

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010320\
 Data File : BG043891.D
 Acq On : 3 Jan 2020 17:17
 Operator : JU
 Sample : K6460-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 03 22:21:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	130186	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	573988	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	400789	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	865874	20.00	ng	0.00
76) Chrysene-d12	21.58	240	737703	20.00	ng	0.00
87) Perylene-d12	24.71	264	822333	20.00	ng	-0.01

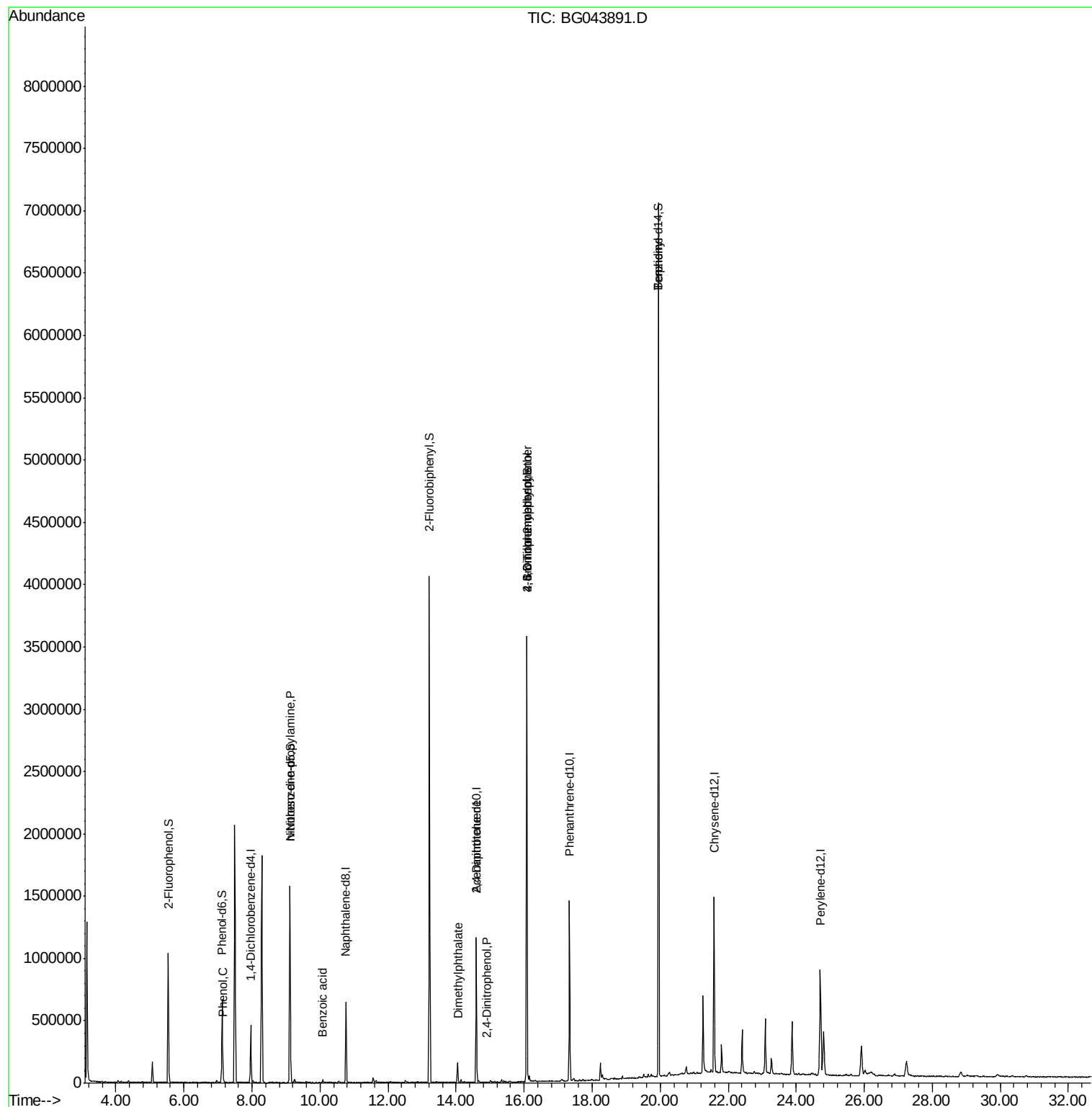
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	474228	66.88	ng	0.00
7) Phenol-d6	7.12	99	412684	41.64	ng	0.00
23) Nitrobenzene-d5	9.12	82	954768	88.98	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	617222	147.16	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1999634	90.39	ng	0.00
79) Terphenyl-d14	19.95	244	2716423	90.21	ng	0.00

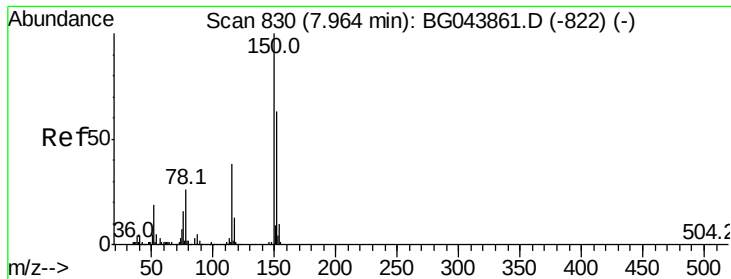
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.15	94	28401	2.781	ng	98
19) n-Nitroso-di-n-propylamine	9.12	70	127955	17.336	ng	# 79
32) Benzoic acid	10.06	122	78	6.273	ng	# 85
50) Dimethylphthalate	14.05	163	105351	3.702	ng	97
54) 2,4-Dinitrophenol	14.89	184	62	5.501	ng	# 20
57) 2,4-Dinitrotoluene	14.59	165	53140	6.072	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.07	198	2675	4.935	ng	# 1
67) 4-Bromophenyl-phenylether	16.08	248	46472	4.772	ng	# 1
77) Benzidine	19.95	184	61126	3.297	ng	# 92

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

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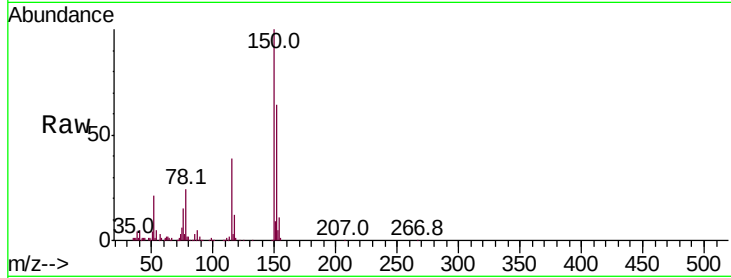




#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 830
Delta R.T. 0.00 min
Lab File: BG043891.D
Acq: 3 Jan 2020 17:17

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	127.0	190.4
115	60.6	47.8	71.8

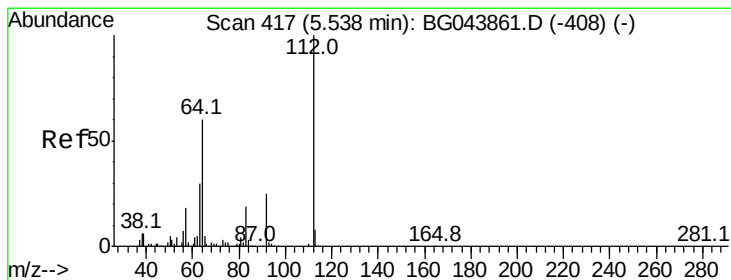
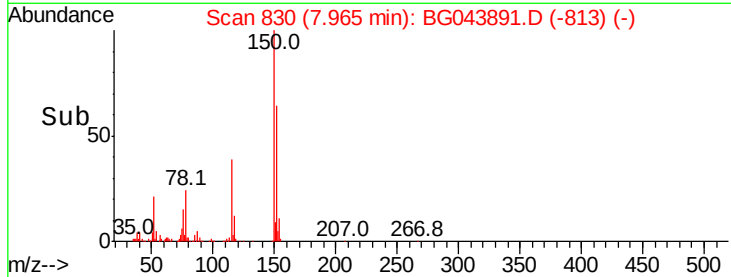
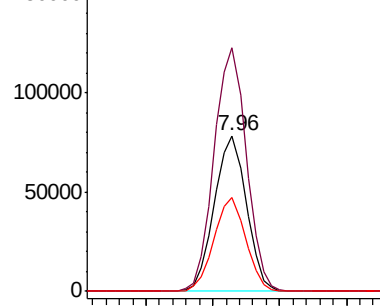


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

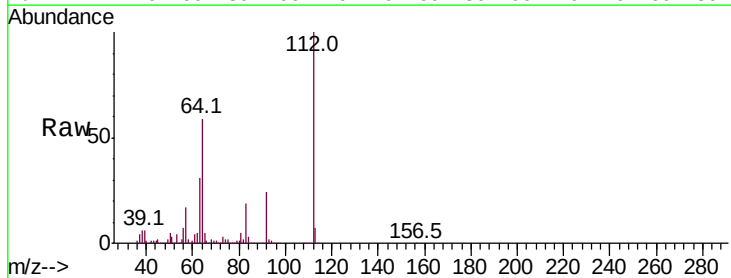
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 66.884 ng
RT: 5.54 min Scan# 417
Delta R.T. 0.00 min
Lab File: BG043891.D
Acq: 3 Jan 2020 17:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	47.8	71.6
63	31.4	24.3	36.5

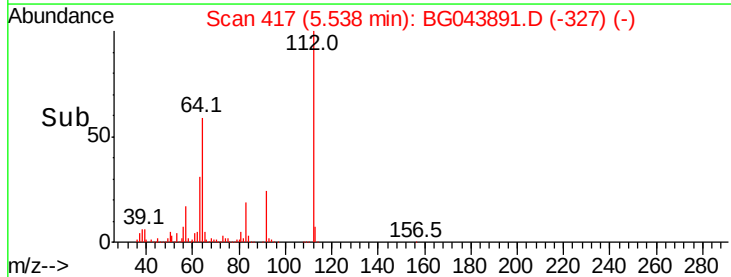
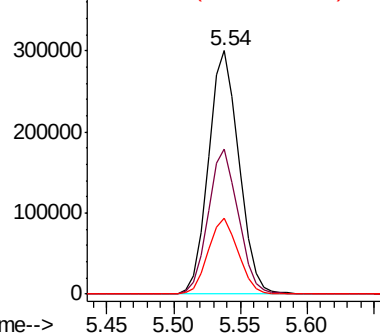


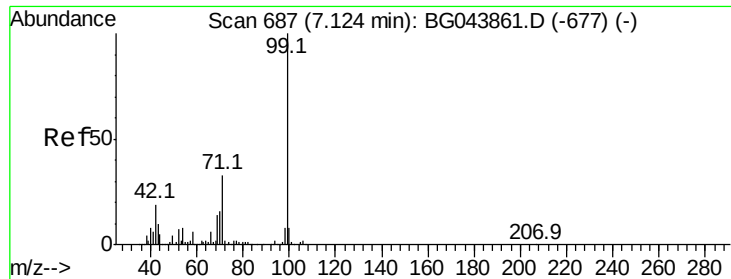
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 41.639 ng

RT: 7.12 min Scan# 686

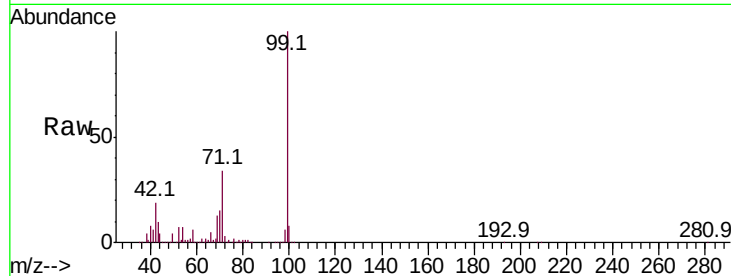
Delta R.T. -0.01 min

Lab File: BG043891.D

Acq: 3 Jan 2020 17:17

Tot Ion: 99 Resp: 412684

Ion	Ratio	Lower	Upper
99	100		
42	18.7	14.9	22.3
71	33.5	26.4	39.6



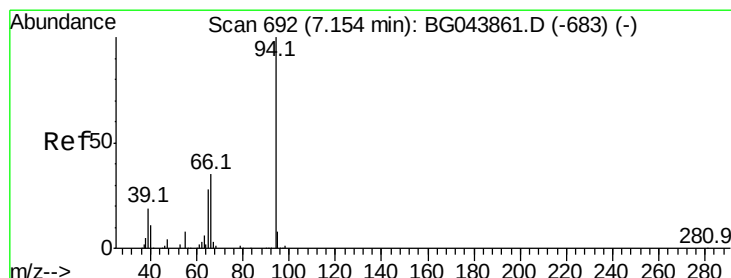
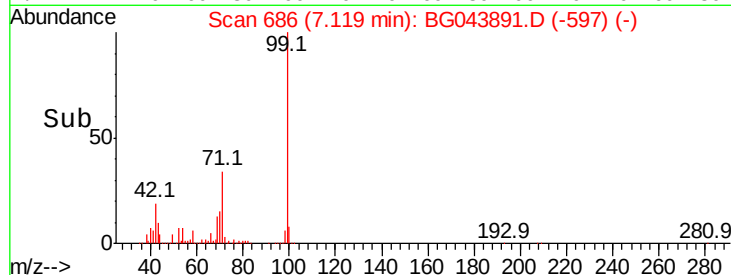
Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

7.12

Time-->



#10

Phenol

Concen: 2.781 ng

RT: 7.15 min Scan# 691

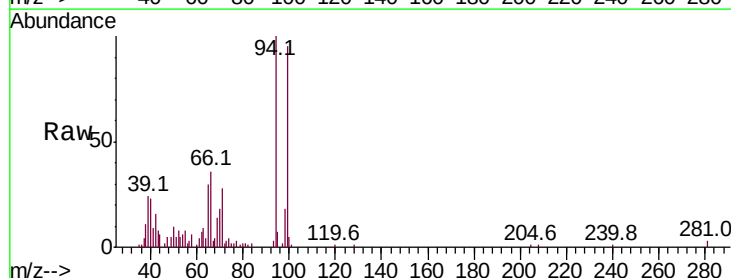
Delta R.T. -0.01 min

Lab File: BG043891.D

Acq: 3 Jan 2020 17:17

Tgt Ion: 94 Resp: 28401

Ion	Ratio	Lower	Upper
94	100		
65	29.5	8.1	48.1
66	36.1	15.6	55.6



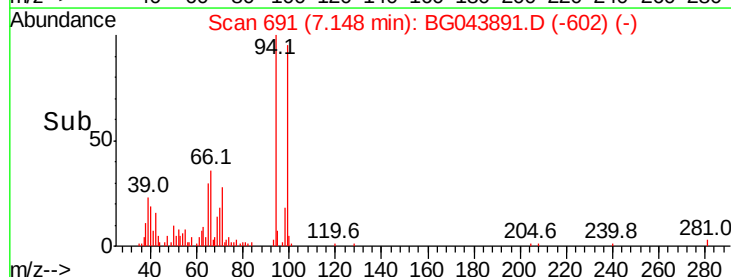
Abundance Ion 94.00 (93.70 to 94.70): BGC

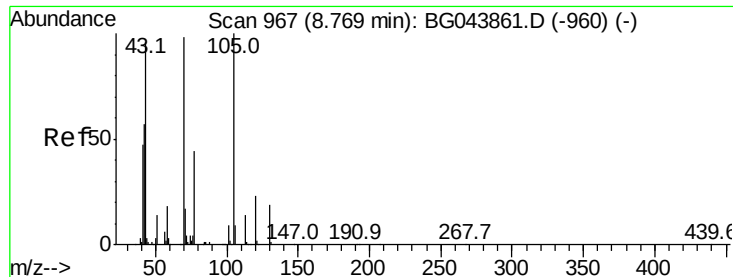
Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

7.15

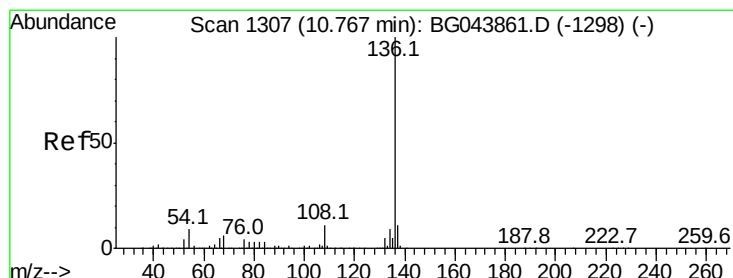
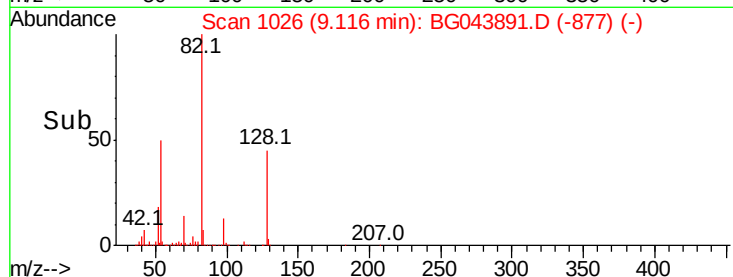
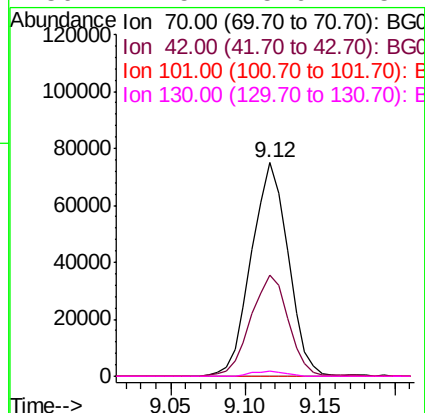
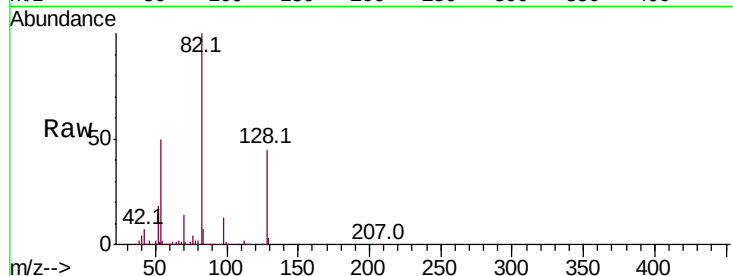
Time-->





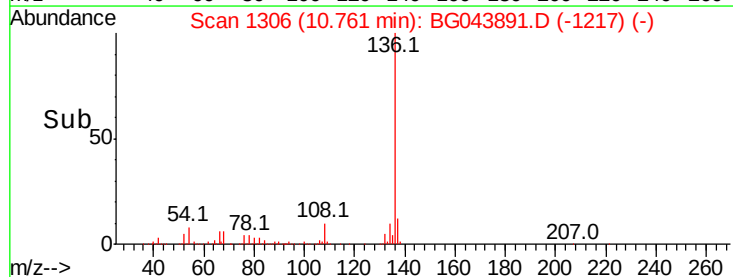
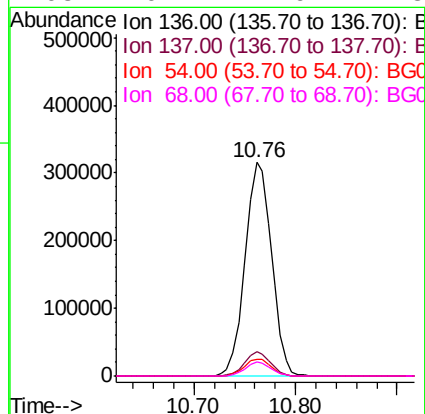
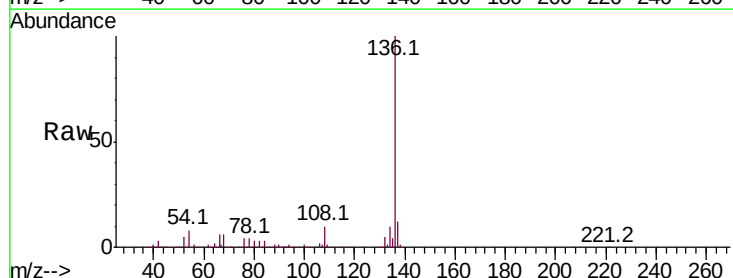
#19
n-Nitroso-di-n-propylamine
Concen: 17.336 ng
RT: 9.12 min Scan# 1026
Delta R.T. 0.35 min
Lab File: BG043891.D
Acq: 3 Jan 2020 17:17

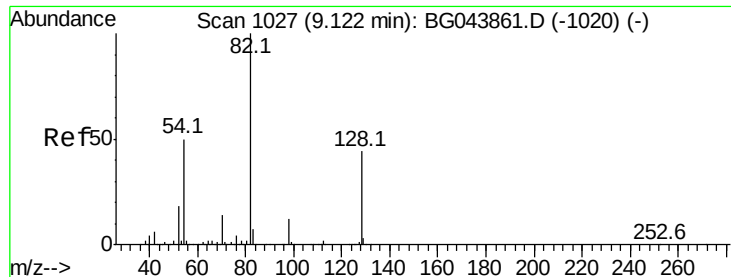
Tot Ion: 70 Resp: 127955
Ion Ratio Lower Upper
70 100
42 47.2 47.0 70.4
101 0.3 7.2 10.8#
130 2.5 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BG043891.D
Acq: 3 Jan 2020 17:17

Tgt Ion: 136 Resp: 573988
Ion Ratio Lower Upper
136 100
137 11.6 8.8 13.2
54 8.1 7.0 10.4
68 6.4 4.9 7.3





#23

Nitrobenzene-d5

Concen: 88.985 ng

RT: 9.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BG043891.D

Acq: 3 Jan 2020 17:17

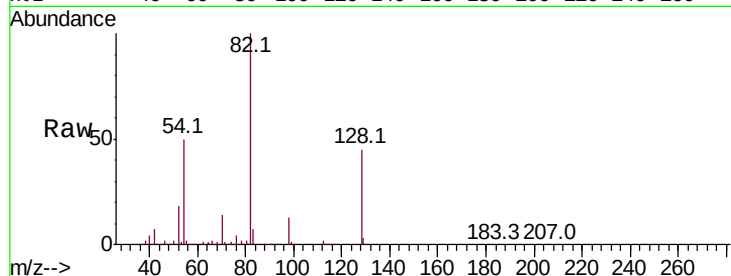
Tot Ion: 82 Resp: 954768

Ion Ratio Lower Upper

82 100

128 44.7 35.1 52.7

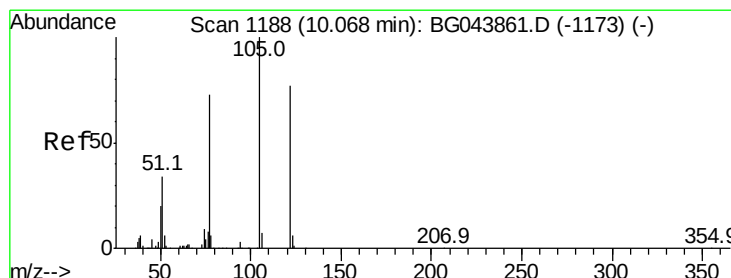
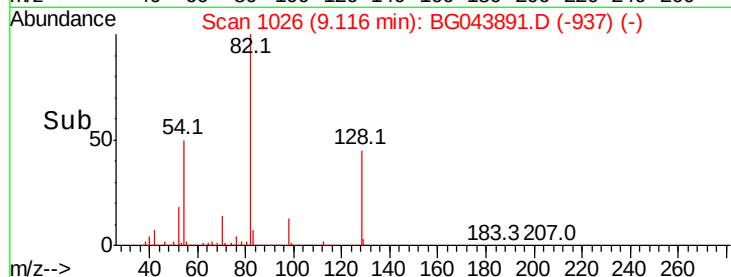
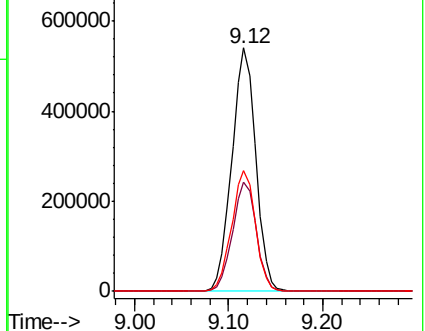
54 49.8 40.1 60.1



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#32

Benzoic acid

Concen: 6.273 ng

RT: 10.06 min Scan# 1187

Delta R.T. -0.00 min

Lab File: BG043891.D

Acq: 3 Jan 2020 17:17

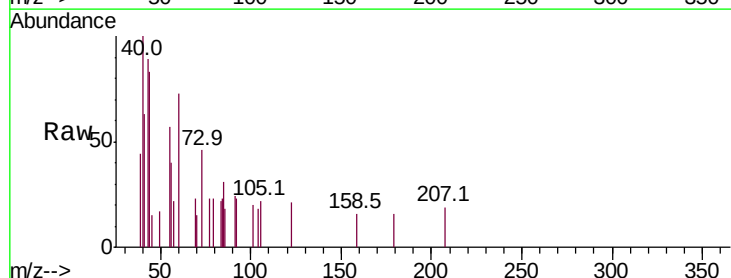
Tgt Ion: 122 Resp: 78

Ion Ratio Lower Upper

122 100

105 105.0 106.4 146.4#

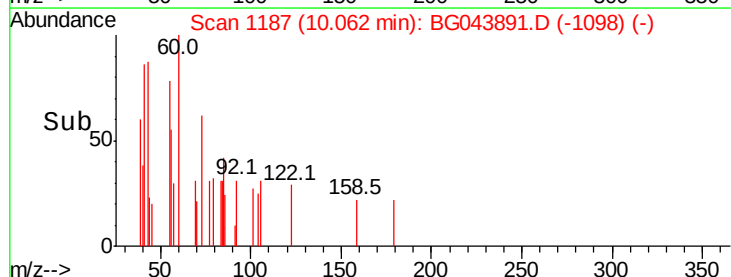
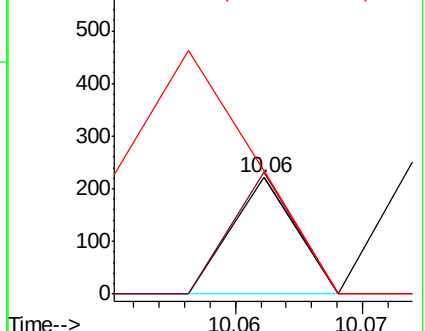
77 105.4 74.6 114.6

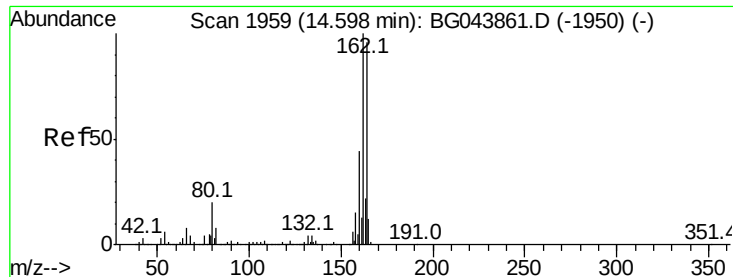


Abundance Ion 122.00 (121.70 to 122.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.59 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BG043891.D

Acq: 3 Jan 2020 17:17

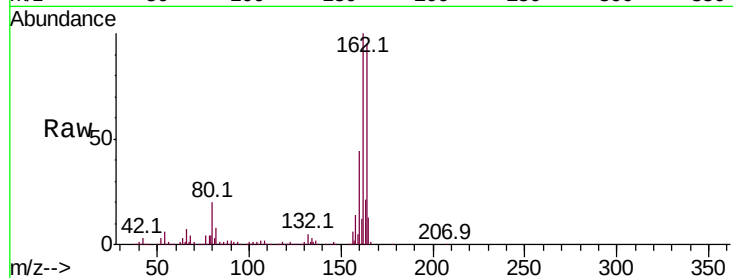
Tot Ion:164 Resp: 400789

Ion Ratio Lower Upper

164 100

162 105.3 83.0 124.4

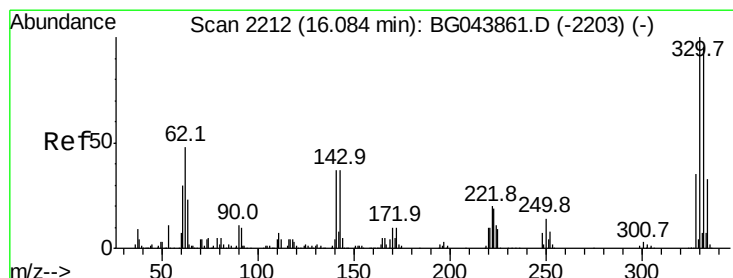
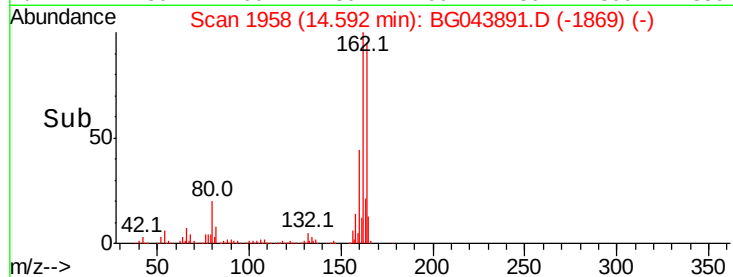
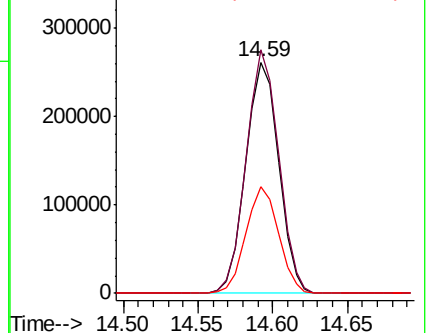
160 46.3 36.1 54.1



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: 147.162 ng

RT: 16.08 min Scan# 2211

Delta R.T. -0.01 min

Lab File: BG043891.D

Acq: 3 Jan 2020 17:17

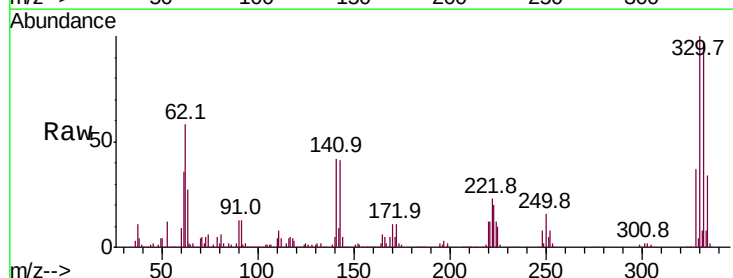
Tgt Ion:330 Resp: 617222

Ion Ratio Lower Upper

330 100

332 95.5 77.2 115.8

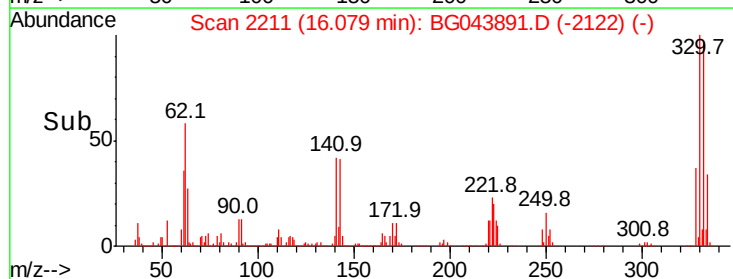
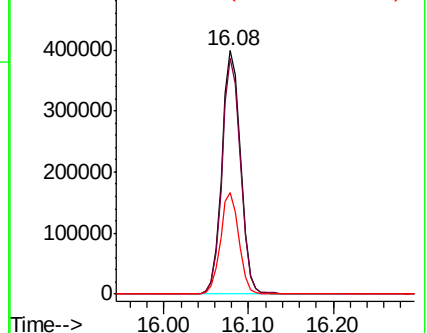
141 41.2 33.1 49.7

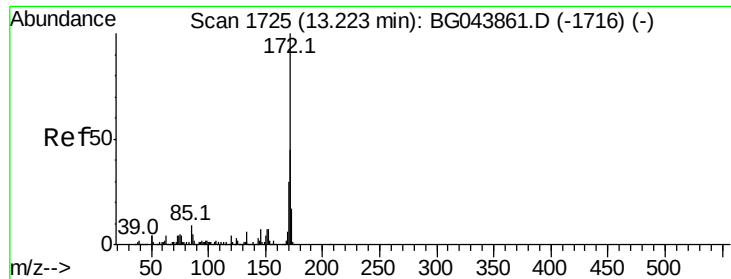


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

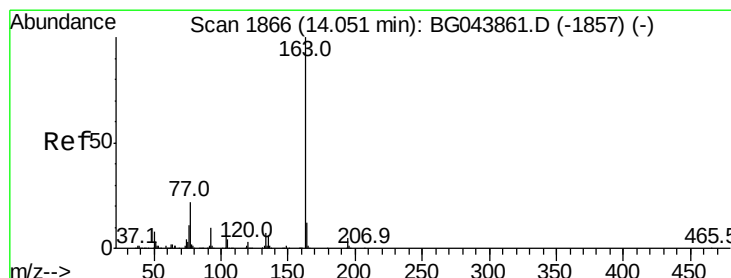
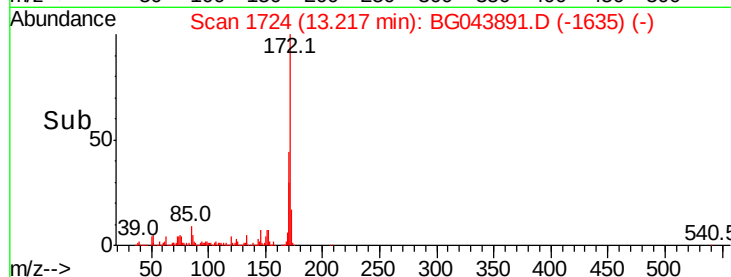
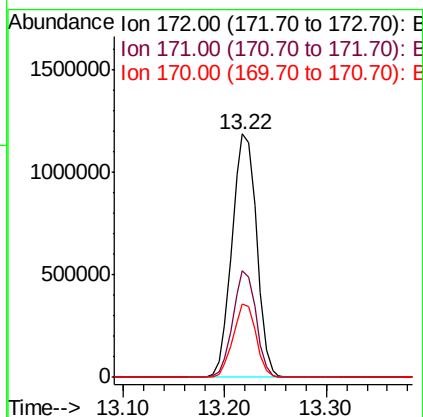
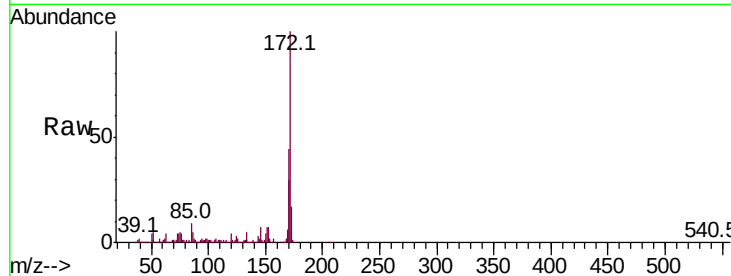




#45
2-Fluorobiphenyl
Concen: 90.394 ng
RT: 13.22 min Scan# 1724
Delta R.T. -0.01 min
Lab File: BG043891.D
Acq: 3 Jan 2020 17:17

Tot Ion:172 Resp: 1999634

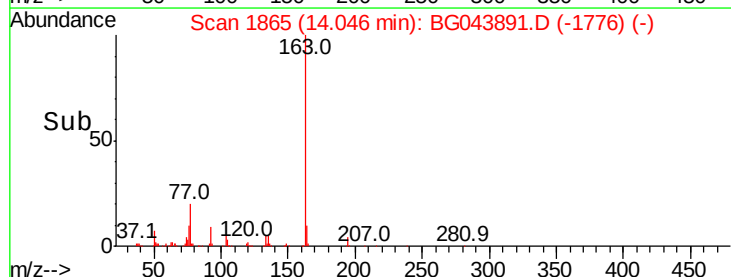
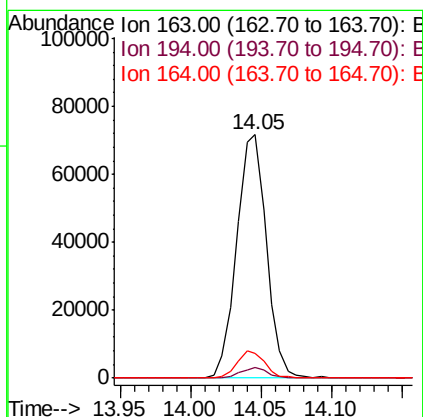
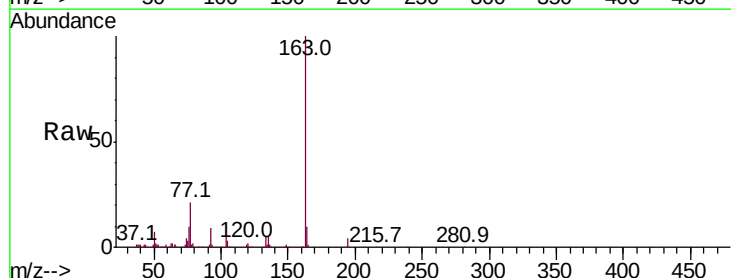
Ion	Ratio	Lower	Upper
172	100		
171	43.6	35.8	53.8
170	30.1	24.2	36.4

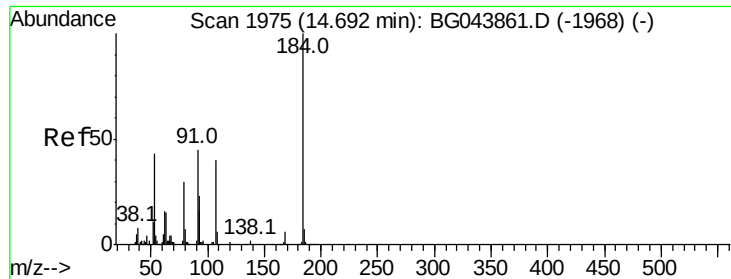


#50
Dimethylphthalate
Concen: 3.702 ng
RT: 14.05 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BG043891.D
Acq: 3 Jan 2020 17:17

Tgt Ion:163 Resp: 105351

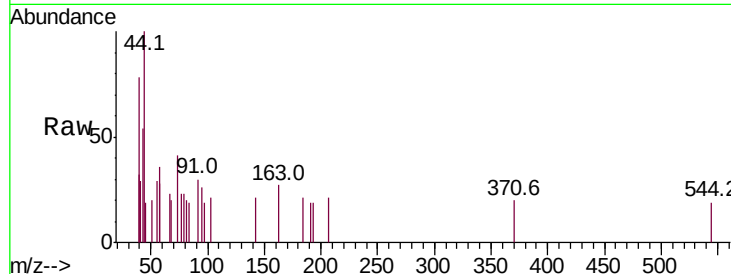
Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.7	5.5
164	10.0	9.3	13.9



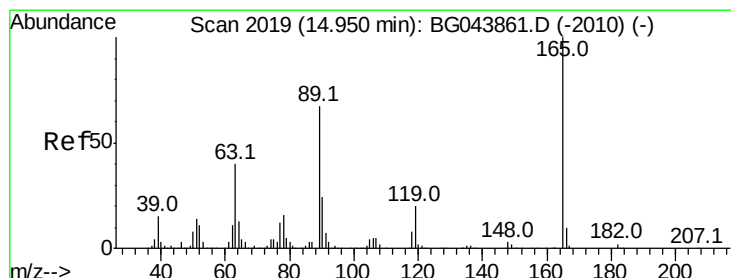
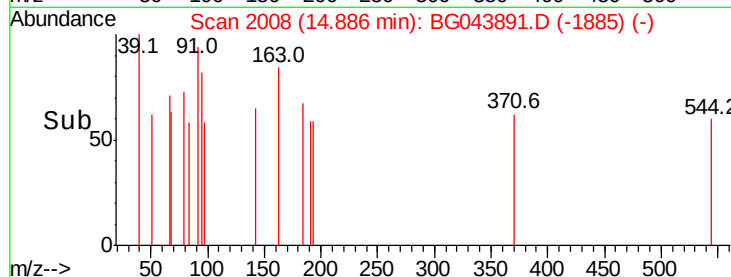
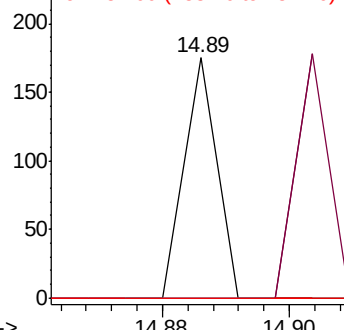


#54
2,4-Dinitrophenol
Concen: 5.501 ng
RT: 14.89 min Scan# 2008
Delta R.T. 0.19 min
Lab File: BG043891.D
Acq: 3 Jan 2020 17:17

Tot Ion:184 Resp: 62
Ion Ratio Lower Upper
184 100
63 0.0 46.6 70.0#
154 0.0 50.2 75.4#

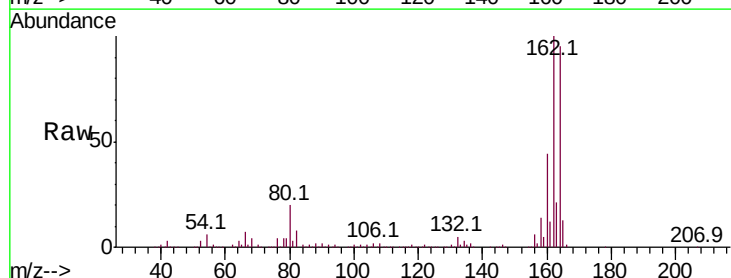


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG0
Ion 154.00 (153.70 to 154.70): E

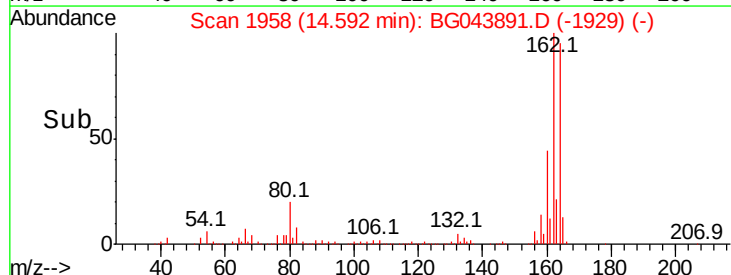
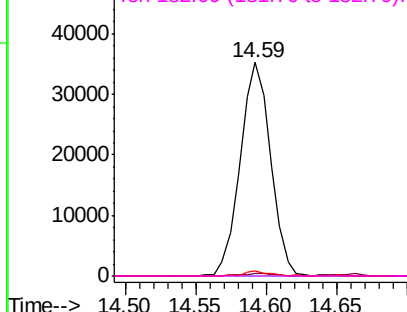


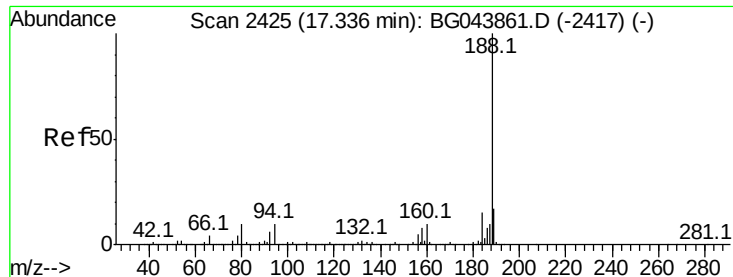
#57
2,4-Dinitrotoluene
Concen: 6.072 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.36 min
Lab File: BG043891.D
Acq: 3 Jan 2020 17:17

Tgt Ion:165 Resp: 53140
Ion Ratio Lower Upper
165 100
63 1.1 31.9 47.9#
89 2.2 53.8 80.6#
182 0.0 2.0 3.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG0
Ion 89.00 (88.70 to 89.70): BG0
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.34 min Scan# 2425

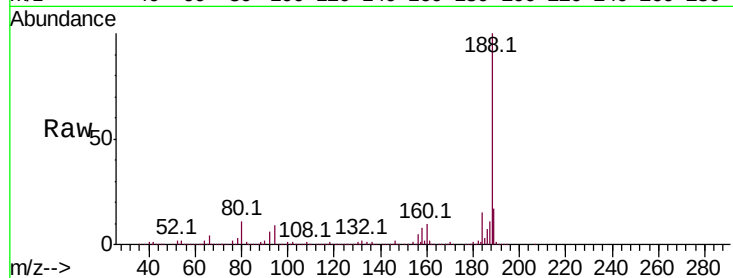
Delta R.T. 0.00 min

Lab File: BG043891.D

Acq: 3 Jan 2020 17:17

Tot Ion:188 Resp: 865874

Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.9	11.9
80	11.0	8.2	12.4

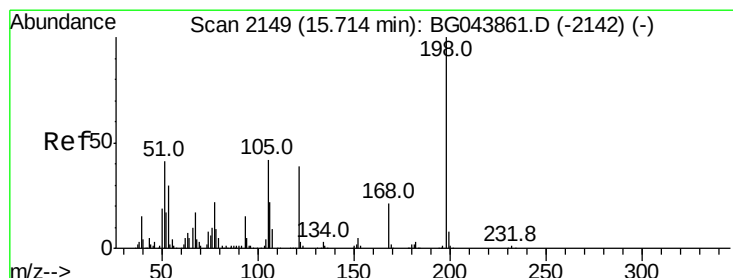
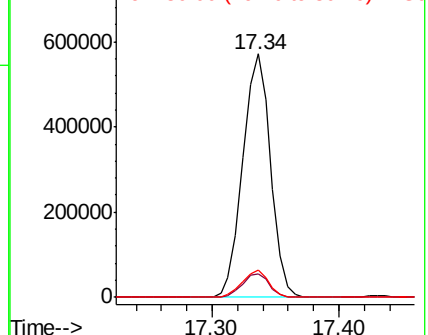
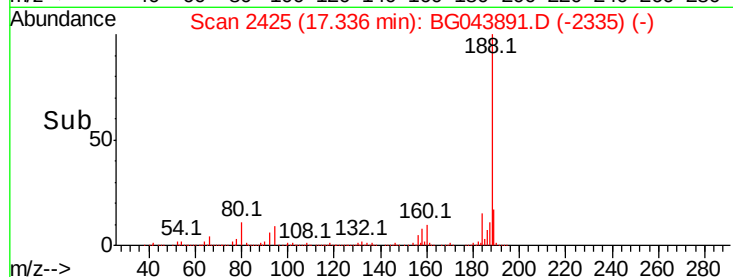


Abundance

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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.935 ng

RT: 16.07 min Scan# 2210

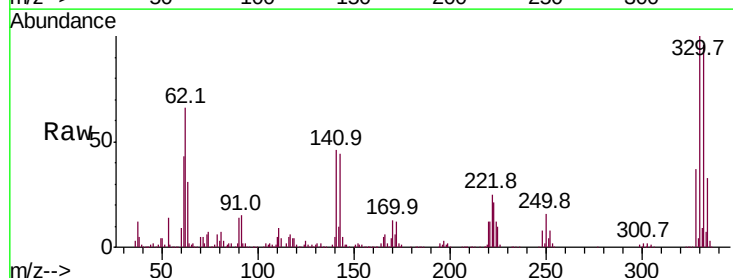
Delta R.T. 0.36 min

Lab File: BG043891.D

Acq: 3 Jan 2020 17:17

Tgt Ion:198 Resp: 2675

Ion	Ratio	Lower	Upper
198	100		
51	102.5	22.5	62.5#
105	147.0	22.3	62.3#

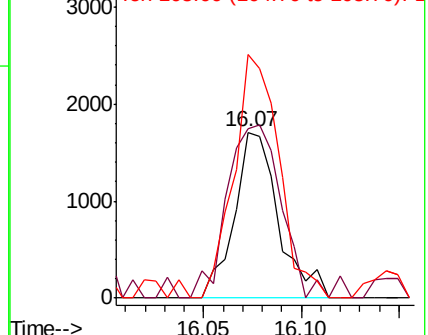
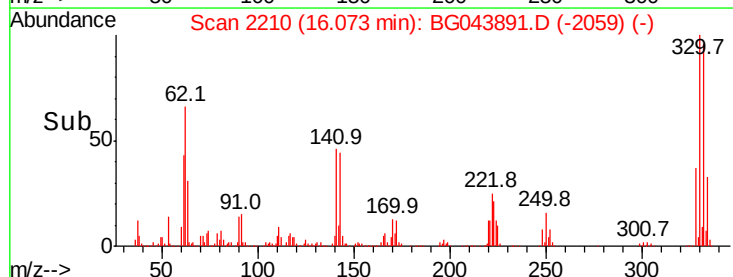


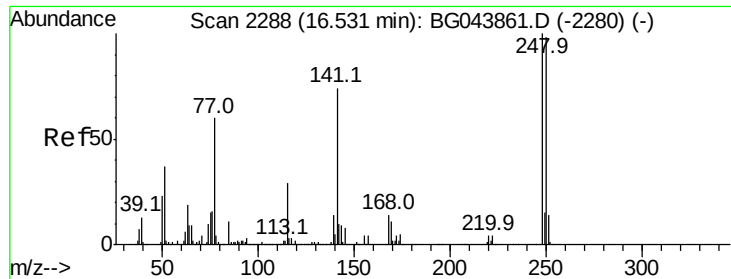
Abundance

Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

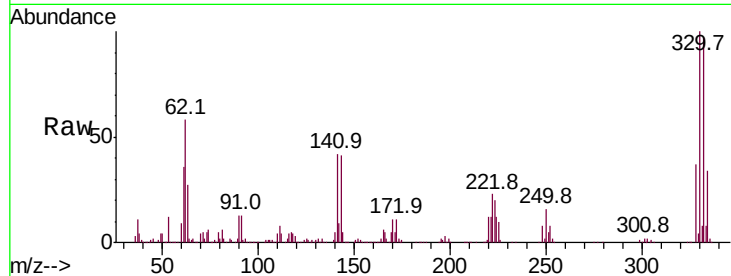
Ion 105.00 (104.70 to 105.70): E



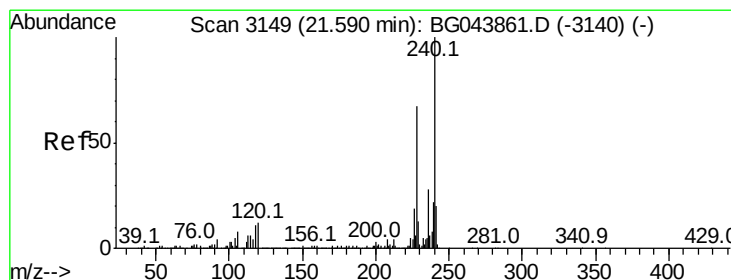
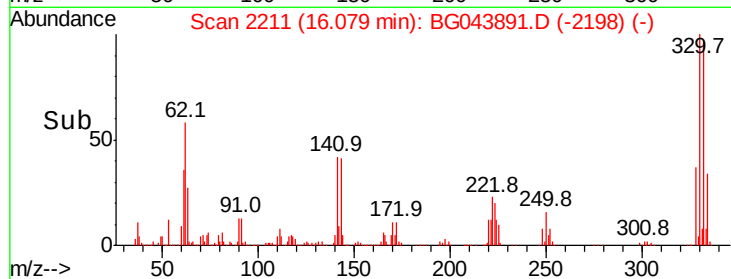
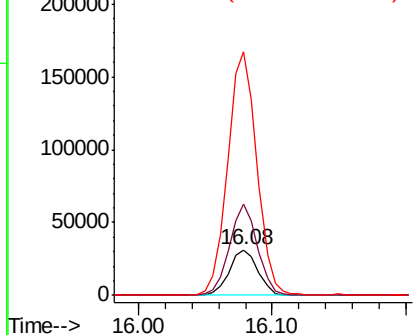


#67
 4-Bromophenyl-phenylether
 Concen: 4.772 ng
 RT: 16.08 min Scan# 2211
 Delta R.T. -0.45 min
 Lab File: BG043891.D
 Acq: 3 Jan 2020 17:17

Tot Ion:248 Resp: 46472
 Ion Ratio Lower Upper
 248 100
 250 201.2 78.2 117.2#
 141 537.7 59.3 88.9#

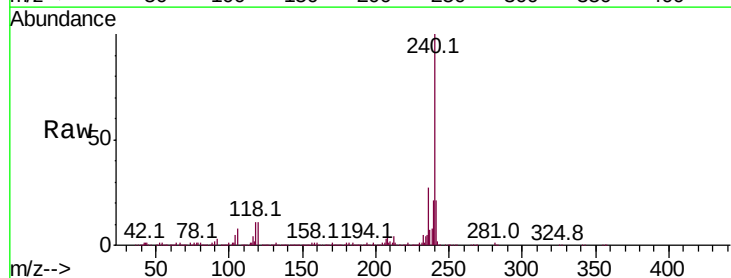


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

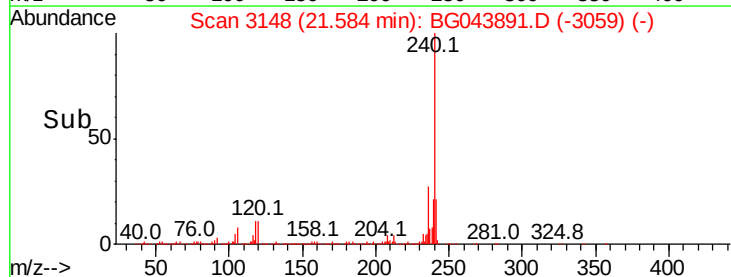
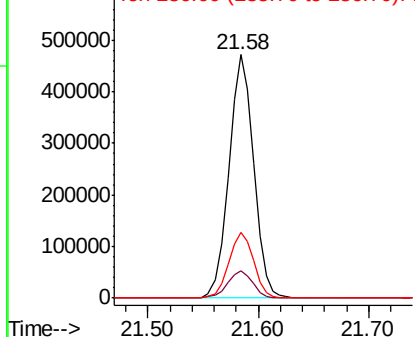


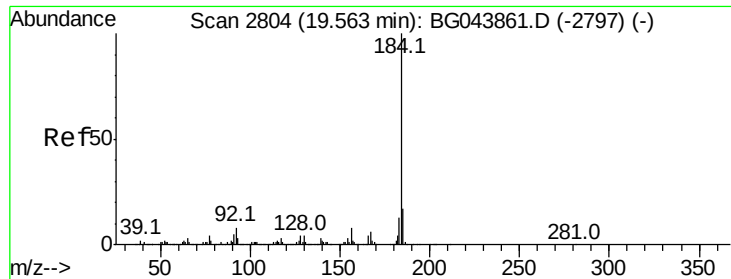
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.58 min Scan# 3148
 Delta R.T. -0.01 min
 Lab File: BG043891.D
 Acq: 3 Jan 2020 17:17

Tgt Ion:240 Resp: 737703
 Ion Ratio Lower Upper
 240 100
 120 11.2 9.6 14.4
 236 27.1 22.2 33.2



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: 3.297 ng

RT: 19.95 min Scan# 2870

Delta R.T. 0.39 min

Lab File: BG043891.D

Acq: 3 Jan 2020 17:17

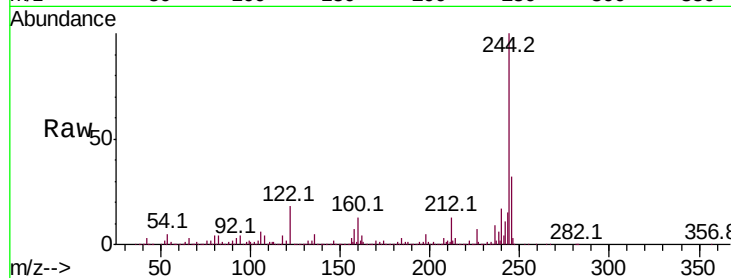
Tot Ion:184 Resp: 61126

Ion Ratio Lower Upper

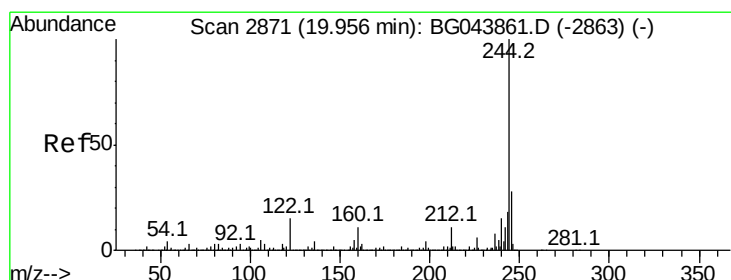
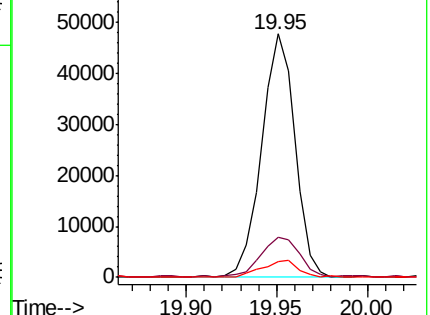
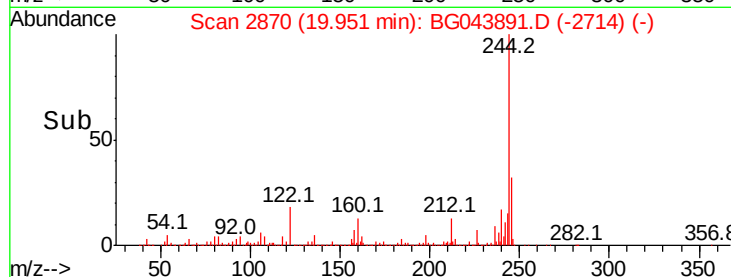
184 100

185 16.7 13.4 20.0

183 6.4 10.6 15.8#



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: 90.214 ng

RT: 19.95 min Scan# 2870

Delta R.T. -0.01 min

Lab File: BG043891.D

Acq: 3 Jan 2020 17:17

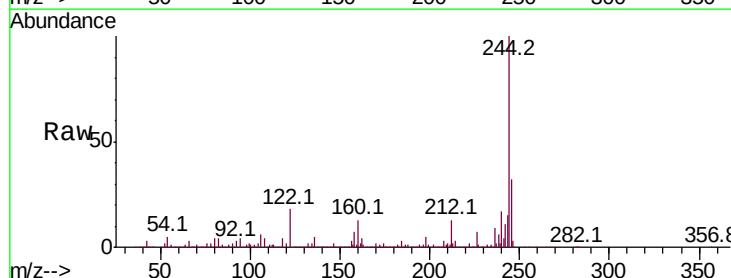
Tgt Ion:244 Resp: 2716423

Ion Ratio Lower Upper

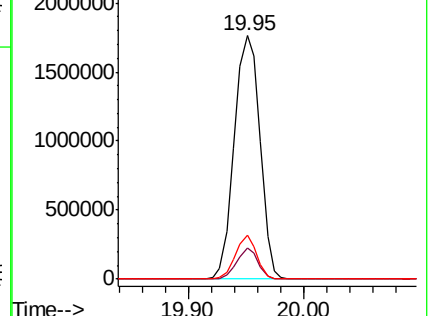
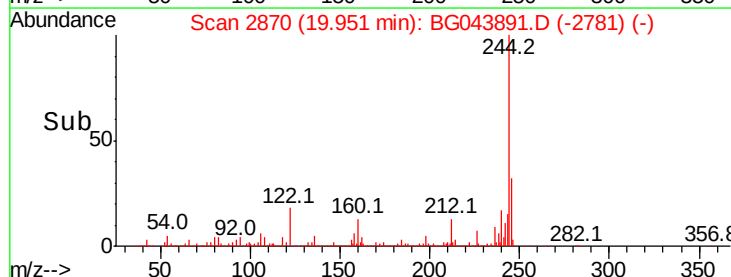
244 100

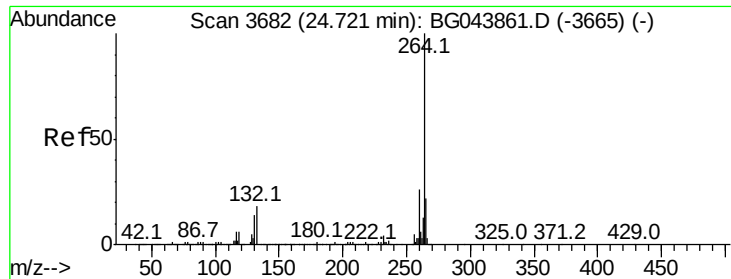
212 12.7 8.6 13.0

122 17.9 11.9 17.9#



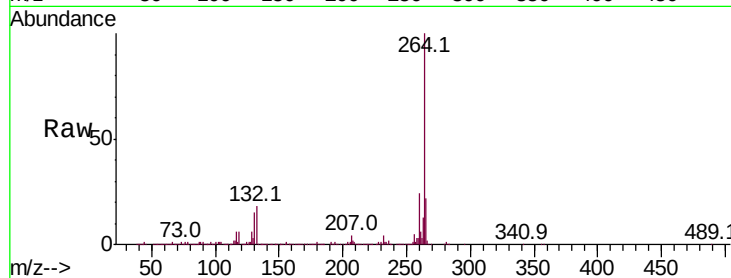
Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.71 min Scan# 3680
Delta R.T. -0.01 min
Lab File: BG043891.D
Acq: 3 Jan 2020 17:17

Tot Ion:	264	Resp:	822333
Ion	Ratio	Lower	Upper
264	100		
260	24.1	20.4	30.6
265	21.9	17.4	26.2



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

