-2018

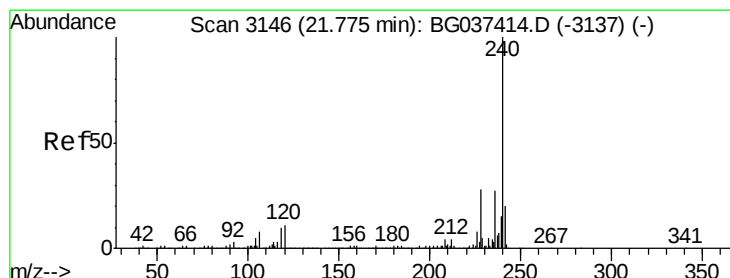
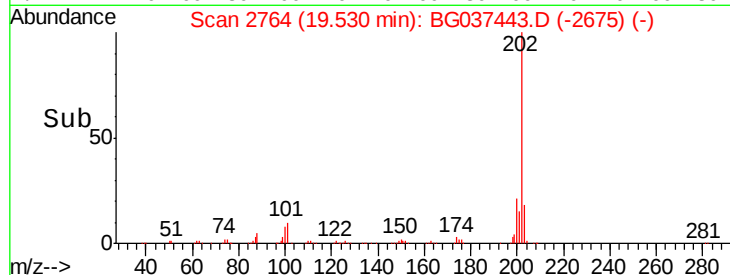
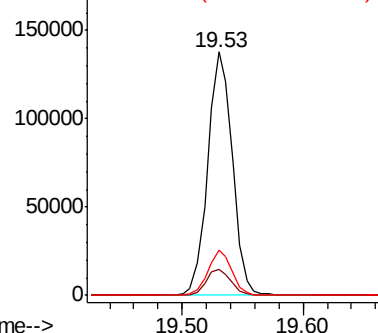
Tot Ion:	202	Resp:	195773
Ion Ratio		Lower	Upper
202	100		
101	10.4	0.0	30.7
203	18.4	0.0	38.5

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

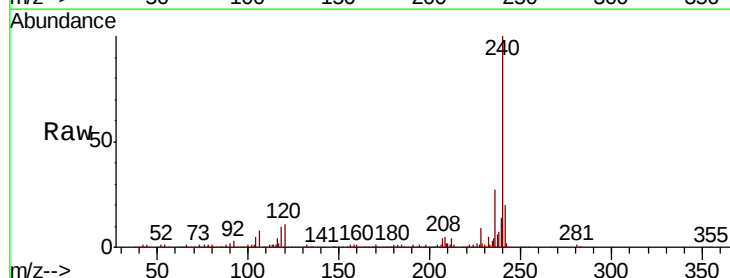
RT: 21.77 min Scan# 3145

Delta R.T. -0.01 min

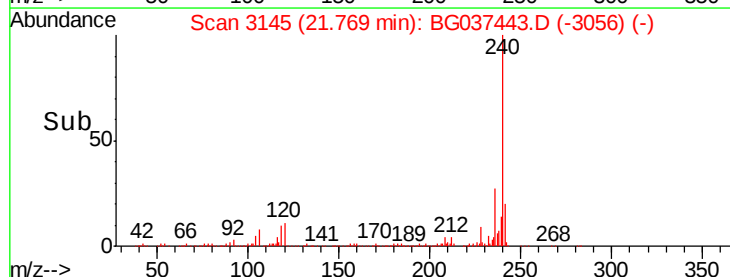
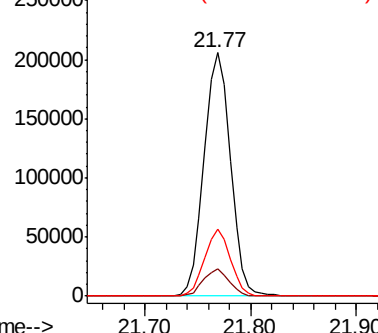
Lab File: BG037443.D

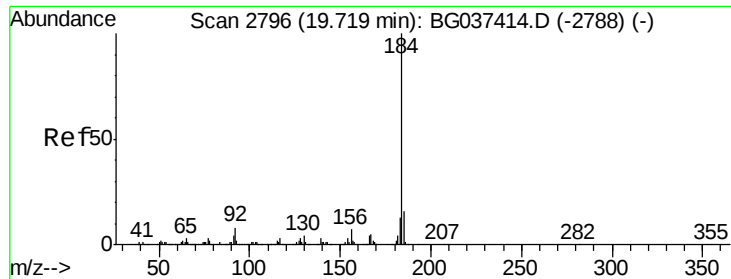
Acq: 19 Oct 2018 7:06

Tgt Ion:	240	Resp:	356610
Ion Ratio		Lower	Upper
240	100		
120	11.1	8.1	12.1
236	27.4	21.4	32.0



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





#77

Benzidine

Concen: 2.374 ng

RT: 19.71 min Scan# 2795

Delta R.T. -0.01 min

Lab File: BG037443.D

Acq: 19 Oct 2018 7:06

Instrument :

BNA_G

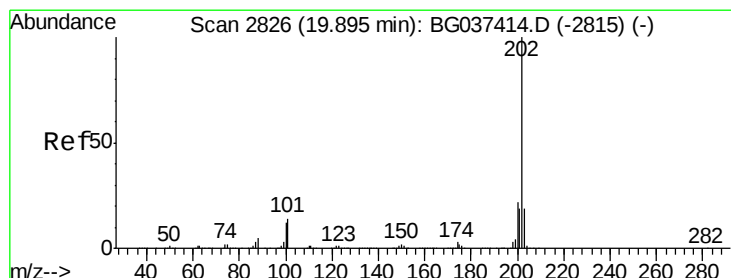
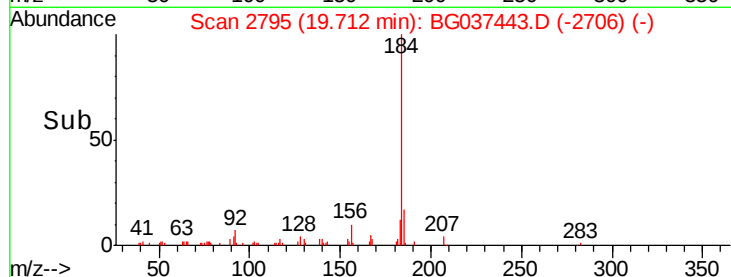
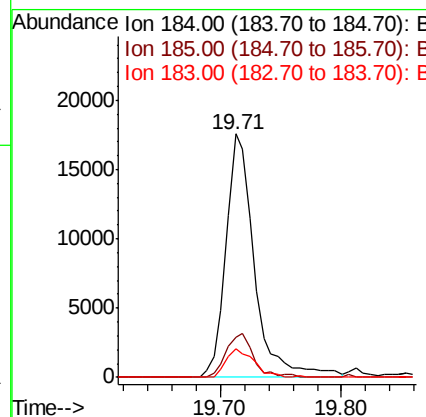
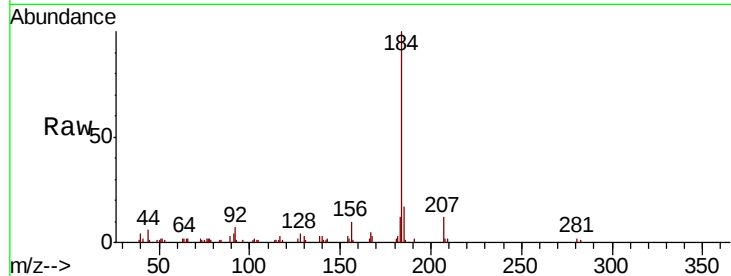
ClientSampleId :

MDL-WATER-03-QT4-2018

Tot Ion:	184	Resp:	28785
Ion Ratio	Lower	Upper	
184	100		
185	16.7	12.6	18.8
183	11.7	10.2	15.2

Manual Integrations
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#78

Pyrene

Concen: 8.661 ng

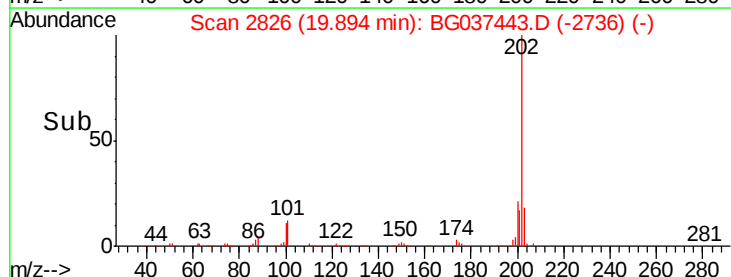
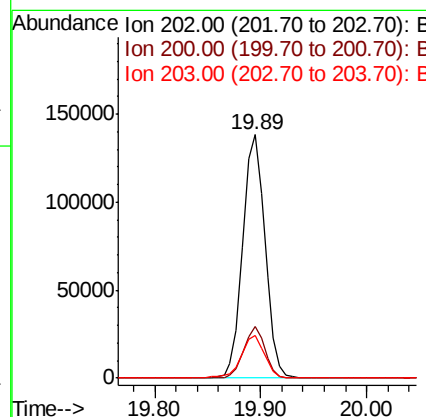
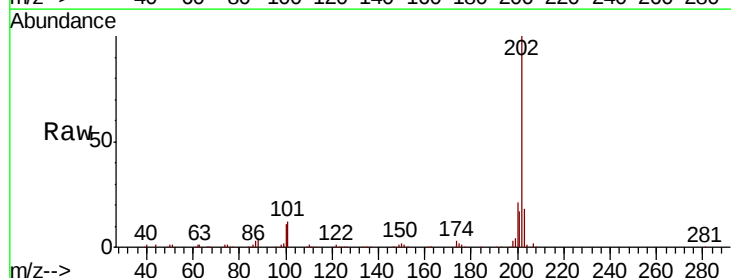
RT: 19.89 min Scan# 2826

Delta R.T. -0.00 min

Lab File: BG037443.D

Acq: 19 Oct 2018 7:06

Tgt Ion:	202	Resp:	201913
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.8	26.6
203	17.7	15.2	22.8





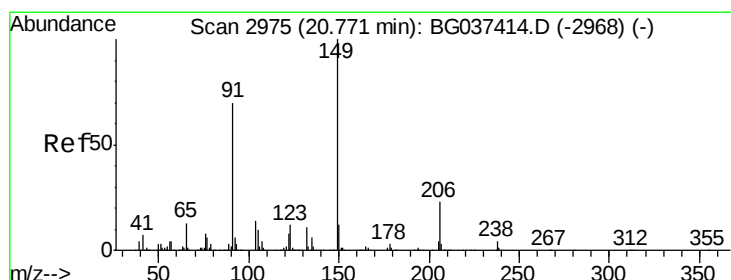
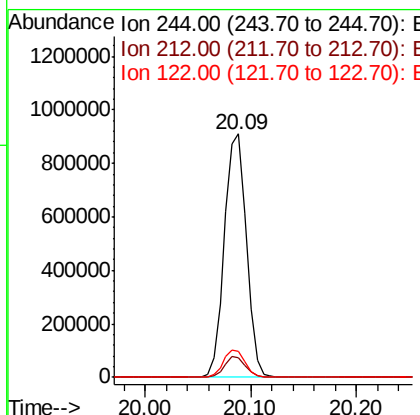
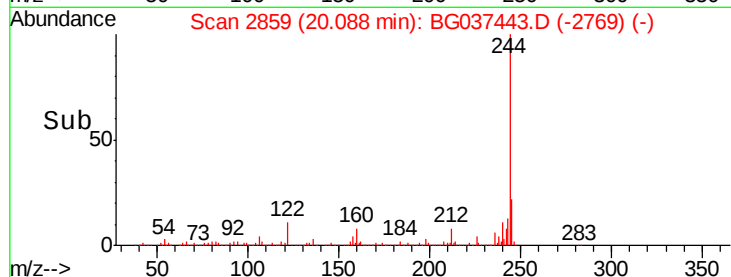
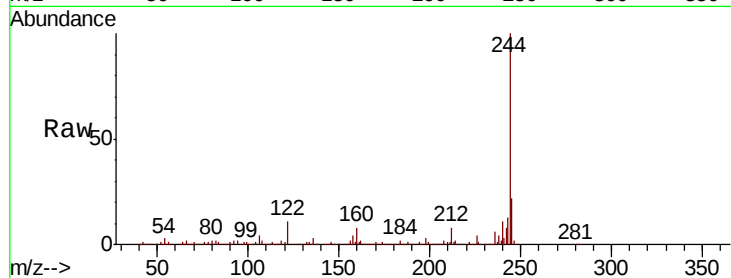
#79
 Terphenyl-d14
 Concen: 78.724 ng
 RT: 20.09 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: BG037443.D
 Acq: 19 Oct 2018 7:06

Instrument :
 BNA_G
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.5	9.7
122	10.9	9.0	13.4

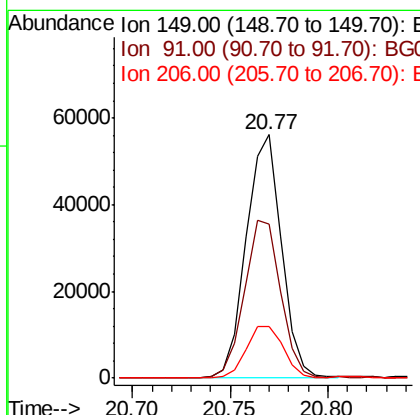
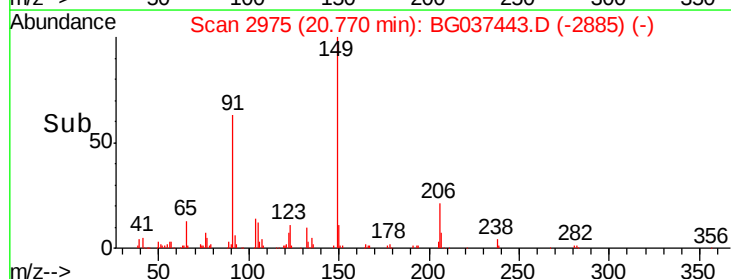
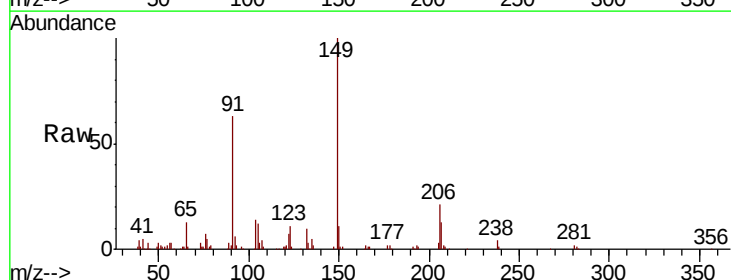
Manual Integrations
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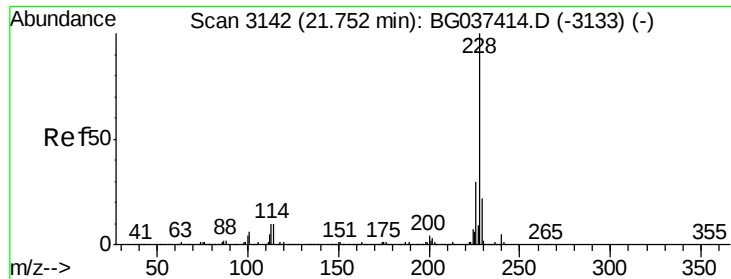
Sohil
 10/19/2018 3:57:55 PM



#80
 Butylbenzylphthalate
 Concen: 7.378 ng
 RT: 20.77 min Scan# 2975
 Delta R.T. -0.00 min
 Lab File: BG037443.D
 Acq: 19 Oct 2018 7:06

Tgt Ion	Ratio	Lower	Upper
149	100		
91	63.5	57.0	85.4
206	21.1	17.8	26.6





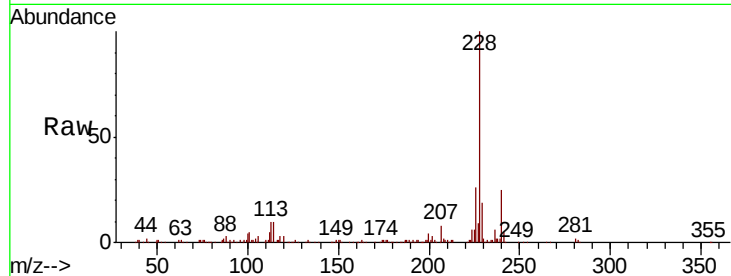
#81
Benzo(a)anthracene
Concen: 8.778 ng
RT: 21.75 min Scan# 3141
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.2	22.6	33.8
229	19.3	16.3	24.5

Manual Integrations
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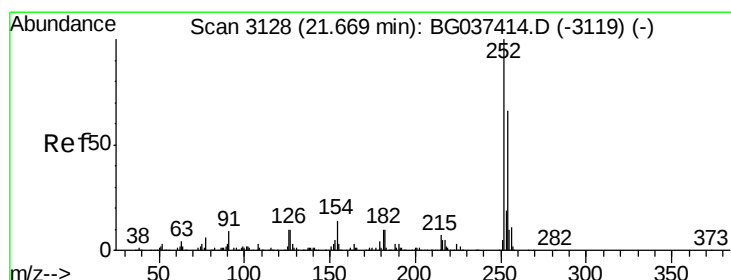
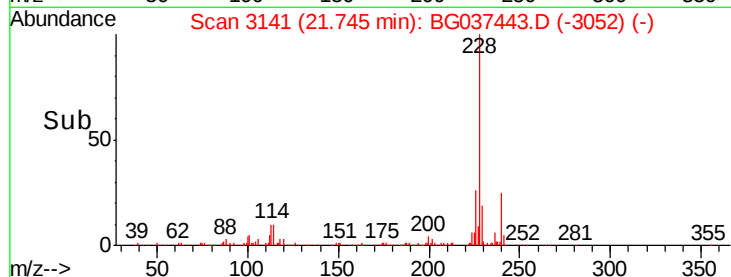
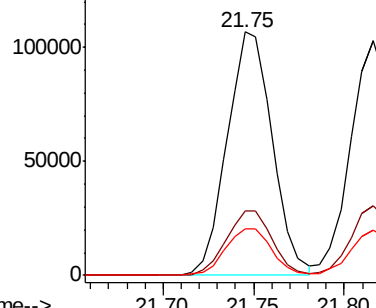


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
3,3'-Dichlorobenzidine
Concen: 5.518 ng
RT: 21.66 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

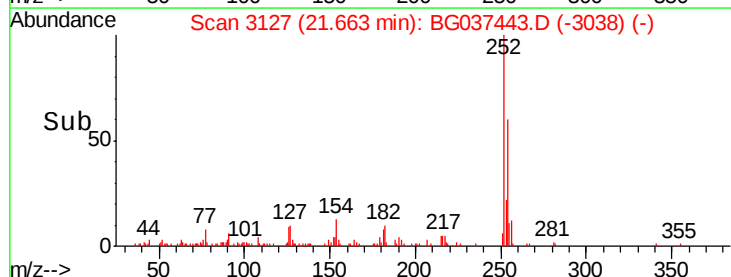
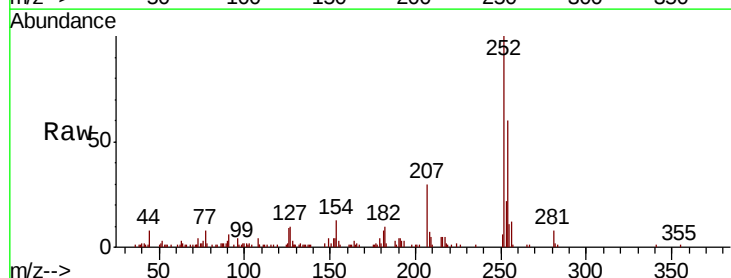
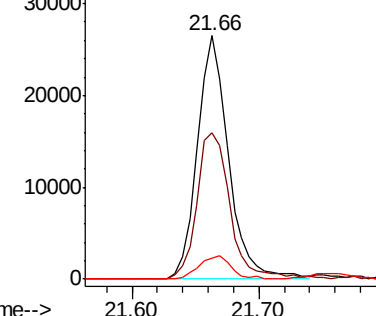
Tgt Ion	Ratio	Lower	Upper
252	100		
254	60.0	52.0	78.0
126	8.8	8.2	12.4

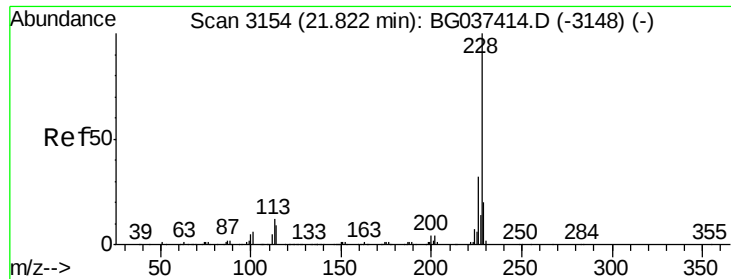
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





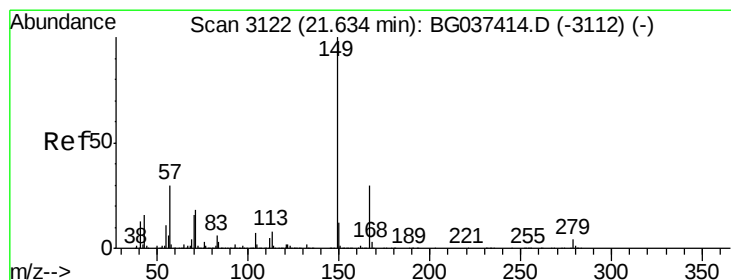
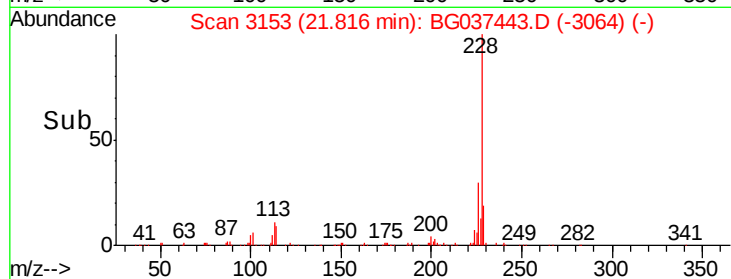
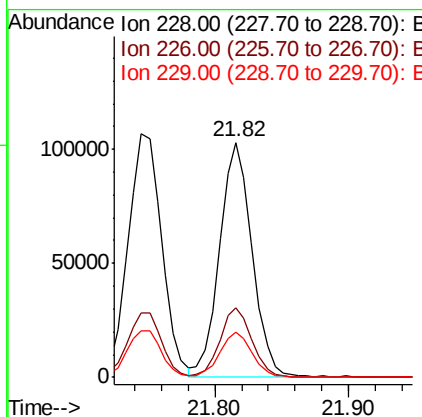
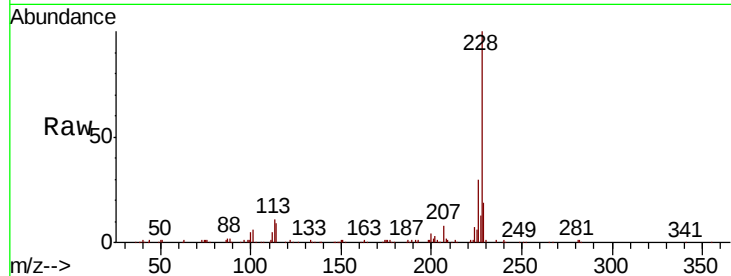
#83
 Chrysene
 Concen: 8.656 ng
 RT: 21.82 min Scan# 3153
 Delta R.T. -0.01 min
 Lab File: BG037443.D
 Acq: 19 Oct 2018 7:06

Instrument :
 BNA_G
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.7	38.5
229	19.1	16.5	24.7

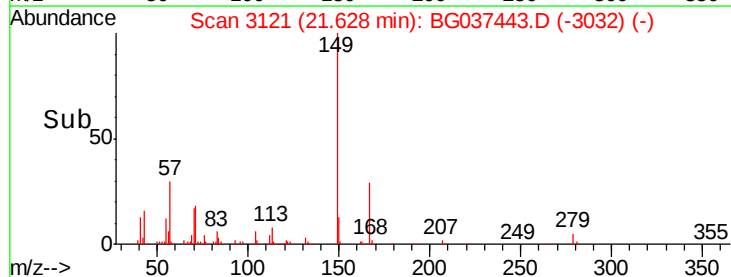
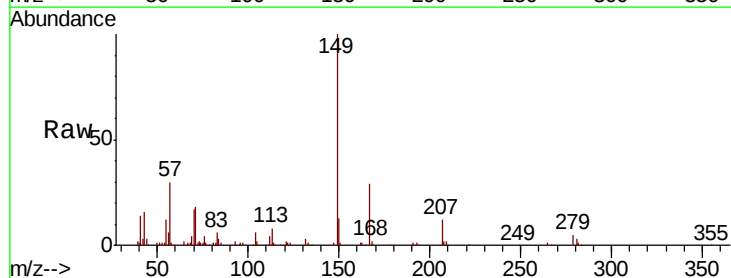
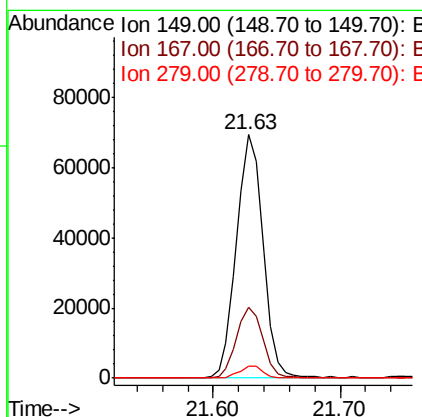
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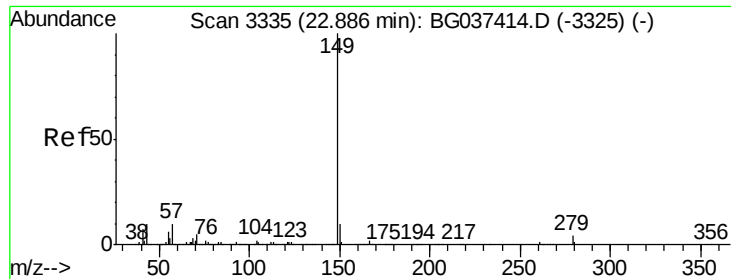
Sohil
 10/19/2018 3:57:55 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 7.557 ng
 RT: 21.63 min Scan# 3121
 Delta R.T. -0.01 min
 Lab File: BG037443.D
 Acq: 19 Oct 2018 7:06

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.2	23.0	34.4
279	4.7	3.6	5.4





#85

Di-n-octyl phthalate

Concen: 7.590 ng

RT: 22.88 min Scan# 3334

Delta R.T. -0.01 min

Lab File: BG037443.D

Acq: 19 Oct 2018 7:06

Instrument :

BNA_G

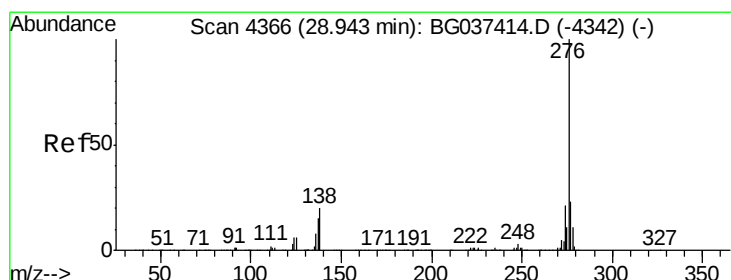
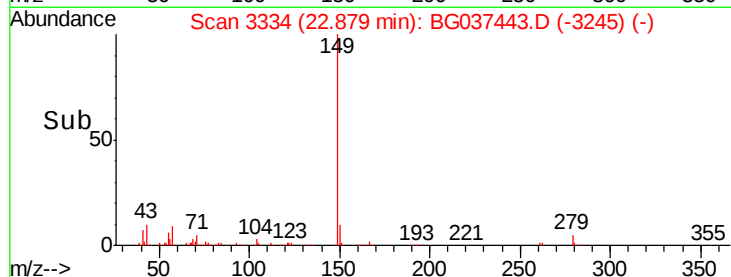
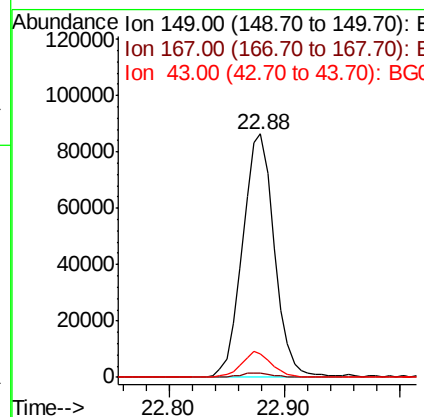
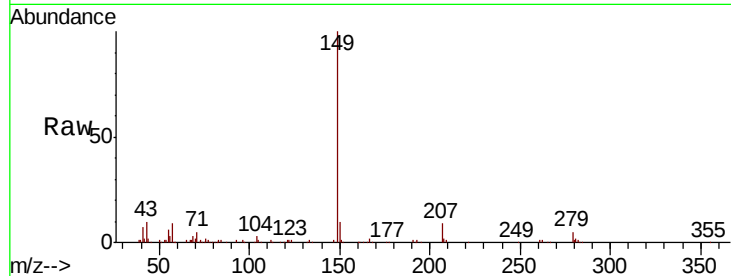
ClientSampleId :

MDL-WATER-03-QT4-2018

Tot Ion:	149	Resp:	165511
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.3	1.9
43	10.0	8.7	13.1

Manual Integrations
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#86

Indeno(1,2,3-cd)pyrene

Concen: 7.137 ng

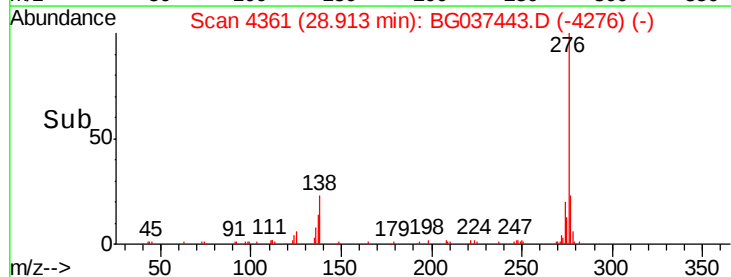
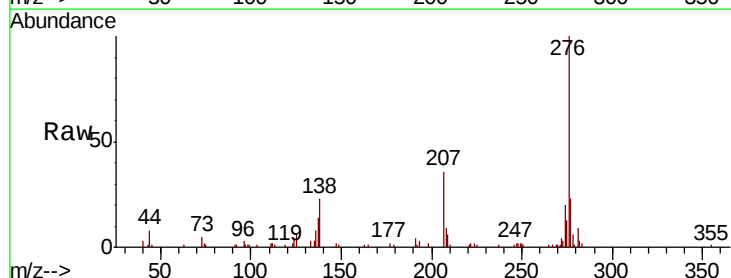
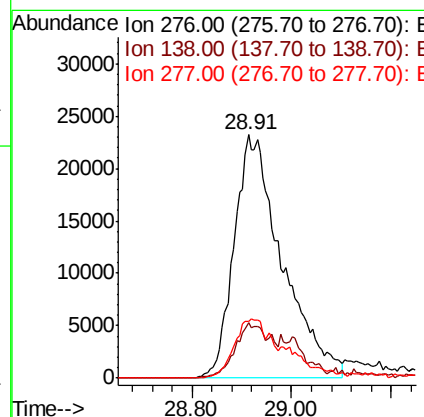
RT: 28.91 min Scan# 4361

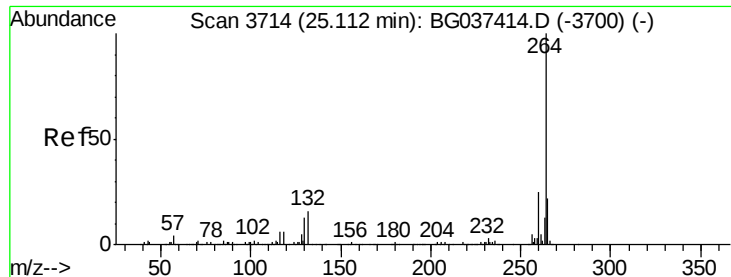
Delta R.T. -0.03 min

Lab File: BG037443.D

Acq: 19 Oct 2018 7:06

Tgt Ion:	276	Resp:	155250
Ion Ratio	Lower	Upper	
276	100		
138	16.6	12.0	18.0
277	17.9	20.6	30.8#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.10 min Scan# 3712

Delta R.T. -0.01 min

Lab File: BG037443.D

Acq: 19 Oct 2018 7:06

Instrument :

BNA_G

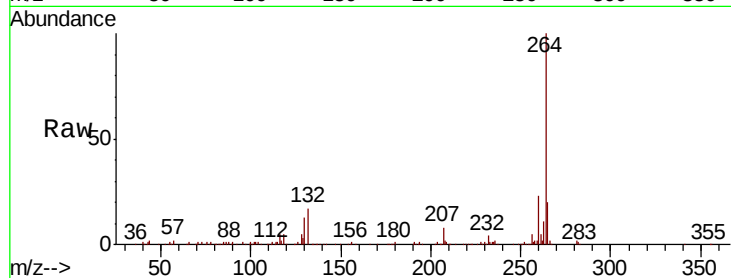
ClientSampleId :

MDL-WATER-03-QT4-2018

Tot Ion:	264	Resp:	358211
Ion Ratio		Lower	Upper
264	100		
260	23.4	18.2	27.4
265	20.1	17.9	26.9

Manual Integrations
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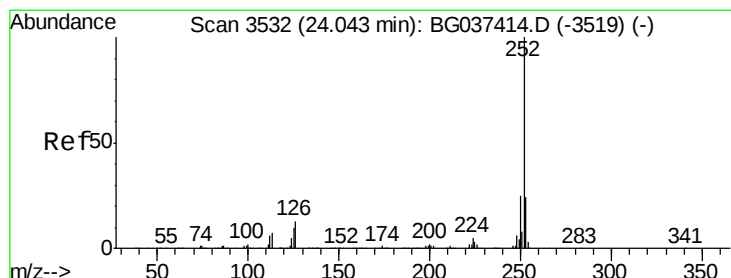
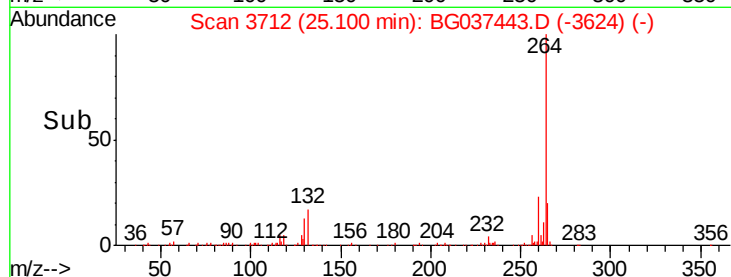
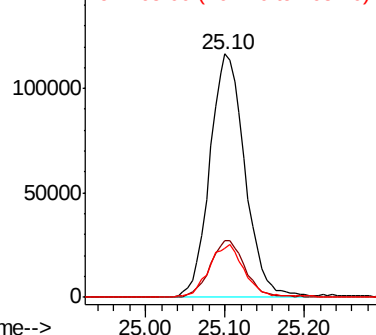


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 8.546 ng

RT: 24.03 min Scan# 3530

Delta R.T. -0.01 min

Lab File: BG037443.D

Acq: 19 Oct 2018 7:06

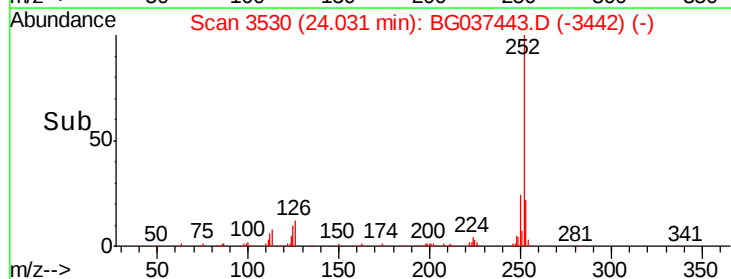
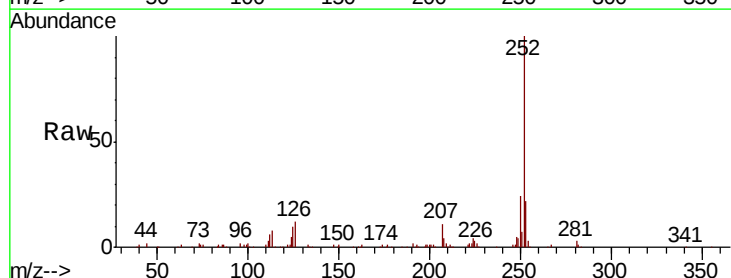
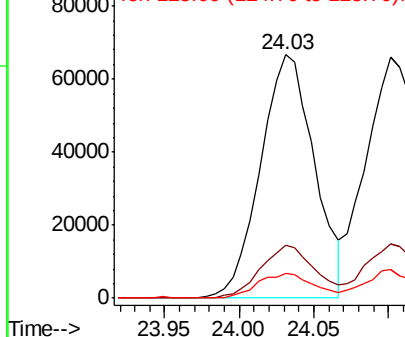
Tgt Ion:	252	Resp:	167824
Ion Ratio		Lower	Upper
252	100		
253	21.9	18.2	27.2
125	10.0	7.8	11.6

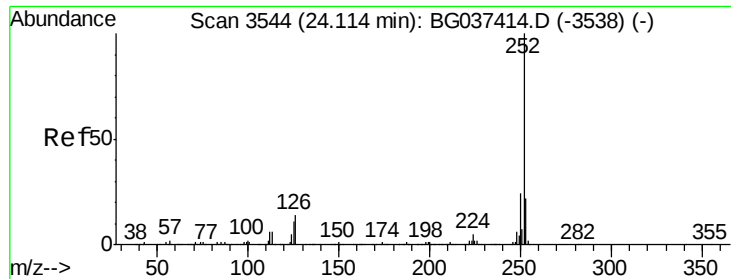
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





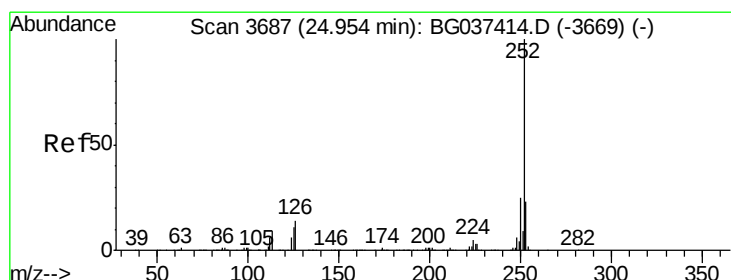
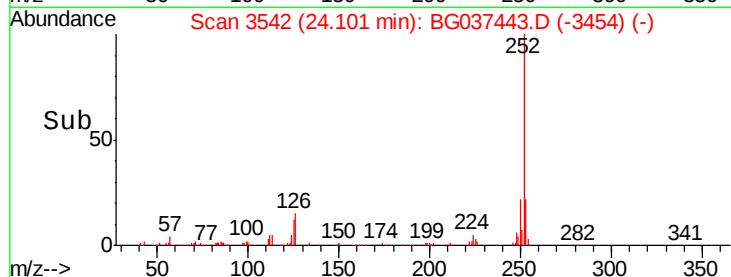
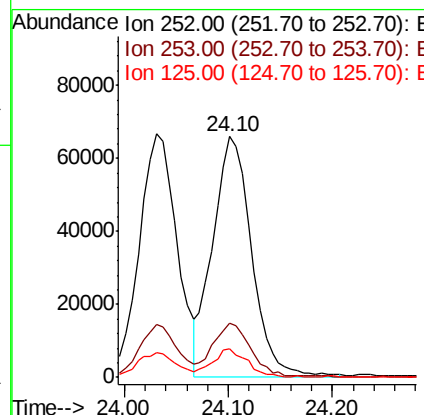
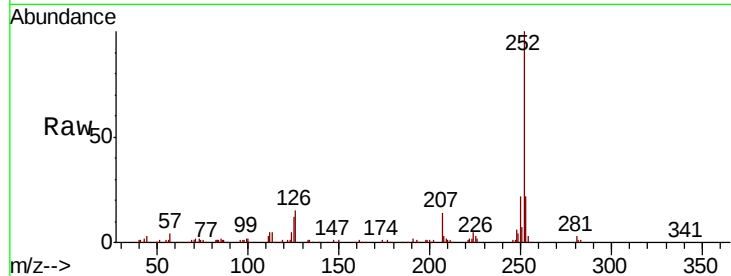
#89
Benzo(k)fluoranthene
Concen: 8.999 ng m
RT: 24.10 min Scan# 3542
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.2
125	11.9	7.4	11.0

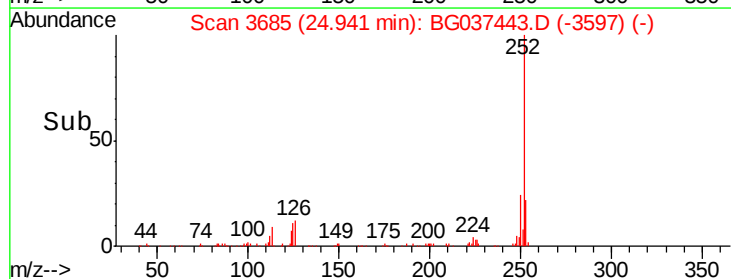
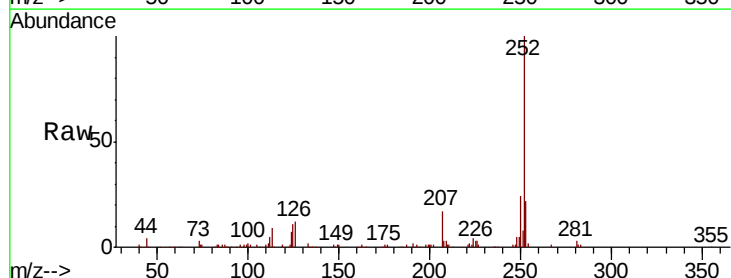
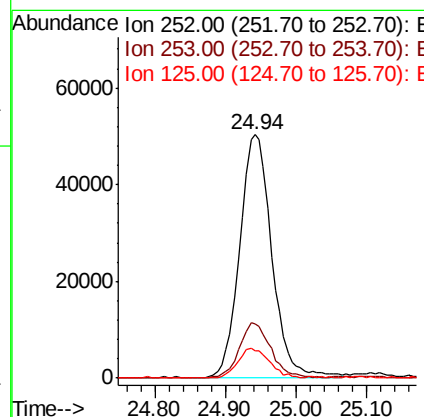
Manual Integrations
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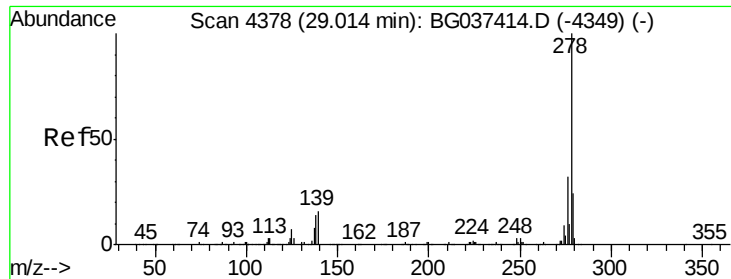
Sohil
10/19/2018 3:57:55 PM



#90
Benzo(a)pyrene
Concen: 8.564 ng
RT: 24.94 min Scan# 3685
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	11.1	9.0	13.6





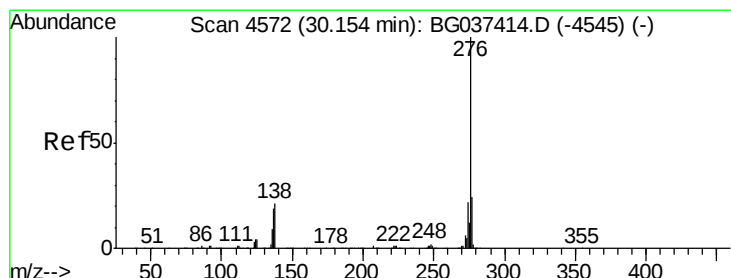
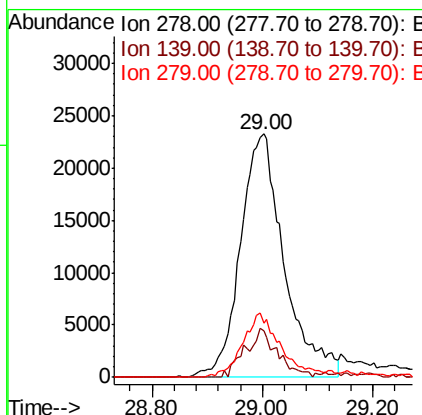
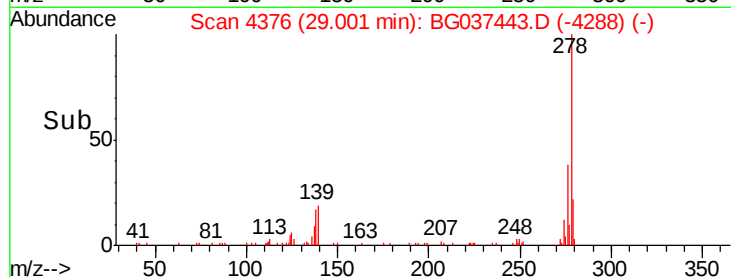
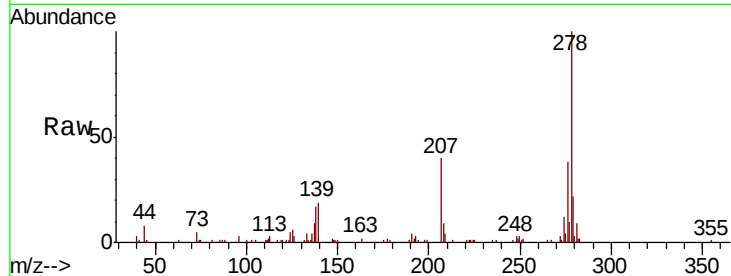
#91
Dibenzo(a,h)anthracene
Concen: 7.440 ng
RT: 29.00 min Scan# 4376
Delta R.T. -0.01 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.8	11.5	17.3#
279	22.5	18.6	27.8

Manual Integrations
APPROVED

Sohil
10/19/2018 3:57:55 PM



#92
Benzo(g,h,i)perylene
Concen: 7.745 ng
RT: 30.12 min Scan# 4567
Delta R.T. -0.03 min
Lab File: BG037443.D
Acq: 19 Oct 2018 7:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	21.2	18.9	28.3
138	24.7	17.2	25.8

