

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101818\
 Data File : BG037432.D
 Acq On : 18 Oct 2018 23:10
 Operator : JU/SJ
 Sample : J5164-07
 Misc : LOD 2 PPM
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Oct 19 08:36:14 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	46213	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	210420	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	138707	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	337254	20.00	ng	0.00
76) Chrysene-d12	21.77	240	313435	20.00	ng	0.00
87) Perylene-d12	25.10	264	304711	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	425711	154.01	ng	0.00
7) Phenol-d6	7.25	99	618209	147.90	ng	0.00
23) Nitrobenzene-d5	9.28	82	352937	93.96	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	231096	152.75	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	862440	93.76	ng	0.00
79) Terphenyl-d14	20.09	244	1304295	88.92	ng	0.00

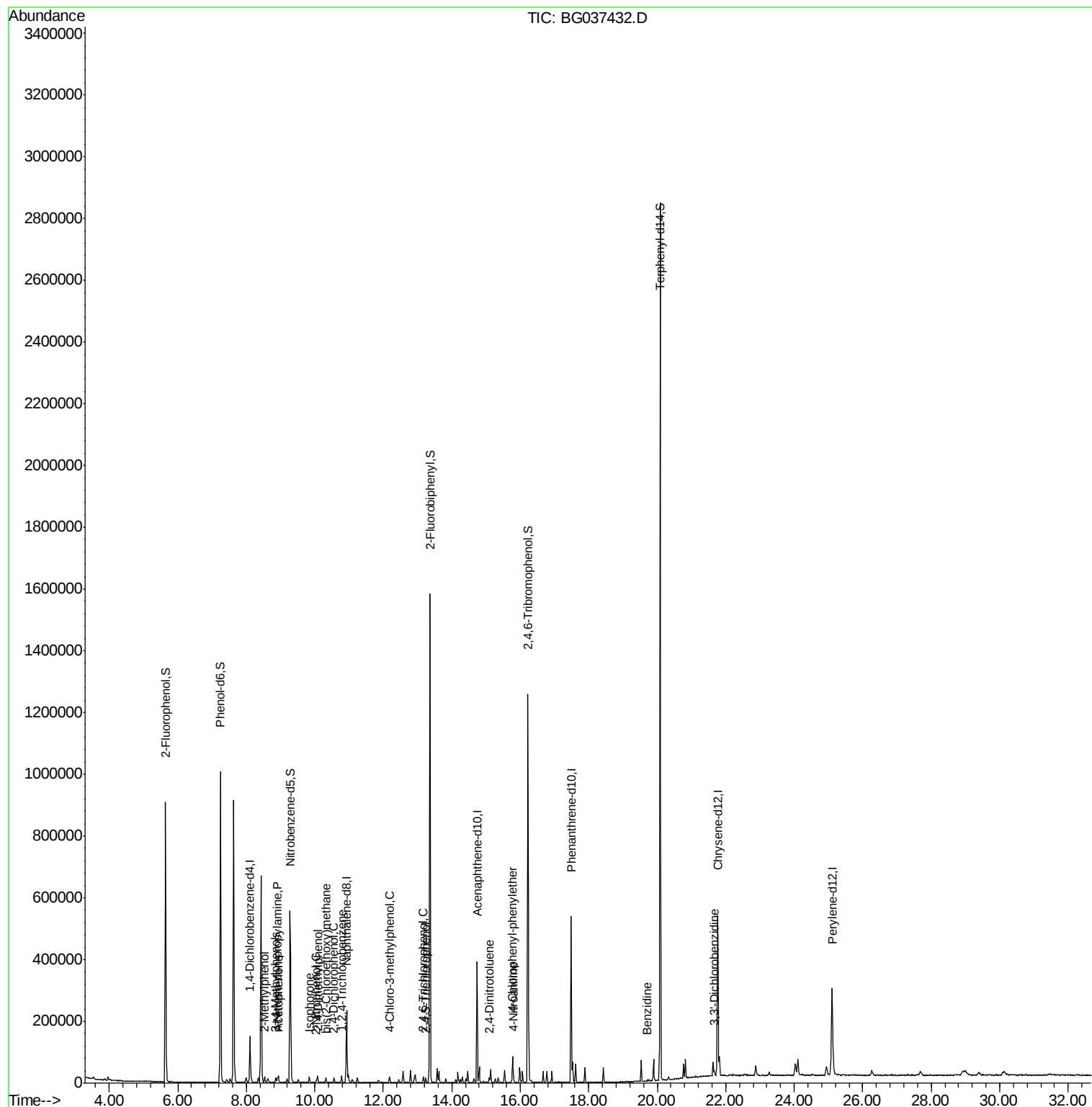
Target Compounds				Qvalue		
17) 2-Methylphenol	8.54	107	6216	2.132	ng	95
19) n-Nitroso-di-n-propylamine	8.91	70	5977	2.077	ng	# 75
20) 3+4-Methylphenols	8.86	107	8874	2.129	ng	93
22) Acetophenone	8.94	105	11743	2.225	ng	# 91
25) Isophorone	9.85	82	15162	2.209	ng	98
26) 2-Nitrophenol	10.04	139	3215	1.829	ng	# 89
27) 2,4-Dimethylphenol	10.08	122	6547	2.086	ng	82
28) bis(2-Chloroethoxy)methane	10.33	93	10344	2.300	ng	# 92
29) 2,4-Dichlorophenol	10.56	162	6629	1.897	ng	98
30) 1,2,4-Trichlorobenzene	10.79	180	8562	2.253	ng	92
36) 4-Chloro-3-methylphenol	12.18	107	7335	1.861	ng	93
43) 2,4,6-Trichlorophenol	13.17	196	5157	1.725	ng	93
44) 2,4,5-Trichlorophenol	13.24	196	6340	1.948	ng	# 92
57) 2,4-Dinitrotoluene	15.10	165	5523	1.772	ng	# 96
61) 4-Chlorophenyl-phenylether	15.77	204	12454	2.139	ng	96
62) 4-Nitroaniline	15.81	138	4444	1.697	ng	95
77) Benzidine	19.72	184	4802	0.451	ng	# 96
82) 3,3'-Dichlorobenzidine	21.67	252	8766	1.220	ng	# 95

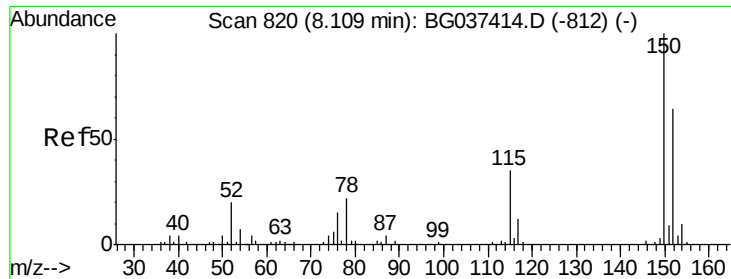
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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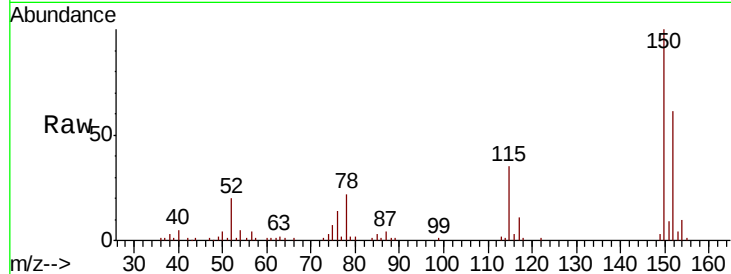


#1

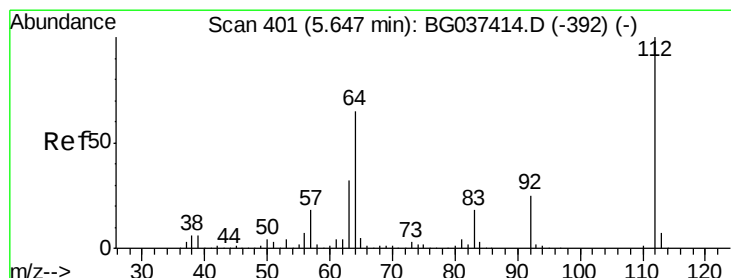
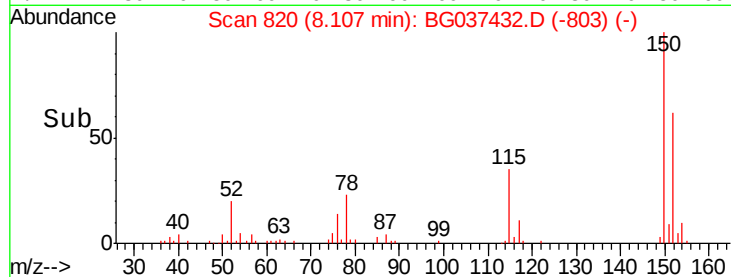
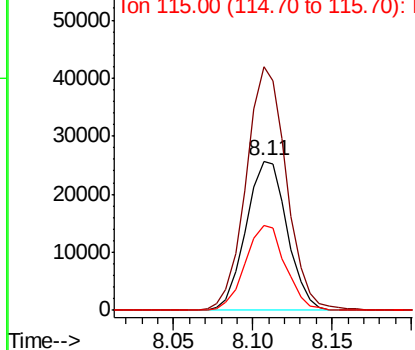
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG037432.D
Acq: 18 Oct 2018 23:10

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

Tot Ion:152 Resp: 46213
Ion Ratio Lower Upper
152 100
150 163.5 126.0 189.0
115 56.8 45.5 68.3



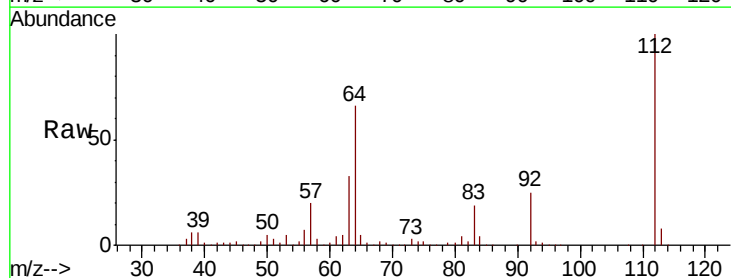
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



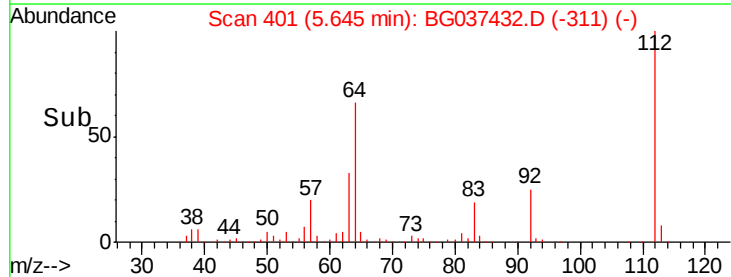
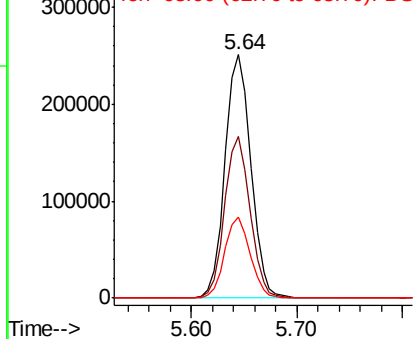
#5

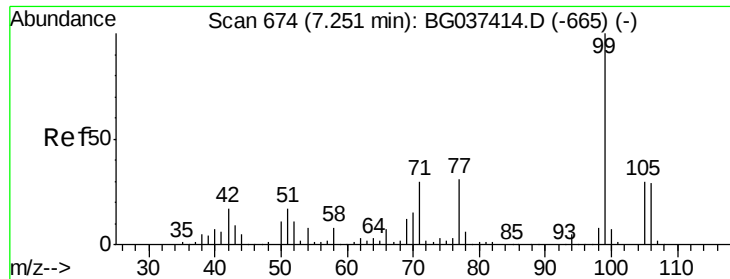
2-Fluorophenol
Concen: 154.010 ng
RT: 5.64 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG037432.D
Acq: 18 Oct 2018 23:10

Tgt Ion:112 Resp: 425711
Ion Ratio Lower Upper
112 100
64 66.3 53.1 79.7
63 33.1 27.3 40.9



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





#7

Phenol-d6

Concen: 147.905 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037432.D

Acq: 18 Oct 2018 23:10

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

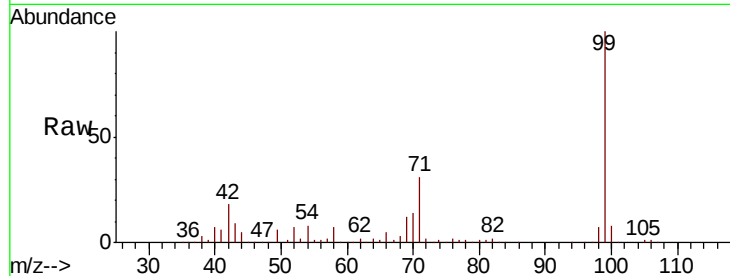
Tot Ion: 99 Resp: 618209

Ion Ratio Lower Upper

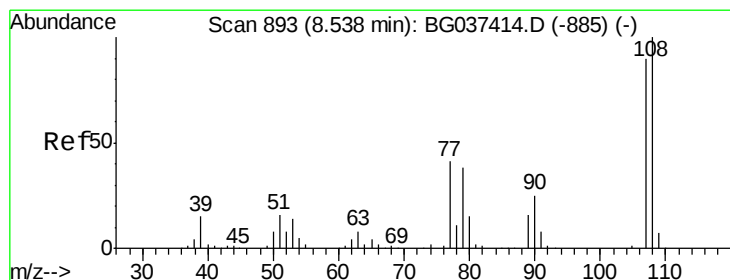
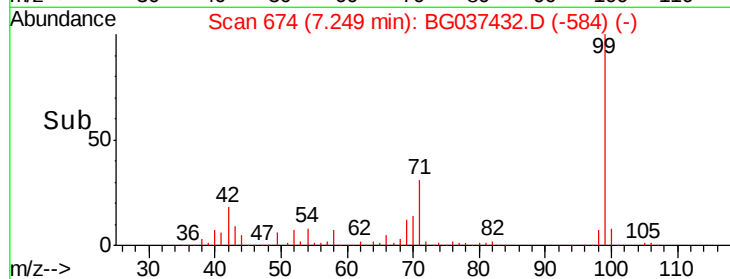
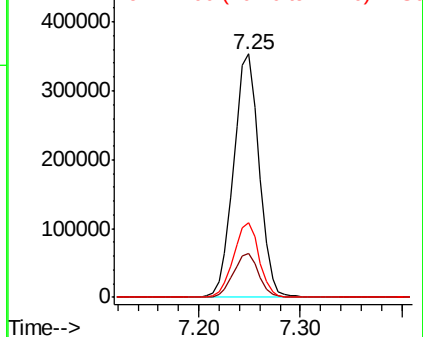
99 100

42 17.9 15.0 22.4

71 30.8 25.5 38.3



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



#17

2-Methylphenol

Concen: 2.132 ng

RT: 8.54 min Scan# 893

Delta R.T. -0.00 min

Lab File: BG037432.D

Acq: 18 Oct 2018 23:10

Tgt Ion: 107 Resp: 6216

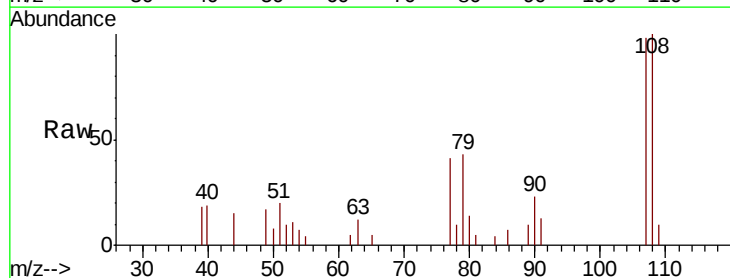
Ion Ratio Lower Upper

107 100

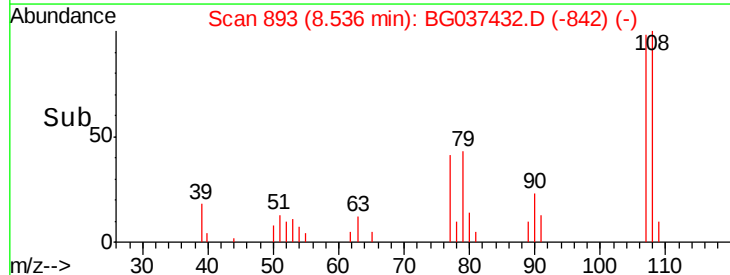
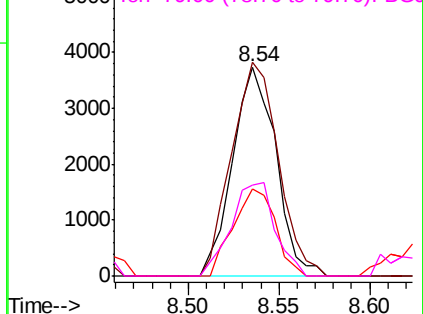
108 102.4 87.9 131.9

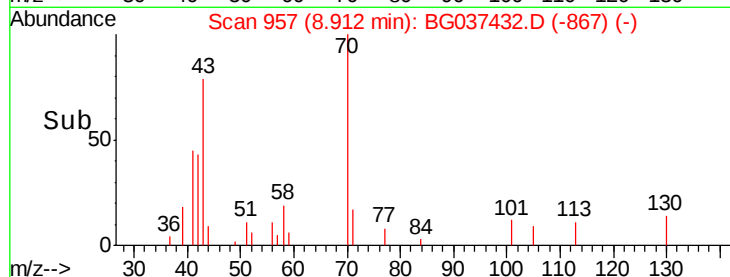
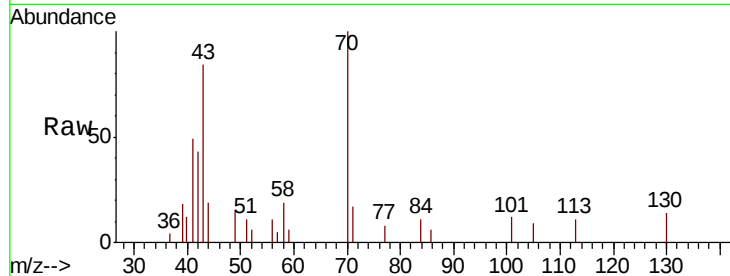
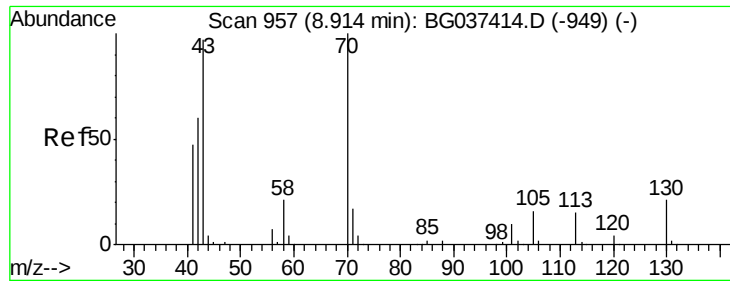
77 41.8 35.1 52.7

79 43.8 34.5 51.7



Abundance Ion 107.00 (106.70 to 107.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

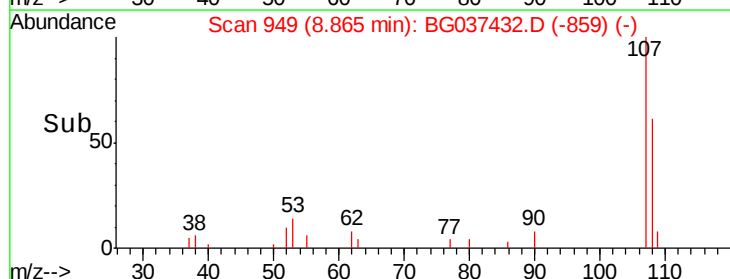
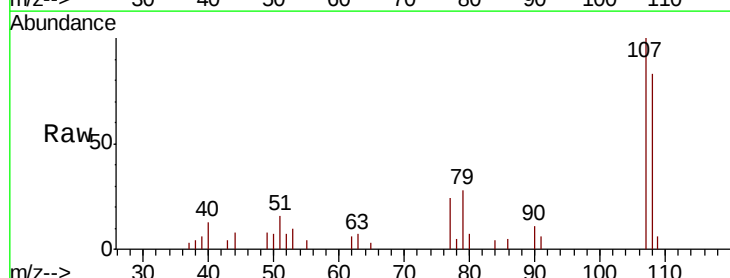
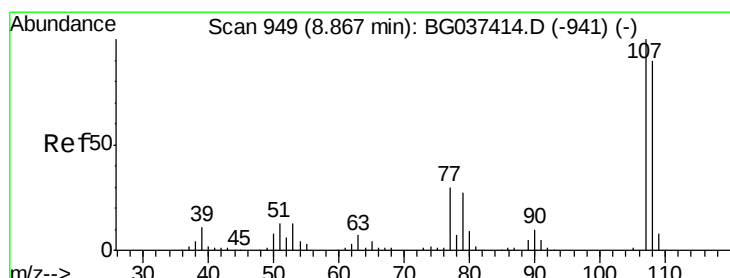
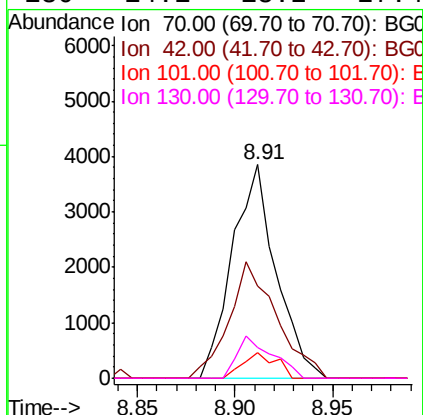




#19
n-Nitroso-di-n-propylamine
Concen: 2.077 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG037432.D
Acq: 18 Oct 2018 23:10

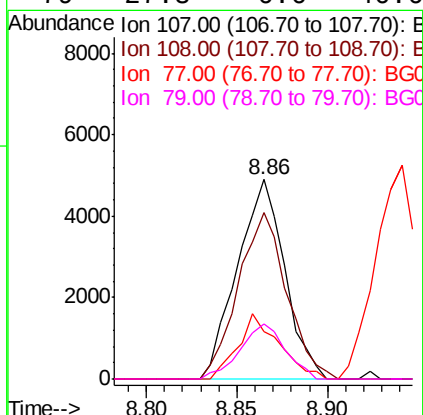
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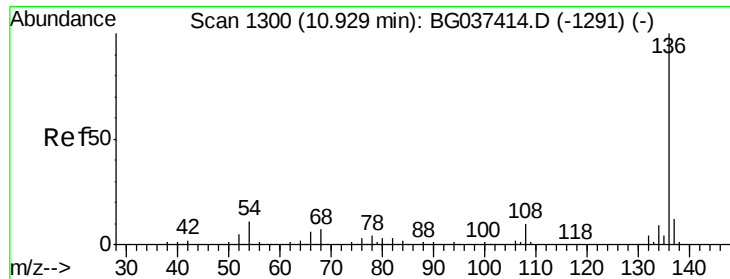
Tot Ion: 70 Resp: 5977
Ion Ratio Lower Upper
70 100
42 43.0 53.9 80.9#
101 11.7 8.2 12.2
130 14.1 18.2 27.4#



#20
3+4-Methylphenols
Concen: 2.129 ng
RT: 8.86 min Scan# 949
Delta R.T. -0.00 min
Lab File: BG037432.D
Acq: 18 Oct 2018 23:10

Tgt Ion: 107 Resp: 8874
Ion Ratio Lower Upper
107 100
108 83.4 69.9 109.9
77 23.9 11.2 51.2
79 27.8 6.6 46.6

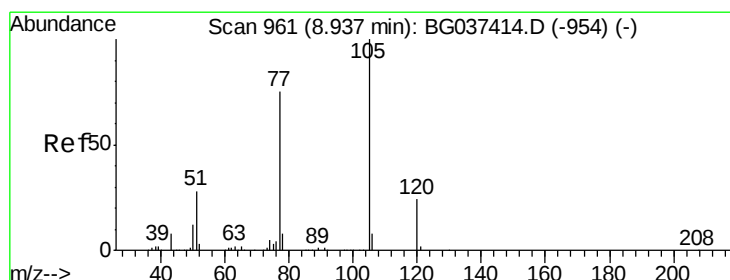
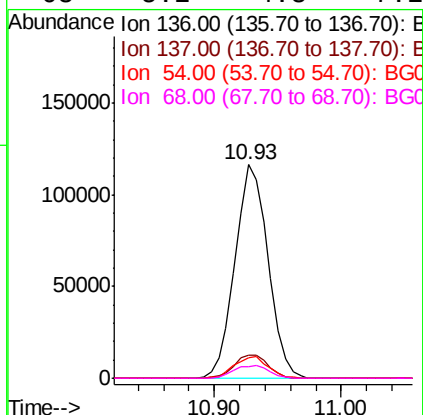
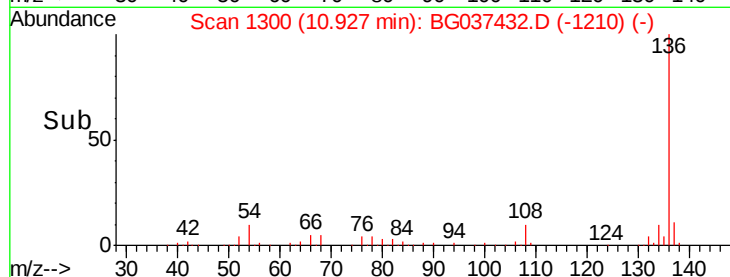
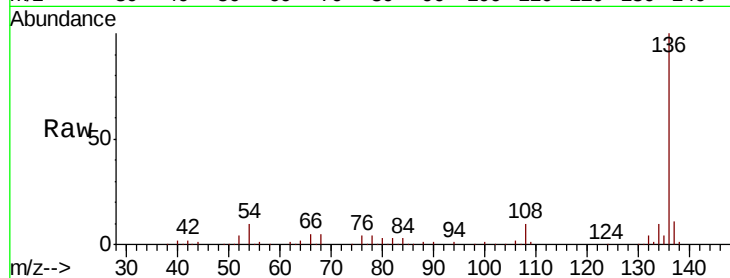




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037432.D
Acq: 18 Oct 2018 23:10

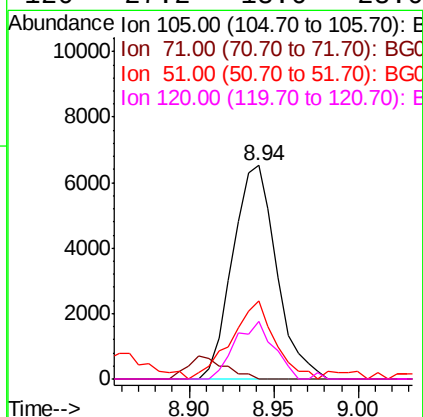
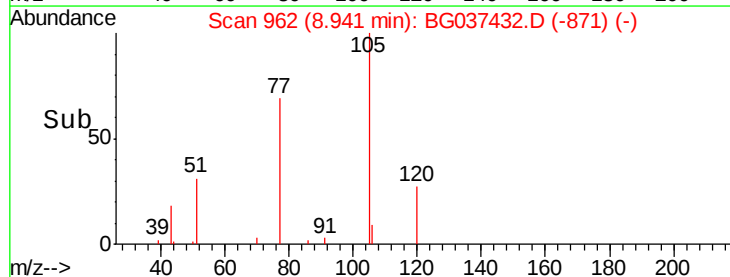
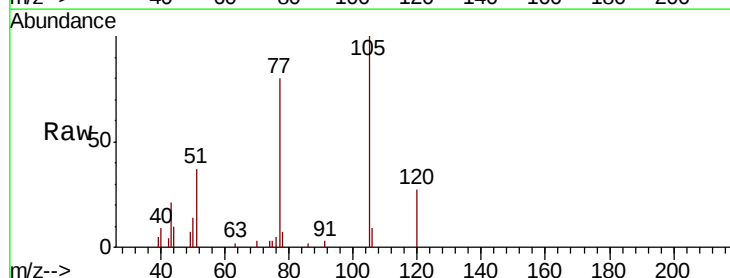
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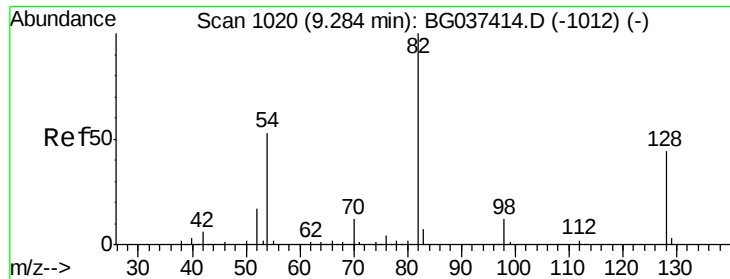
Tot Ion:136	Resp:	210420
Ion	Ratio	Lower Upper
136	100	
137	10.7	9.6 14.4
54	9.8	7.9 11.9
68	5.2	4.8 7.2



#22
Acetophenone
Concen: 2.225 ng
RT: 8.94 min Scan# 962
Delta R.T. 0.00 min
Lab File: BG037432.D
Acq: 18 Oct 2018 23:10

Tgt Ion:105	Resp:	11743
Ion	Ratio	Lower Upper
105	100	
71	0.0	1.2 1.8#
51	36.7	25.0 37.6
120	27.2	18.6 28.0

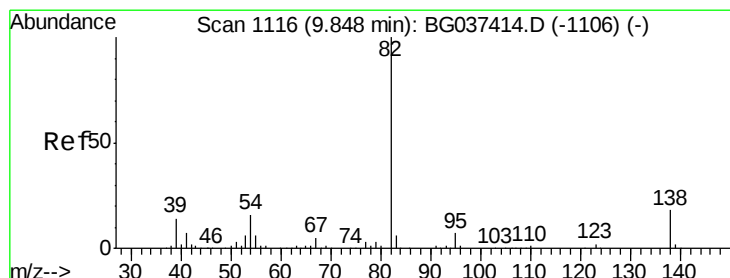
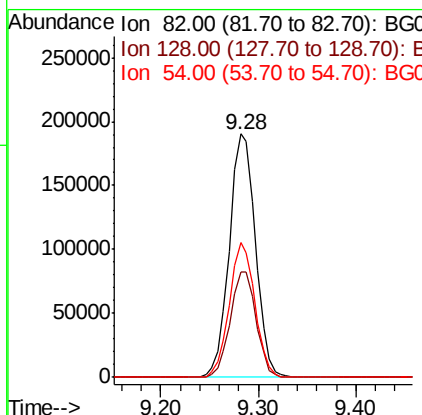
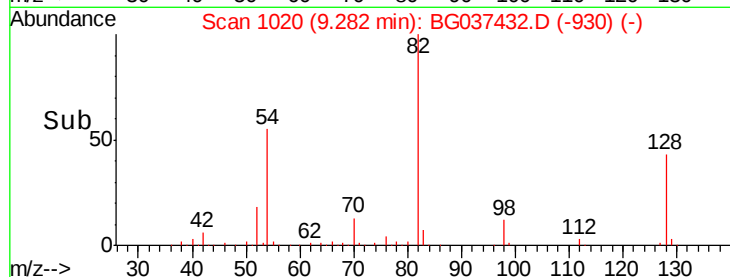
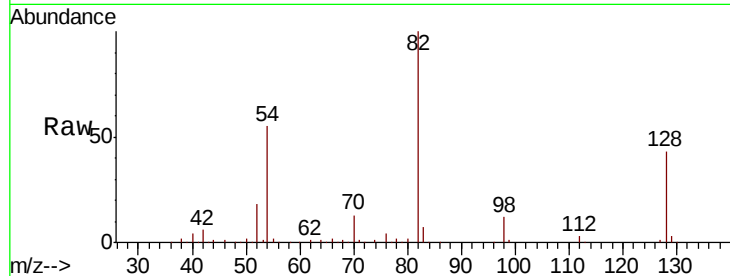




#23
Nitrobenzene-d5
Concen: 93.960 ng
RT: 9.28 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG037432.D
Acq: 18 Oct 2018 23:10

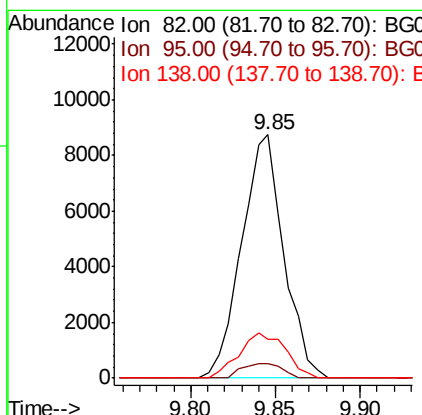
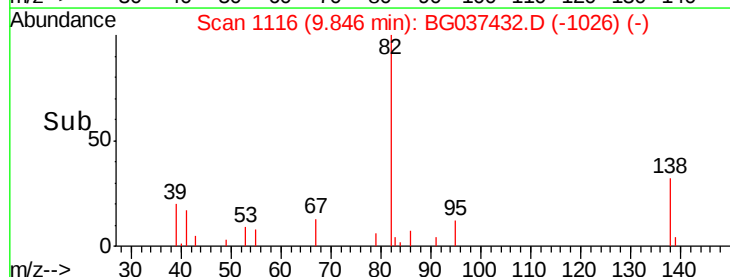
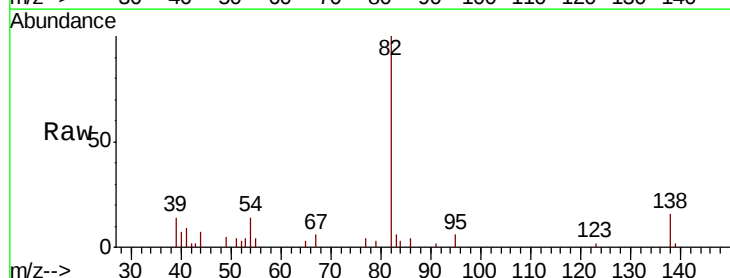
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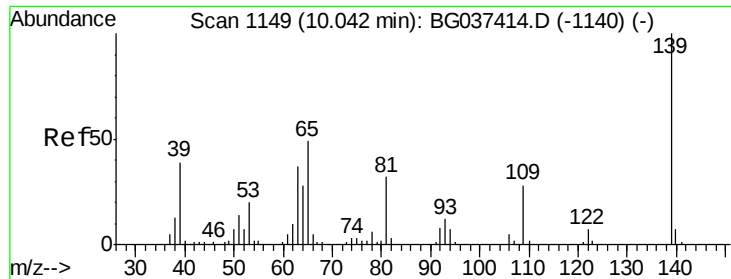
Tot Ion	82	Resp	352937
Ion Ratio	Lower	Upper	
82	100		
128	43.3	34.6	51.8
54	55.5	45.3	67.9



#25
Isophorone
Concen: 2.209 ng
RT: 9.85 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BG037432.D
Acq: 18 Oct 2018 23:10

Tgt Ion	82	Resp	15162
Ion Ratio	Lower	Upper	
82	100		
95	5.8	5.3	7.9
138	16.0	13.3	19.9

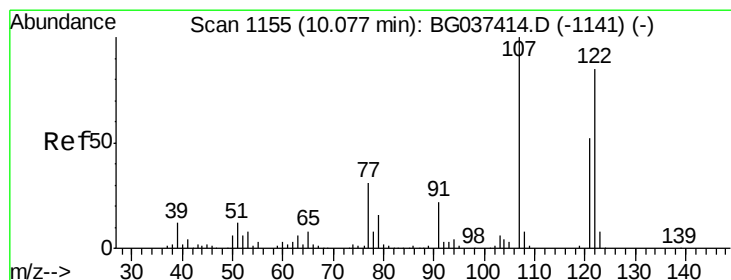
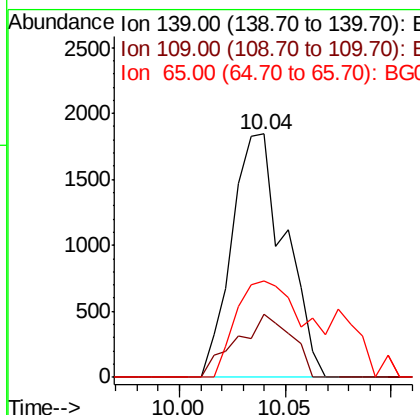
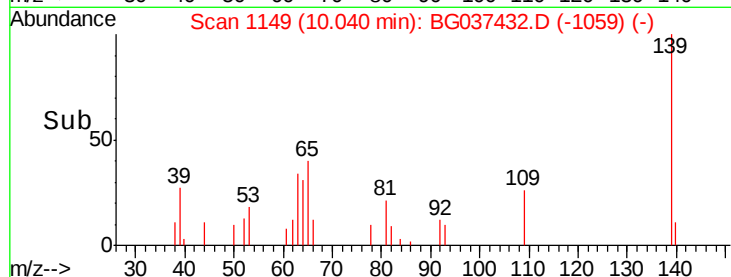
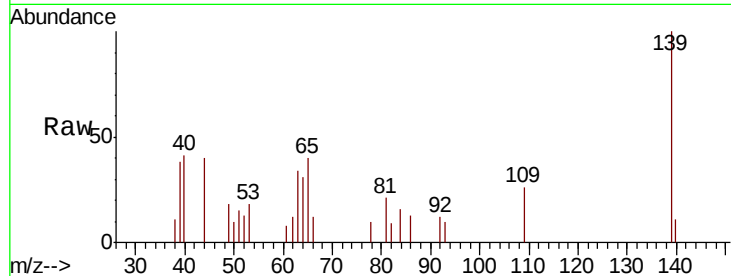




#26
2-Nitrophenol
Concen: 1.829 ng
RT: 10.04 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BG037432.D
Acq: 18 Oct 2018 23:10

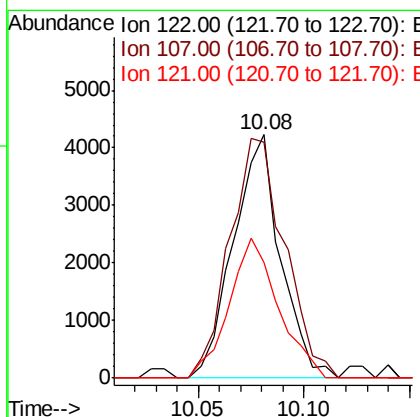
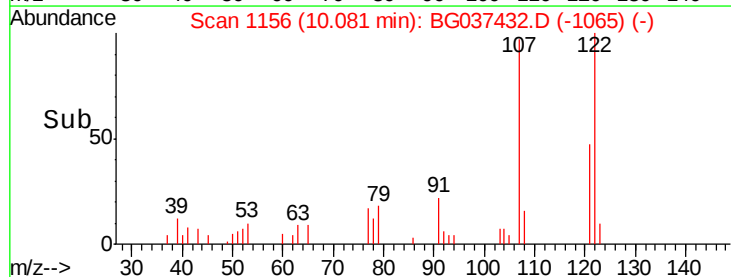
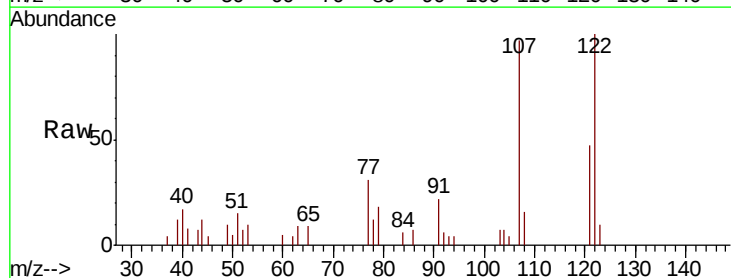
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

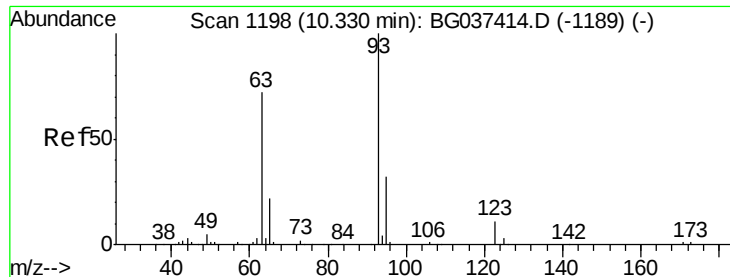
Tot Ion:139 Resp: 3215
Ion Ratio Lower Upper
139 100
109 26.0 23.3 34.9
65 39.8 39.8 59.8#



#27
2,4-Dimethylphenol
Concen: 2.086 ng
RT: 10.08 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BG037432.D
Acq: 18 Oct 2018 23:10

Tgt Ion:122 Resp: 6547
Ion Ratio Lower Upper
122 100
107 96.7 94.2 141.2
121 47.3 47.3 70.9

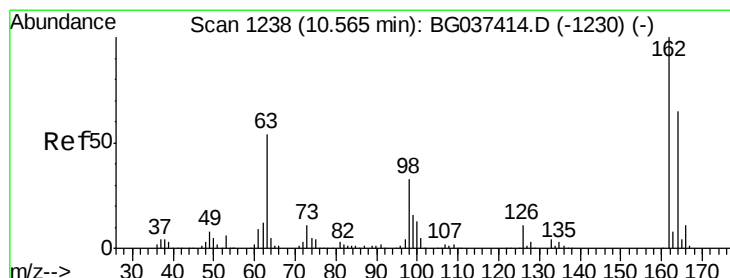
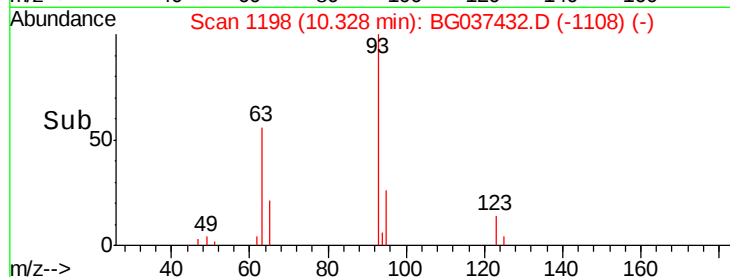
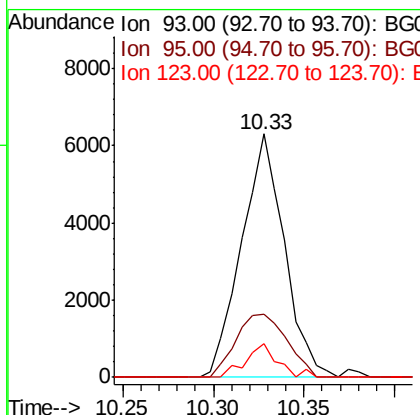
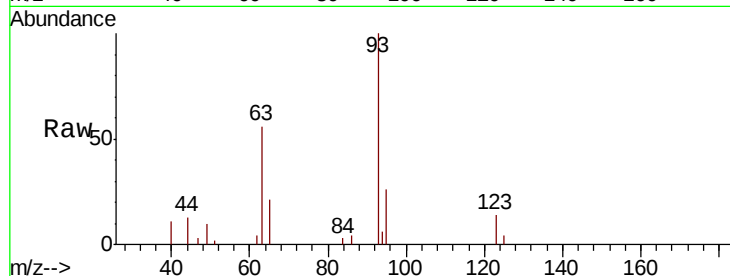




#28
bis(2-Chloroethoxy)methane
Concen: 2.300 ng
RT: 10.33 min Scan# 1198
Delta R.T. -0.00 min
Lab File: BG037432.D
Acq: 18 Oct 2018 23:10

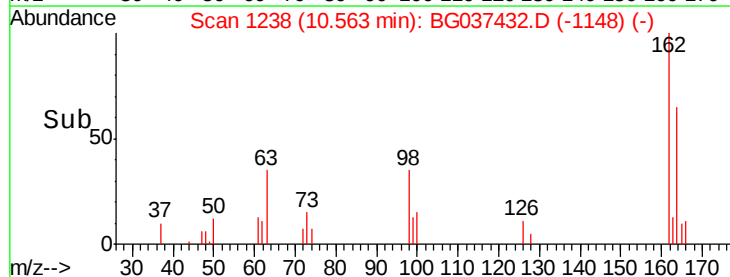
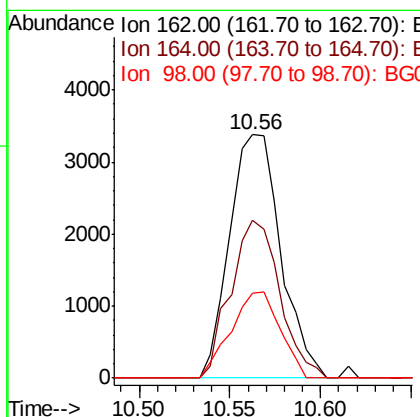
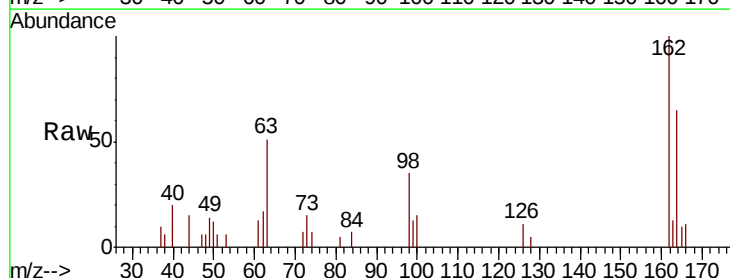
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

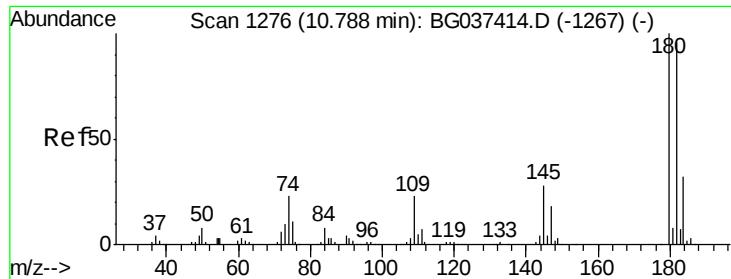
Tot Ion: 93 Resp: 10344
Ion Ratio Lower Upper
93 100
95 26.1 24.6 37.0
123 13.9 9.1 13.7#



#29
2,4-Dichlorophenol
Concen: 1.897 ng
RT: 10.56 min Scan# 1238
Delta R.T. -0.00 min
Lab File: BG037432.D
Acq: 18 Oct 2018 23:10

Tgt Ion: 162 Resp: 6629
Ion Ratio Lower Upper
162 100
164 64.9 43.2 83.2
98 35.1 16.0 56.0

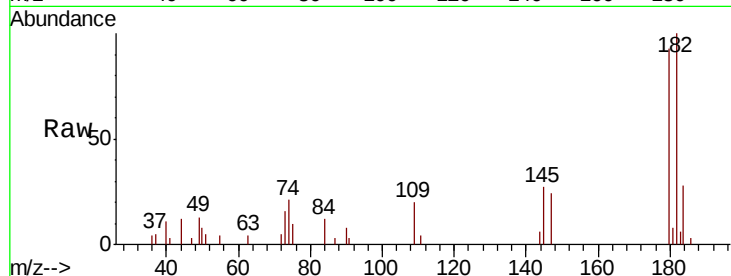




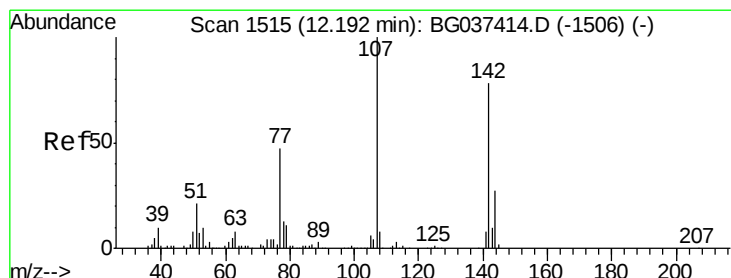
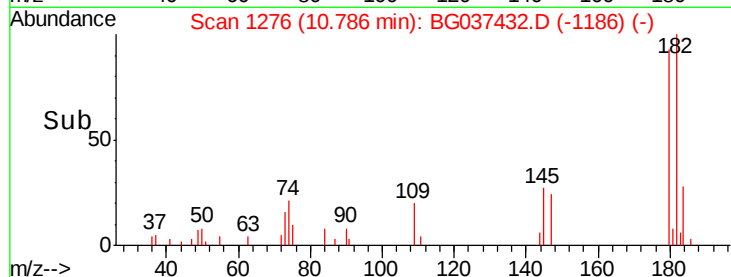
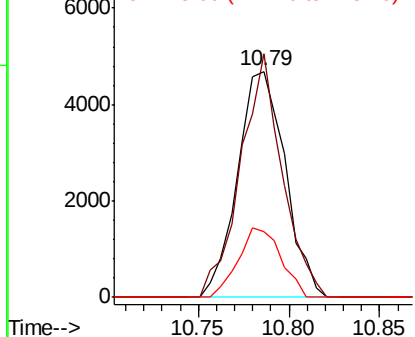
#30
 1,2,4-Trichlorobenzene
 Concen: 2.253 ng
 RT: 10.79 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: BG037432.D
 Acq: 18 Oct 2018 23:10

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

Tot Ion:180 Resp: 8562
 Ion Ratio Lower Upper
 180 100
 182 107.7 77.7 116.5
 145 28.9 23.3 34.9

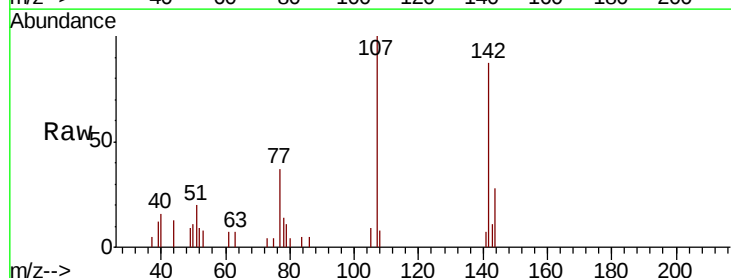


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

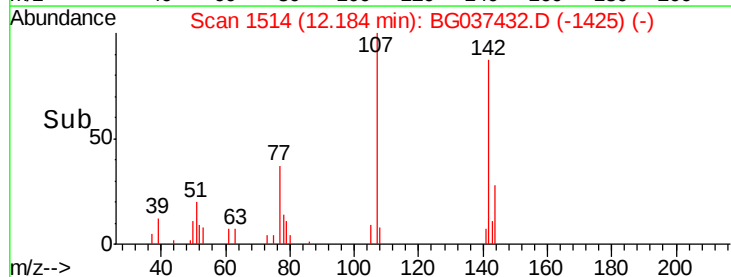
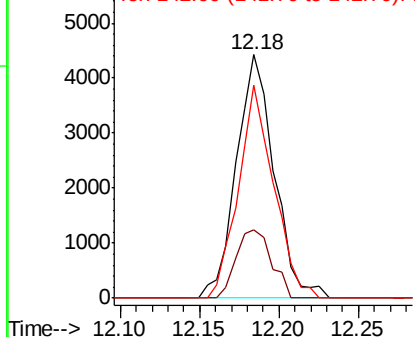


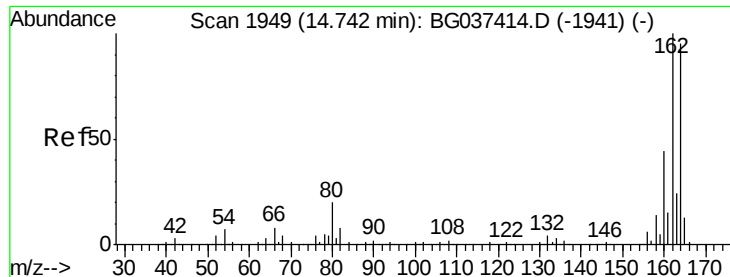
#36
 4-Chloro-3-methylphenol
 Concen: 1.861 ng
 RT: 12.18 min Scan# 1514
 Delta R.T. -0.01 min
 Lab File: BG037432.D
 Acq: 18 Oct 2018 23:10

Tgt Ion:107 Resp: 7335
 Ion Ratio Lower Upper
 107 100
 144 28.1 20.7 31.1
 142 87.5 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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG037432.D

Acq: 18 Oct 2018 23:10

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

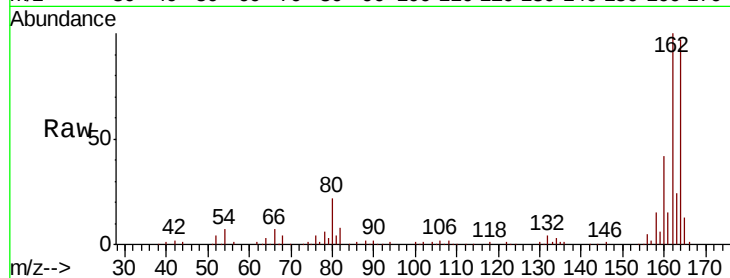
Tot Ion:164 Resp: 138707

Ion Ratio Lower Upper

164 100

162 102.7 81.3 121.9

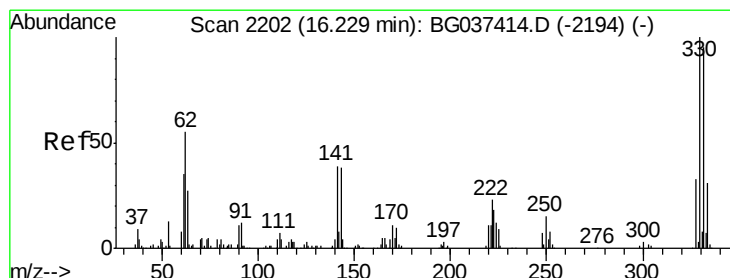
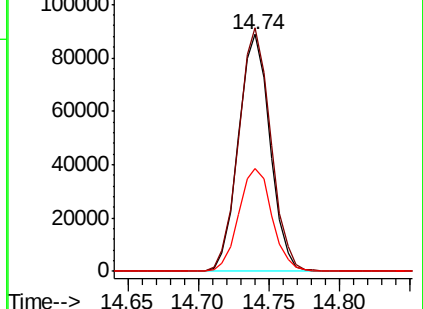
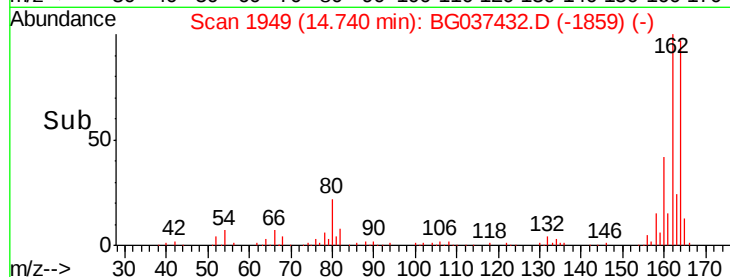
160 43.3 36.3 54.5



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



#42

2,4,6-Tribromophenol

Concen: 152.754 ng

RT: 16.23 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG037432.D

Acq: 18 Oct 2018 23:10

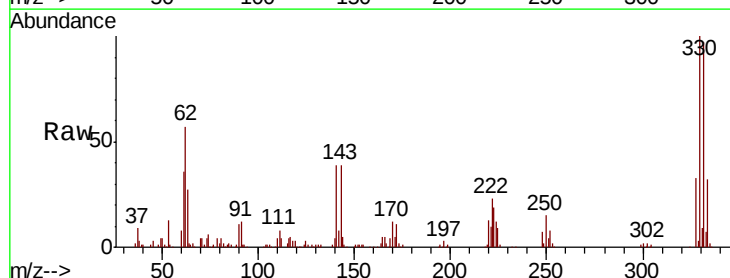
Tgt Ion:330 Resp: 231096

Ion Ratio Lower Upper

330 100

332 95.7 78.4 117.6

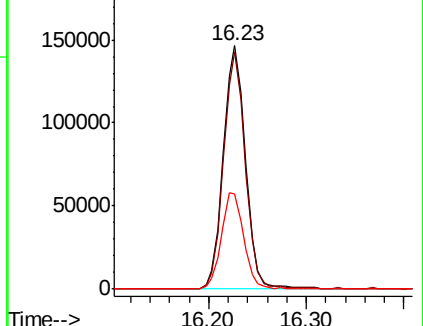
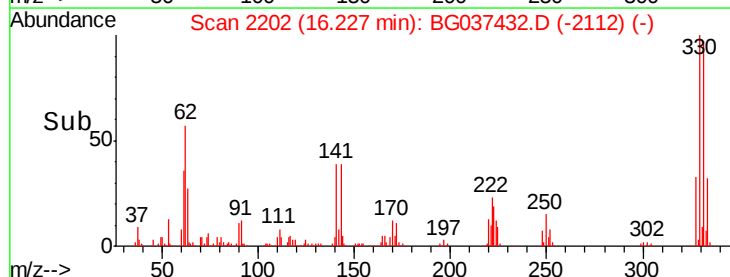
141 40.0 32.2 48.2

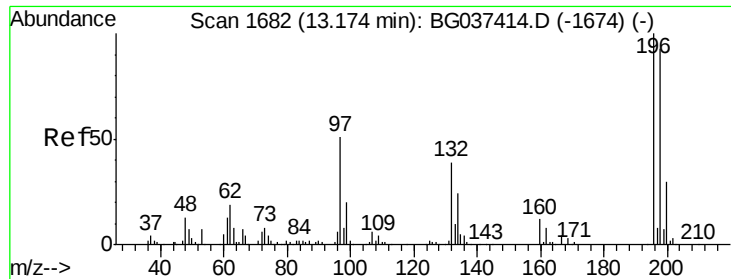


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

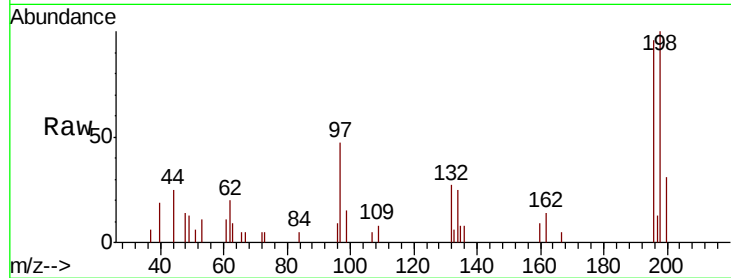




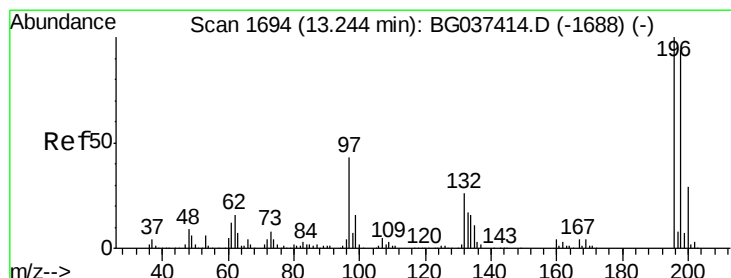
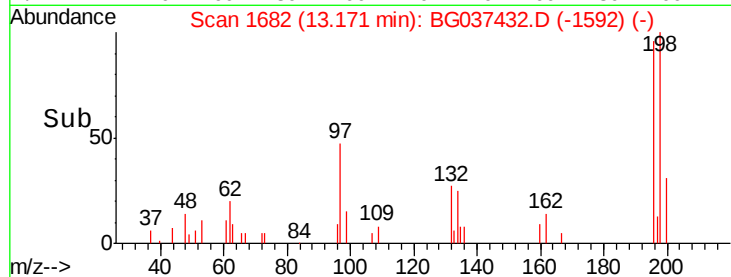
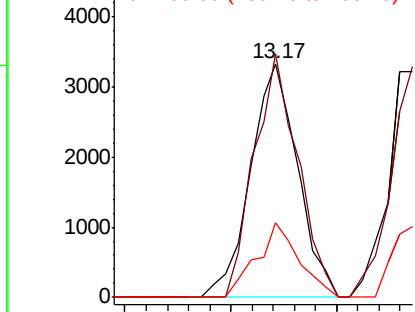
#43
 2,4,6-Trichlorophenol
 Concen: 1.725 ng
 RT: 13.17 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: BG037432.D
 Acq: 18 Oct 2018 23:10

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

Tot Ion:196 Resp: 5157
 Ion Ratio Lower Upper
 196 100
 198 104.3 76.4 114.6
 200 32.2 24.9 37.3

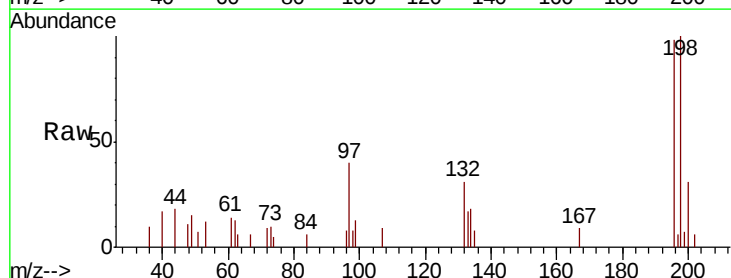


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

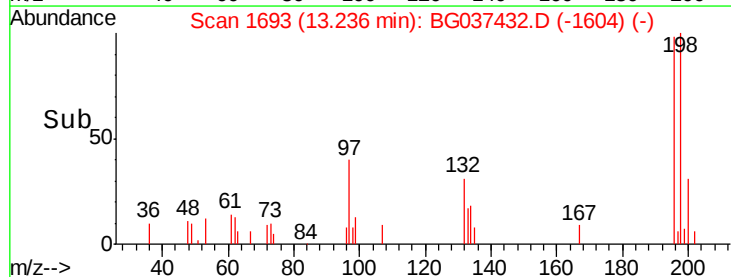
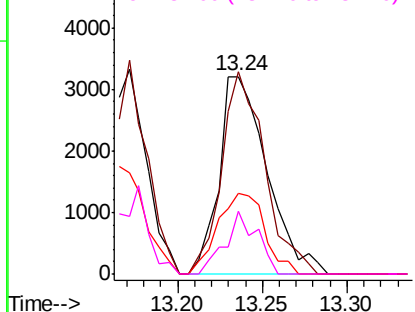


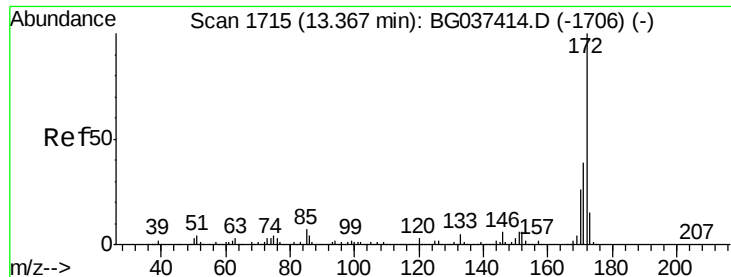
#44
 2,4,5-Trichlorophenol
 Concen: 1.948 ng
 RT: 13.24 min Scan# 1693
 Delta R.T. -0.01 min
 Lab File: BG037432.D
 Acq: 18 Oct 2018 23:10

Tgt Ion:196 Resp: 6340
 Ion Ratio Lower Upper
 196 100
 198 102.2 74.2 111.2
 97 40.9 34.1 51.1
 132 31.6 20.2 30.4#



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BGC
 Ion 132.00 (131.70 to 132.70): E

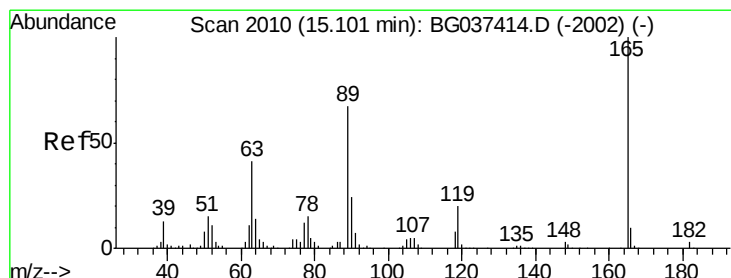
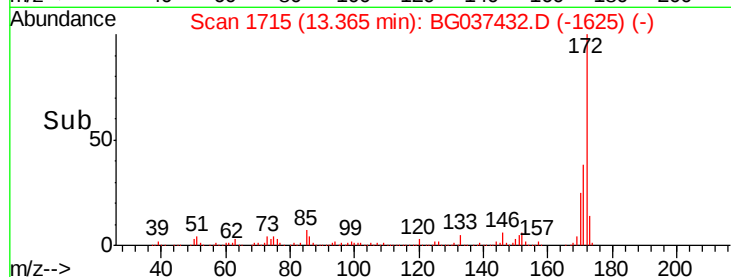
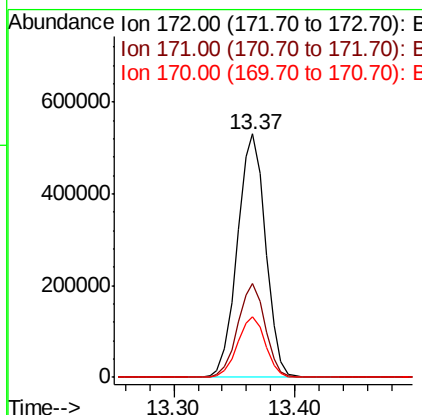
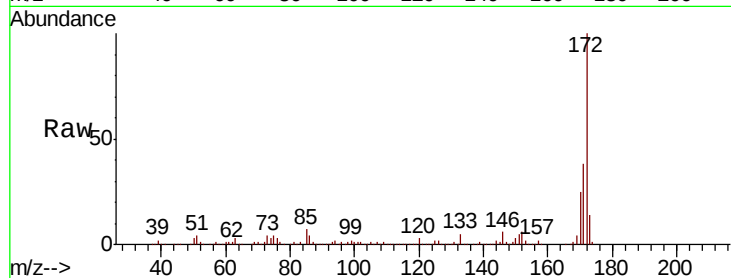




#45
2-Fluorobiphenyl
Concen: 93.760 ng
RT: 13.37 min Scan# 1715
Delta R.T. -0.00 min
Lab File: BG037432.D
Acq: 18 Oct 2018 23:10

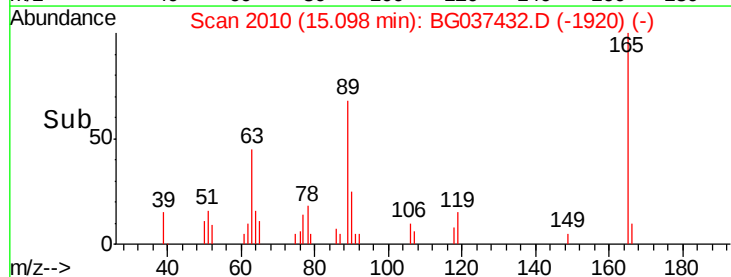
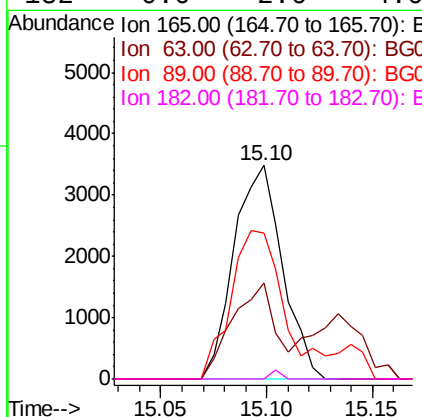
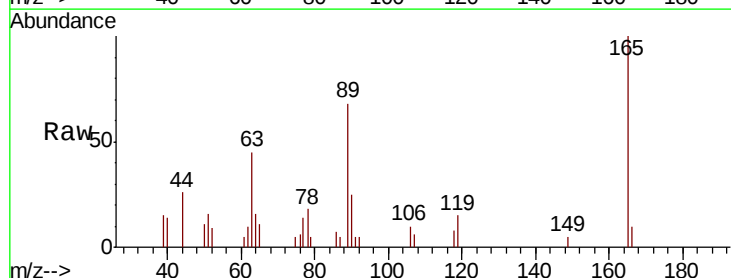
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

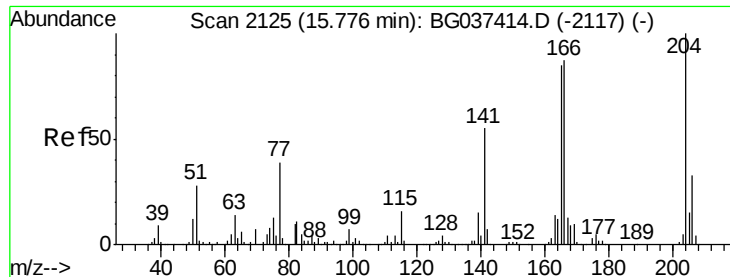
Tot Ion:172 Resp: 862440
Ion Ratio Lower Upper
172 100
171 38.4 31.0 46.4
170 25.1 20.2 30.2



#57
2,4-Dinitrotoluene
Concen: 1.772 ng
RT: 15.10 min Scan# 2010
Delta R.T. -0.00 min
Lab File: BG037432.D
Acq: 18 Oct 2018 23:10

Tgt Ion:165 Resp: 5523
Ion Ratio Lower Upper
165 100
63 44.8 33.4 50.0
89 68.4 57.2 85.8
182 0.0 2.6 4.0#

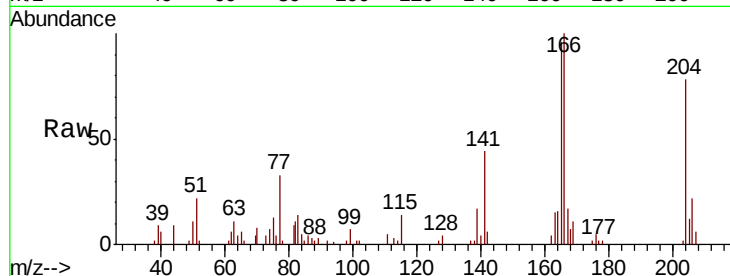




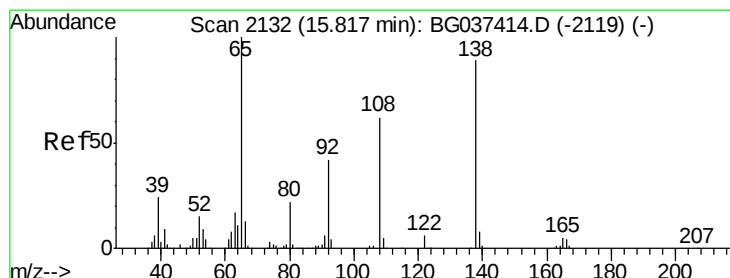
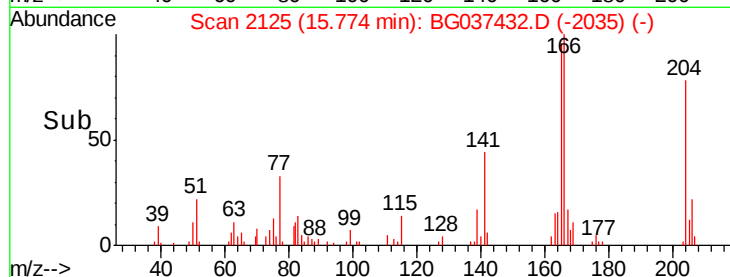
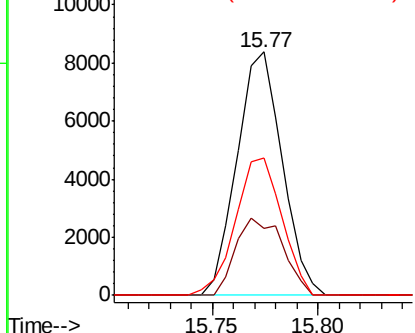
#61
 4-Chlorophenyl-phenylether
 Concen: 2.139 ng
 RT: 15.77 min Scan# 2125
 Delta R.T. -0.00 min
 Lab File: BG037432.D
 Acq: 18 Oct 2018 23:10

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

Tot Ion:204 Resp: 12454
 Ion Ratio Lower Upper
 204 100
 206 27.6 26.6 39.8
 141 56.3 45.4 68.2

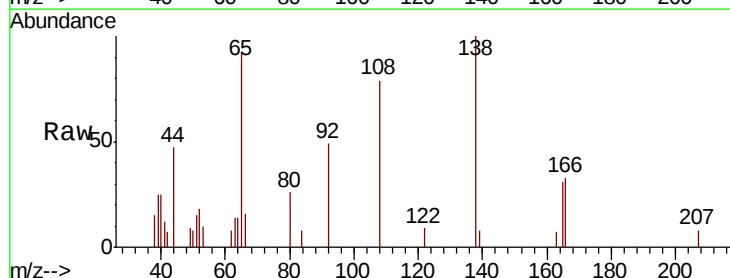


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

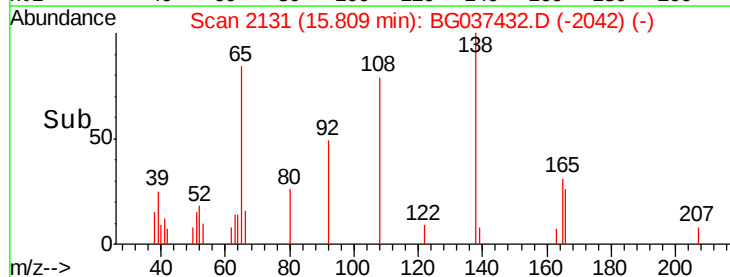
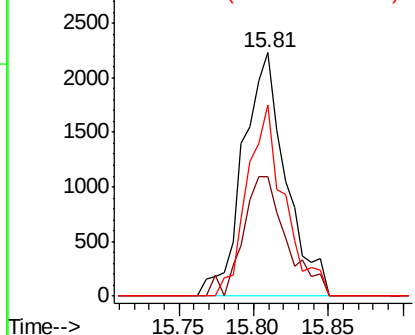


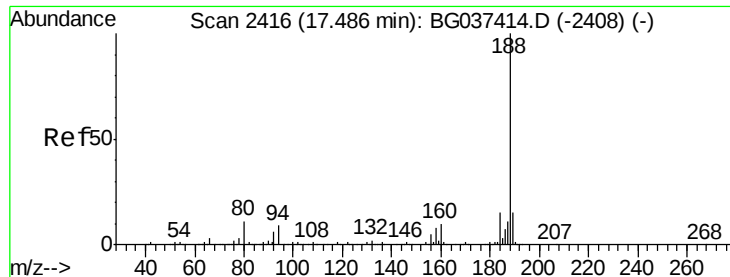
#62
 4-Nitroaniline
 Concen: 1.697 ng
 RT: 15.81 min Scan# 2131
 Delta R.T. -0.01 min
 Lab File: BG037432.D
 Acq: 18 Oct 2018 23:10

Tgt Ion:138 Resp: 4444
 Ion Ratio Lower Upper
 138 100
 92 48.8 36.4 76.4
 108 78.5 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

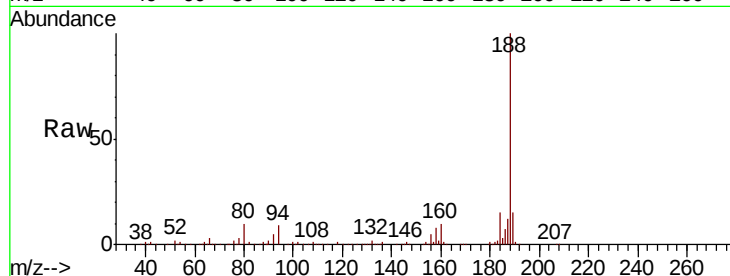




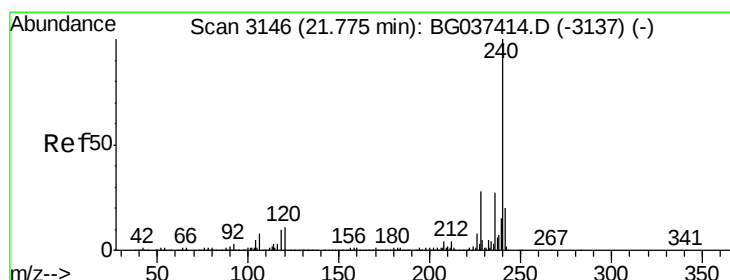
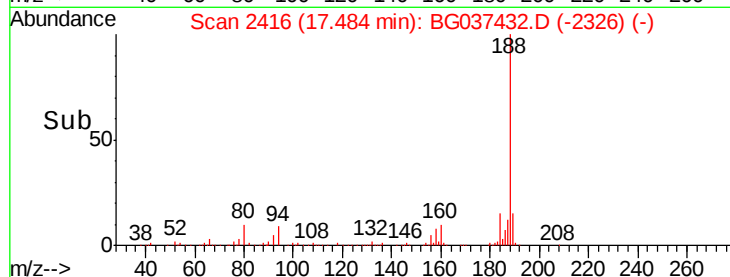
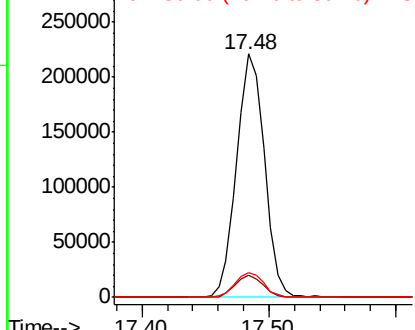
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2416
Delta R.T. -0.00 min
Lab File: BG037432.D
Acq: 18 Oct 2018 23:10

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

Tot Ion:188 Resp: 337254
Ion Ratio Lower Upper
188 100
94 9.1 7.2 10.8
80 10.4 7.7 11.5

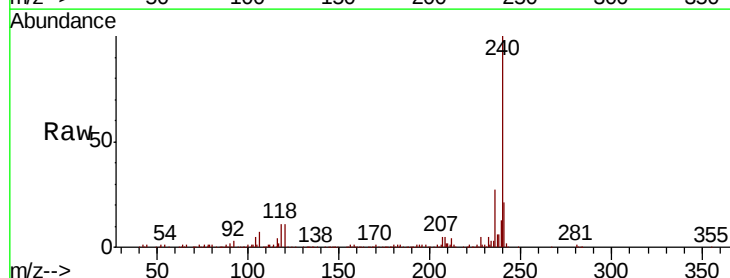


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

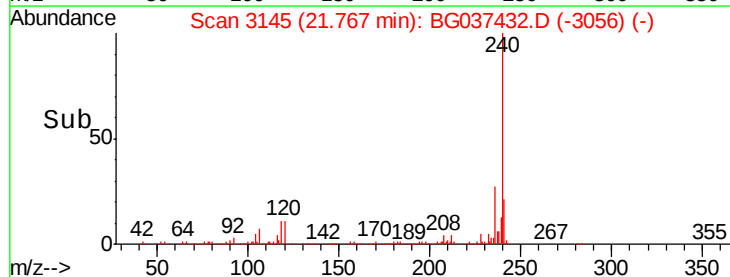
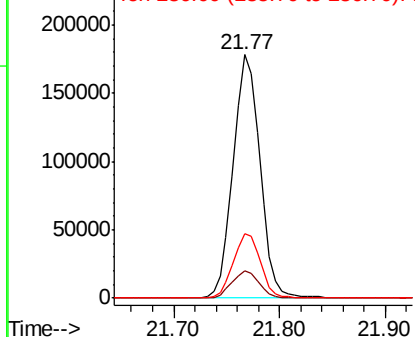


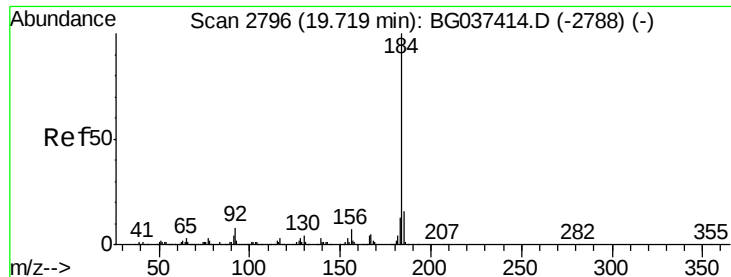
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BG037432.D
Acq: 18 Oct 2018 23:10

Tgt Ion:240 Resp: 313435
Ion Ratio Lower Upper
240 100
120 11.0 8.1 12.1
236 26.7 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: 0.451 ng

RT: 19.72 min Scan# 2797

Delta R.T. 0.00 min

Lab File: BG037432.D

Acq: 18 Oct 2018 23:10

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

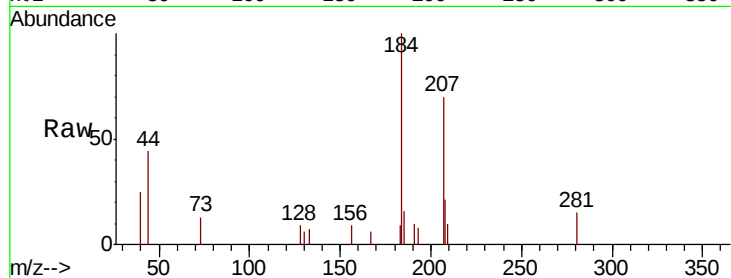
Tot Ion:184 Resp: 4802

Ion Ratio Lower Upper

184 100

185 15.8 12.6 18.8

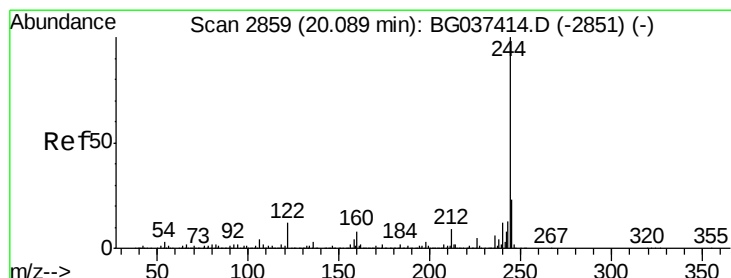
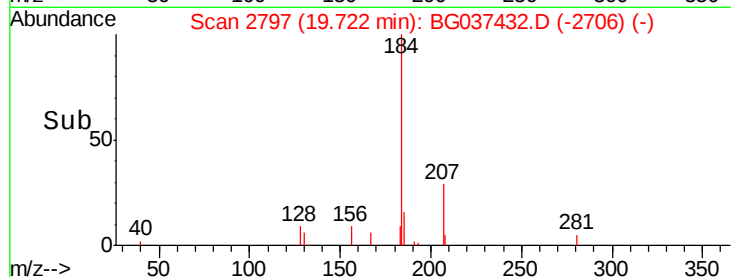
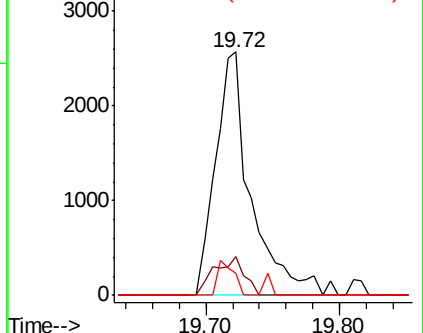
183 9.2 10.2 15.2#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 88.917 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG037432.D

Acq: 18 Oct 2018 23:10

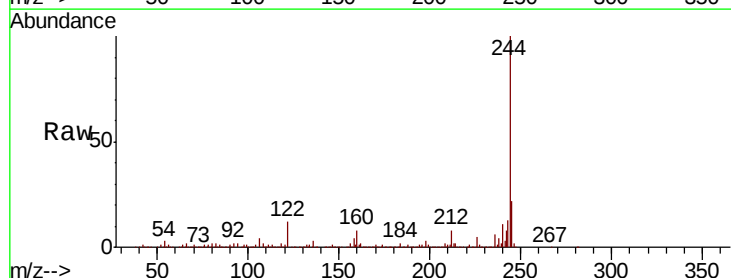
Tgt Ion:244 Resp: 1304295

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

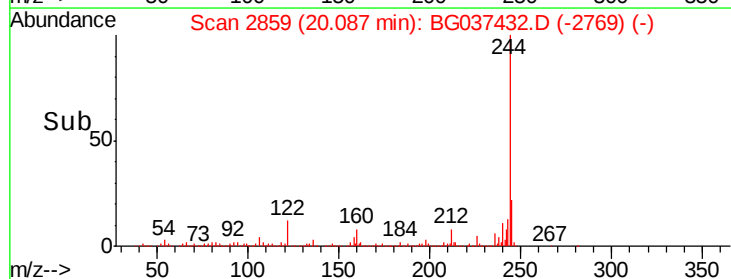
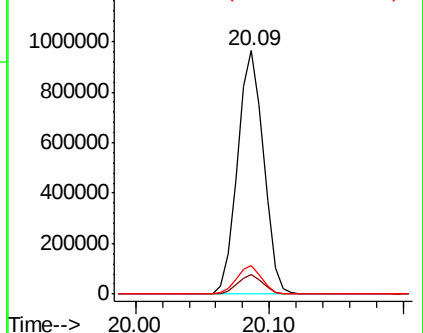
122 11.5 9.0 13.4

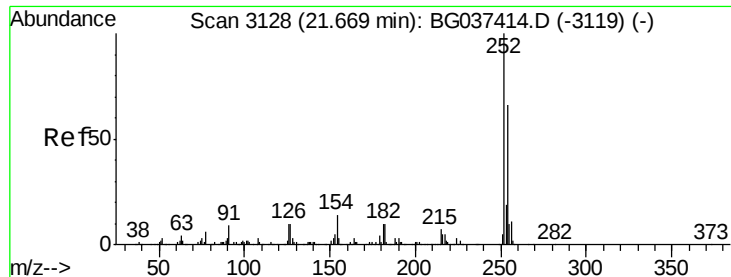


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#82

3,3'-Dichlorobenzidine

Concen: 1.220 ng

RT: 21.67 min Scan# 3128

Delta R.T. -0.00 min

Lab File: BG037432.D

Acq: 18 Oct 2018 23:10

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

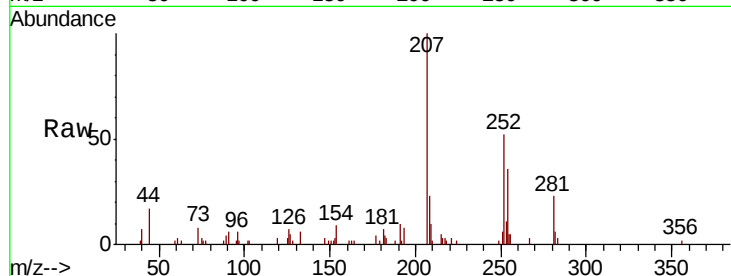
Tot Ion:252 Resp: 8766

Ion Ratio Lower Upper

252 100

254 68.2 52.0 78.0

126 13.9 8.2 12.4#

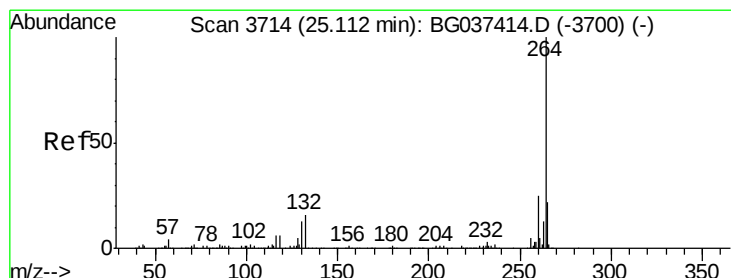
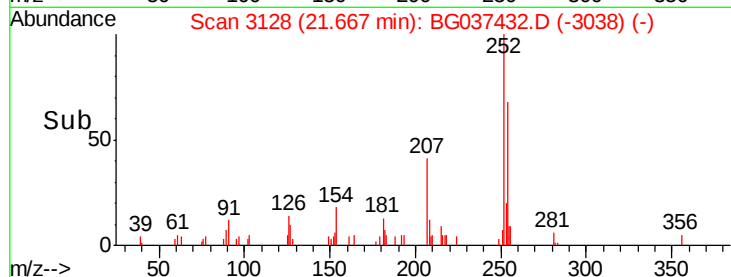
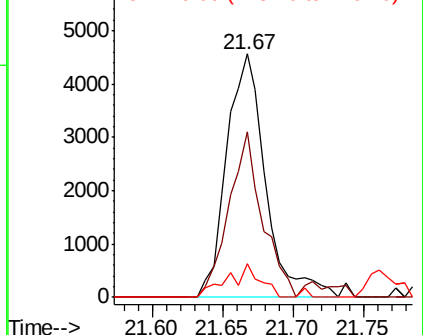


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.10 min Scan# 3713

Delta R.T. -0.01 min

Lab File: BG037432.D

Acq: 18 Oct 2018 23:10

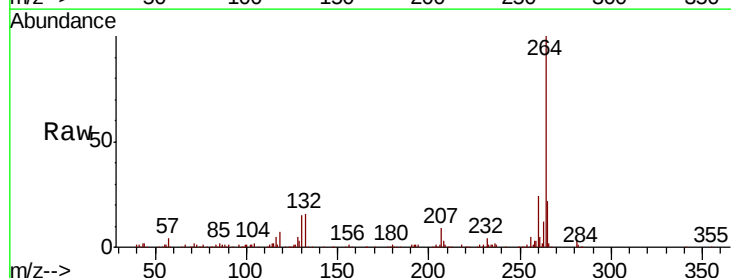
Tgt Ion:264 Resp: 304711

Ion Ratio Lower Upper

264 100

260 23.6 18.2 27.4

265 22.1 17.9 26.9



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

