

Data File : BG043896.D
Acq On : 3 Jan 2020 20:34
Operator : JU
Sample : K6464-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 04 04:42:33 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	136013	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	578249	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	385549	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	860327	20.00	ng	0.00
76) Chrysene-d12	21.58	240	739732	20.00	ng	0.00
87) Perylene-d12	24.71	264	826468	20.00	ng	-0.01

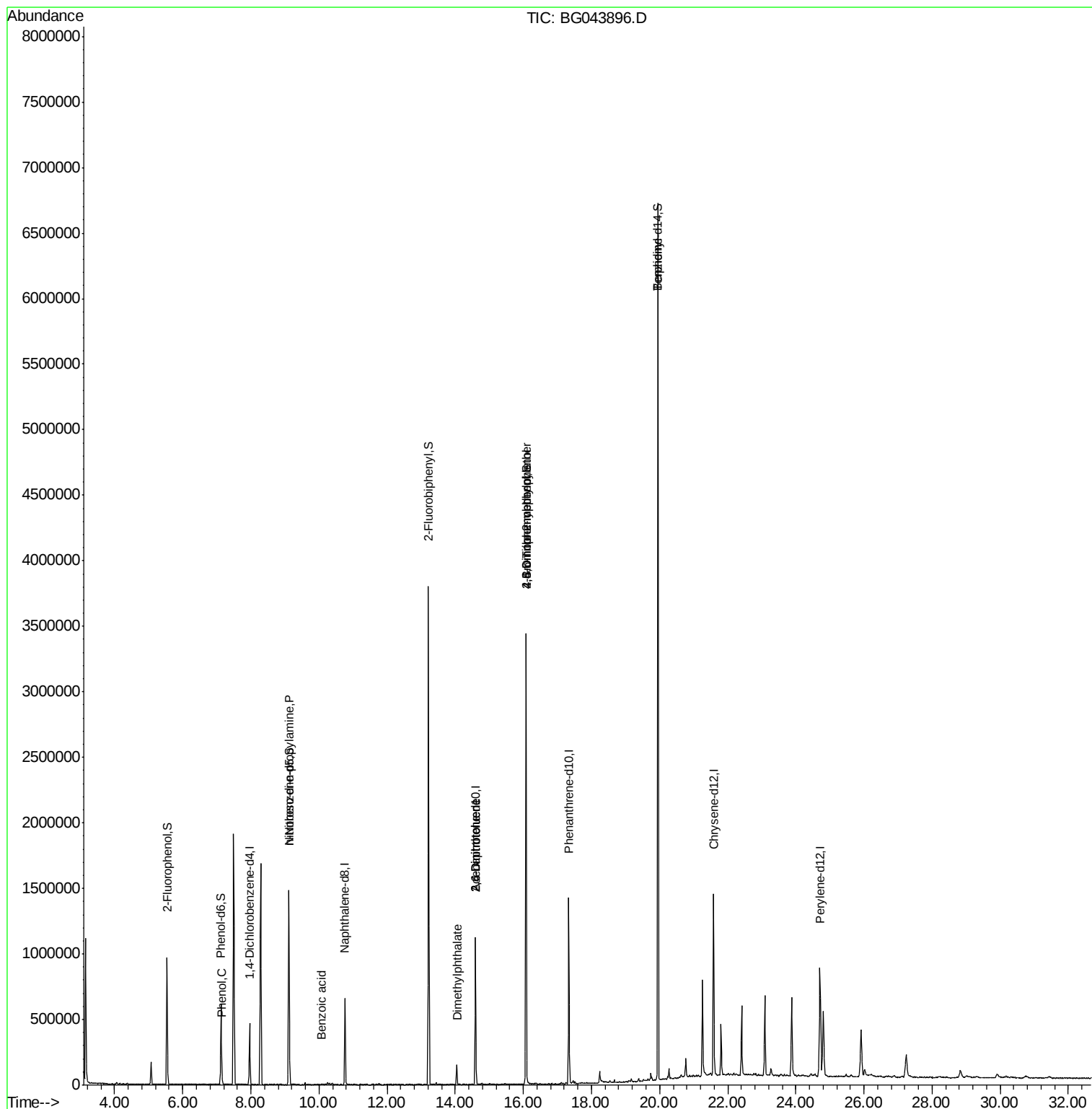
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	436988	58.99	ng	0.00
7) Phenol-d6	7.12	99	380570	36.75	ng	0.00
23) Nitrobenzene-d5	9.12	82	901777	83.43	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	595673	147.64	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1936963	91.02	ng	0.00
79) Terphenyl-d14	19.95	244	2738923	90.90	ng	0.00

Target Compounds				Qvalue		
10) Phenol	7.15	94	29844	2.797	ng	90
19) n-Nitroso-di-n-propylamine	9.12	70	120412	15.615	ng	# 82
32) Benzoic acid	10.08	122	55	6.270	ng	# 1
50) Dimethylphthalate	14.05	163	103863	3.794	ng	# 95
51) 2,6-Dinitrotoluene	14.59	165	51802	8.372	ng	# 26
57) 2,4-Dinitrotoluene	14.59	165	51802	6.153	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.08	198	2011	4.802	ng	# 1
67) 4-Bromophenyl-phenylether	16.08	248	44033	4.551	ng	# 1
77) Benzidine	19.95	184	59657	3.208	ng	# 94

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

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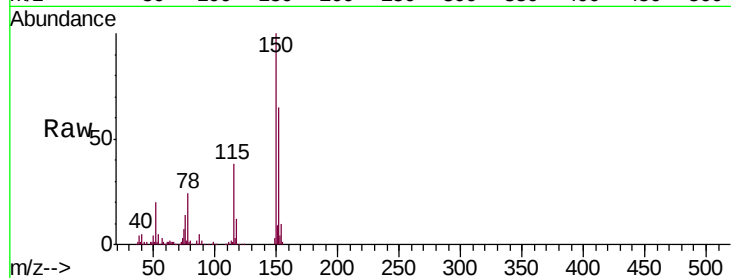




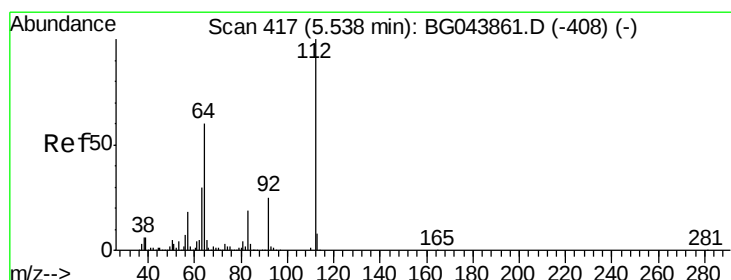
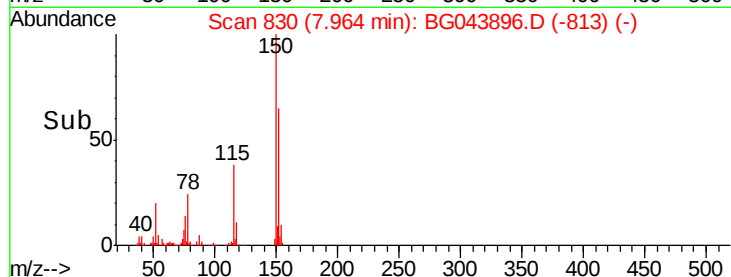
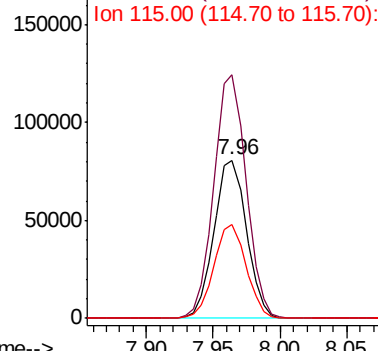
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 830
Delta R.T. -0.00 min
Lab File: BG043896.D
Acq: 3 Jan 2020 20:34

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.7	127.0	190.4
115	59.0	47.8	71.8



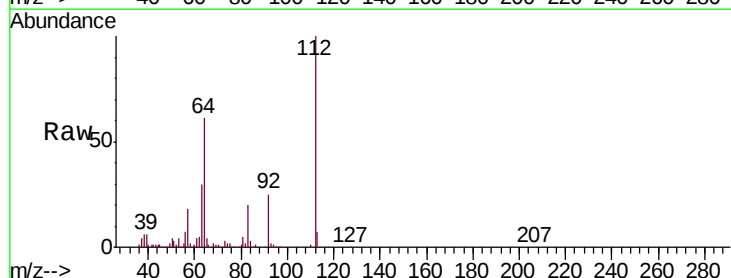
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



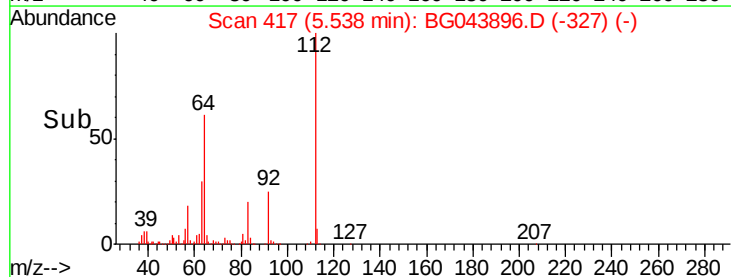
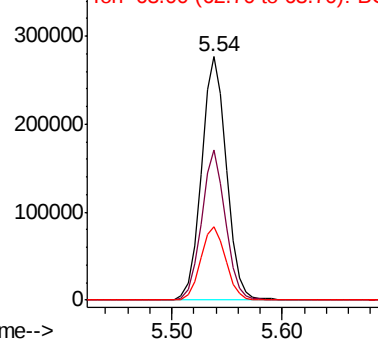
#5

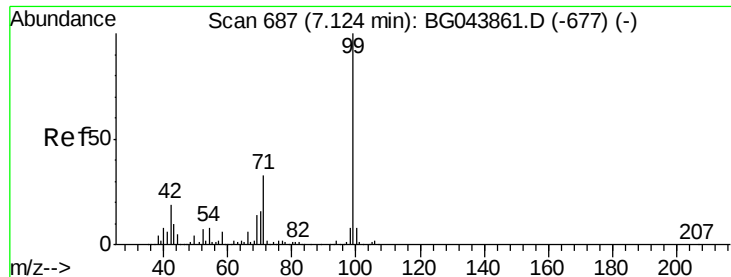
2-Fluorophenol
Concen: 58.992 ng
RT: 5.54 min Scan# 417
Delta R.T. -0.00 min
Lab File: BG043896.D
Acq: 3 Jan 2020 20:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.5	47.8	71.6
63	30.2	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: 36.754 ng

RT: 7.12 min Scan# 687

Delta R.T. -0.00 min

Lab File: BG043896.D

Acq: 3 Jan 2020 20:34

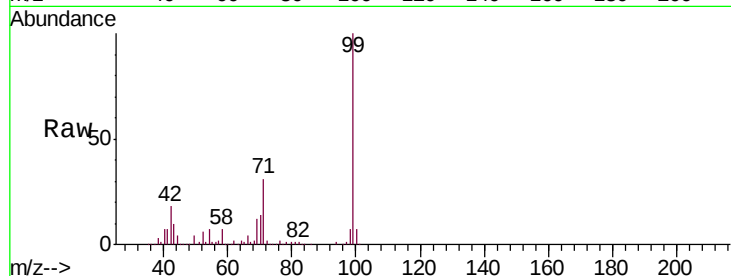
Tgt Ion: 99 Resp: 380570

Ion Ratio Lower Upper

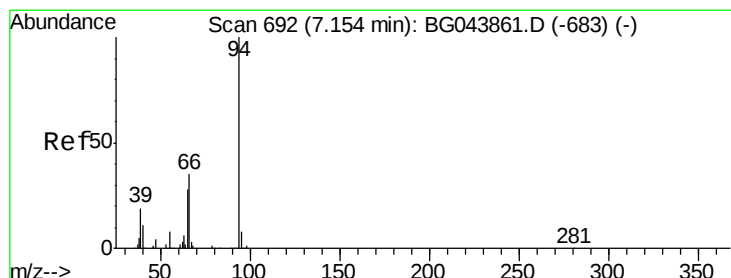
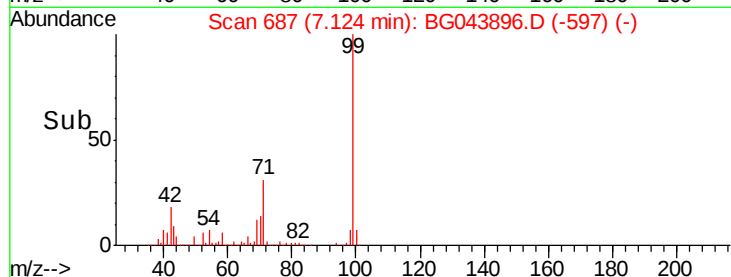
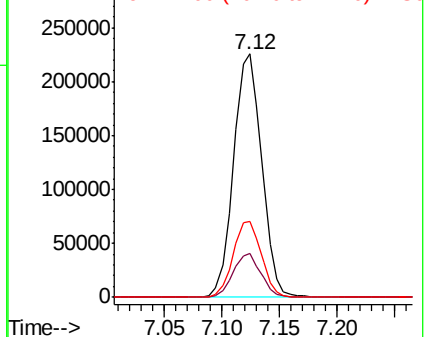
99 100

42 18.0 14.9 22.3

71 31.2 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



#10

Phenol

Concen: 2.797 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.01 min

Lab File: BG043896.D

Acq: 3 Jan 2020 20:34

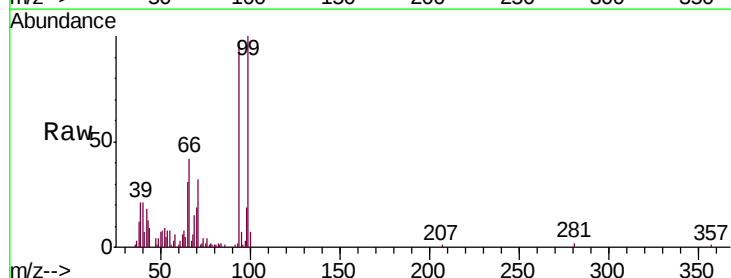
Tgt Ion: 94 Resp: 29844

Ion Ratio Lower Upper

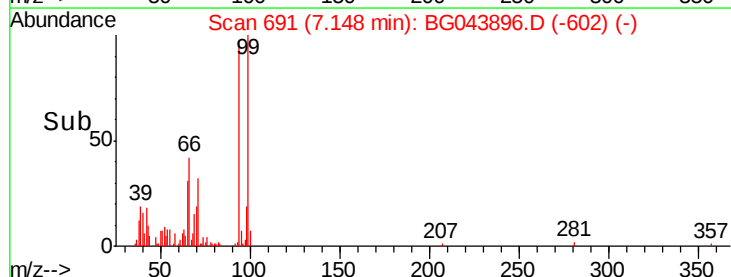
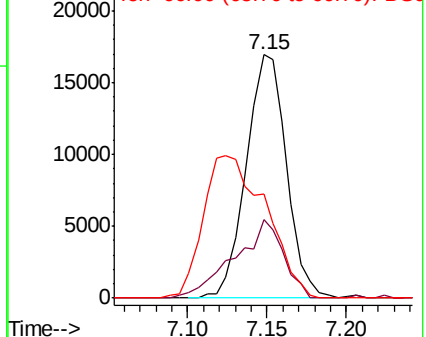
94 100

65 32.2 8.1 48.1

66 43.0 15.6 55.6



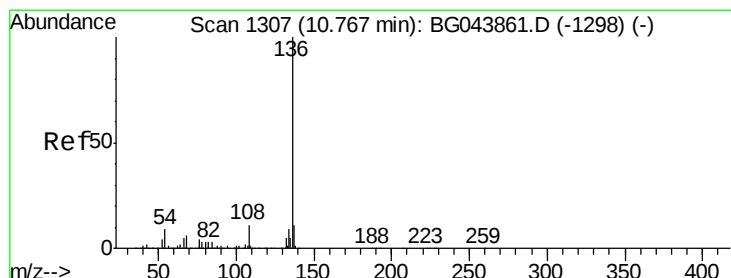
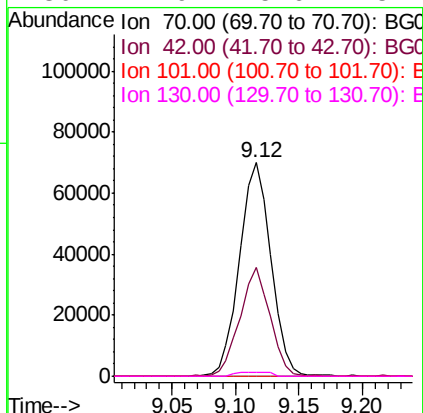
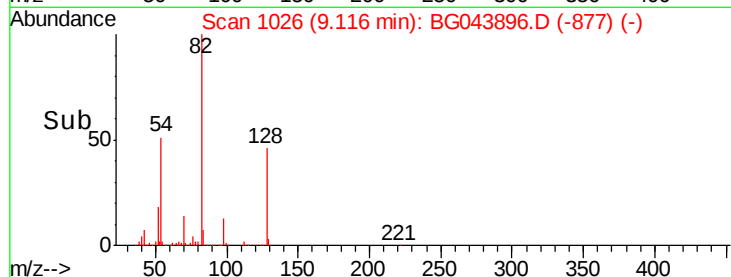
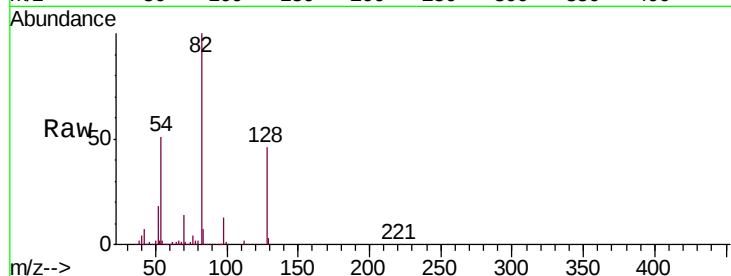
Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





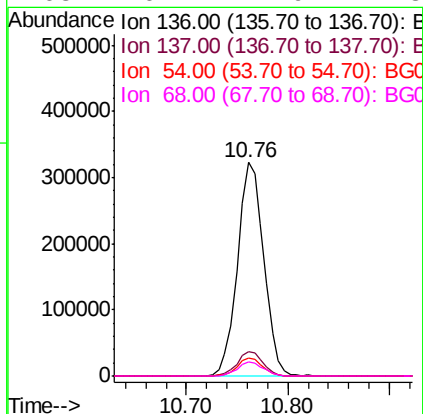
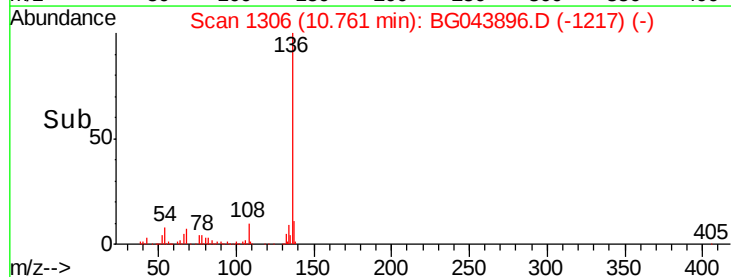
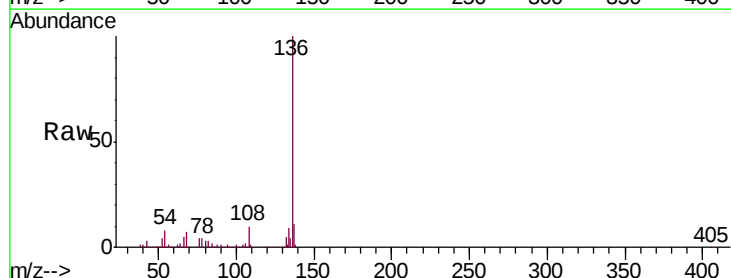
#19
n-Nitroso-di-n-propylamine
Concen: 15.615 ng
RT: 9.12 min Scan# 1026
Delta R.T. 0.35 min
Lab File: BG043896.D
Acq: 3 Jan 2020 20:34

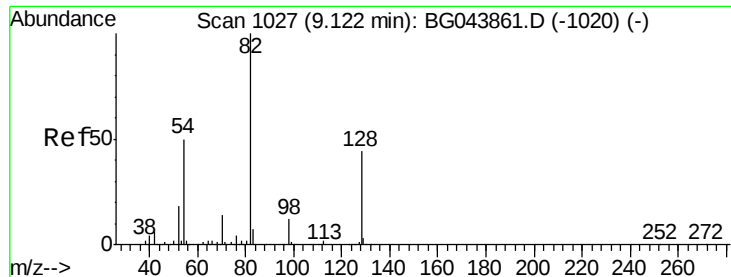
Tgt Ion: 70 Resp: 120412
Ion Ratio Lower Upper
70 100
42 50.7 47.0 70.4
101 0.0 7.2 10.8#
130 1.9 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BG043896.D
Acq: 3 Jan 2020 20:34

Tgt Ion: 136 Resp: 578249
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 8.2 7.0 10.4
68 6.7 4.9 7.3





#23

Nitrobenzene-d5

Concen: 83.427 ng

RT: 9.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BG043896.D

Acq: 3 Jan 2020 20:34

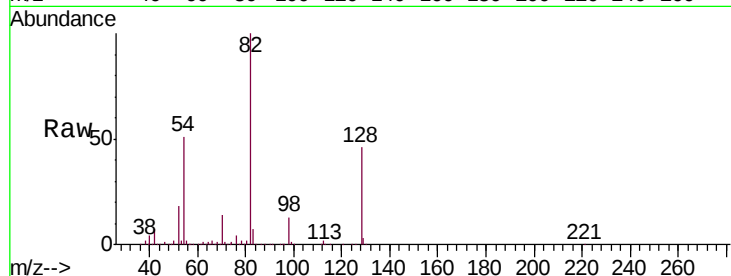
Tgt Ion: 82 Resp: 901777

Ion Ratio Lower Upper

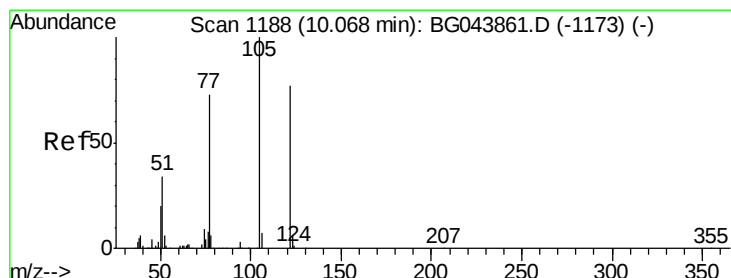
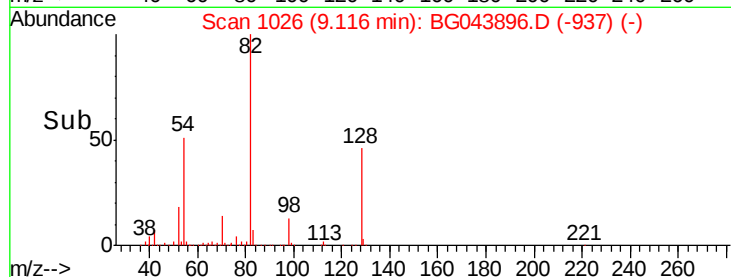
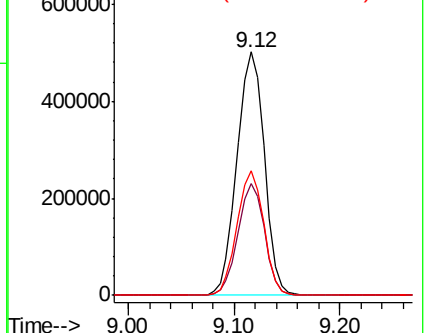
82 100

128 45.9 35.1 52.7

54 51.1 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: 6.270 ng

RT: 10.08 min Scan# 1190

Delta R.T. 0.01 min

Lab File: BG043896.D

Acq: 3 Jan 2020 20:34

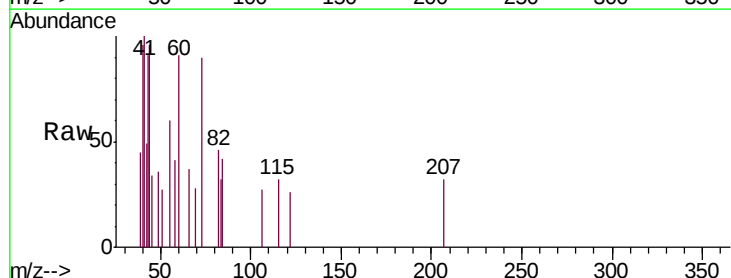
Tgt Ion: 122 Resp: 55

Ion Ratio Lower Upper

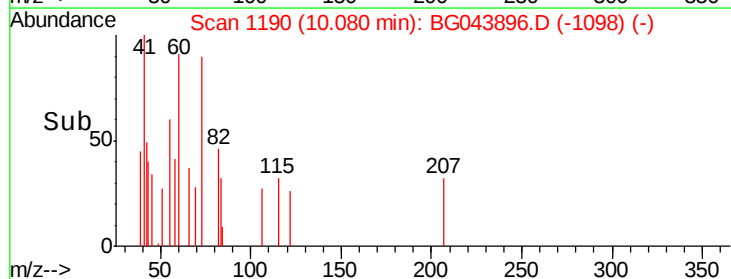
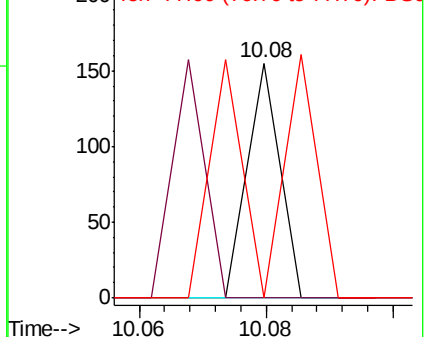
122 100

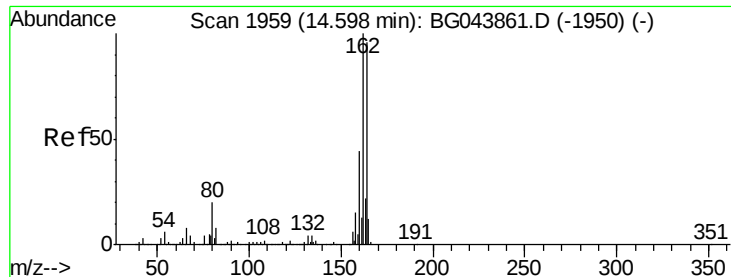
105 0.0 106.4 146.4#

77 0.0 74.6 114.6#



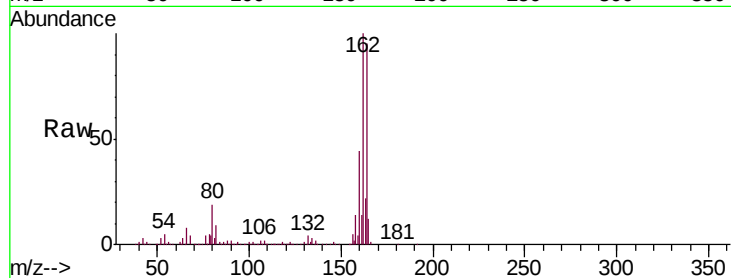
Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



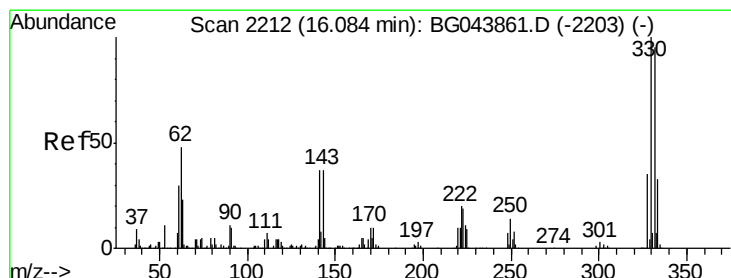
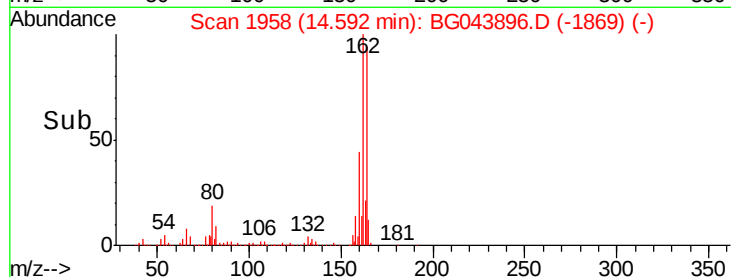
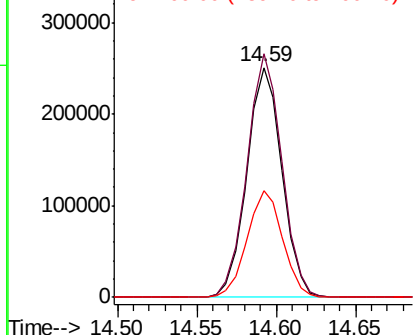


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BG043896.D
Acq: 3 Jan 2020 20:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.8	83.0	124.4
160	46.5	36.1	54.1

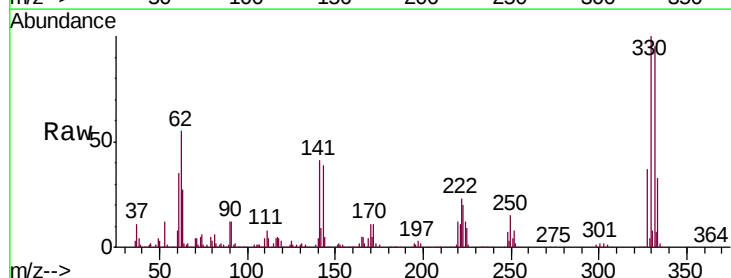


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

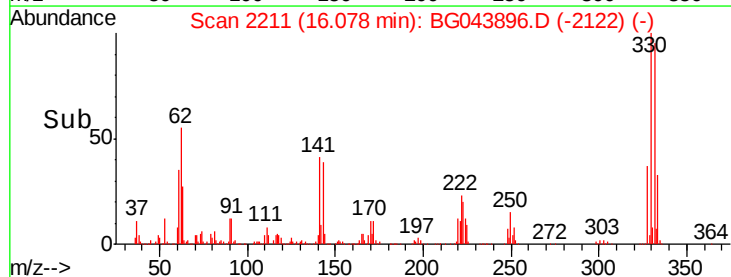
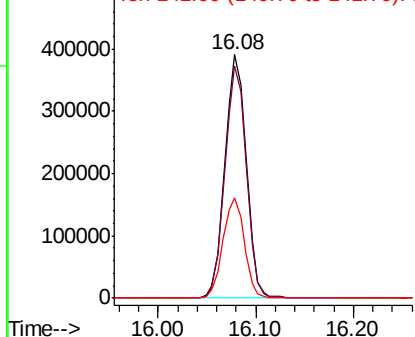


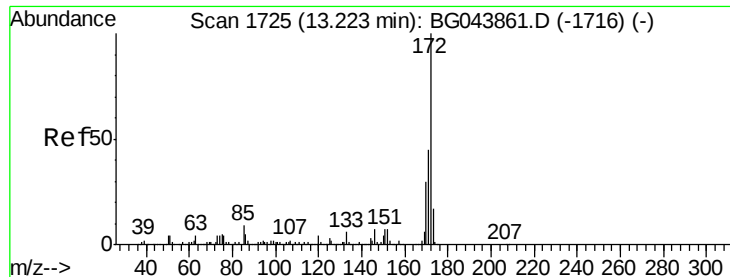
#42
2,4,6-Tribromophenol
Concen: 147.638 ng
RT: 16.08 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BG043896.D
Acq: 3 Jan 2020 20:34

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.2	115.8
141	41.1	33.1	49.7



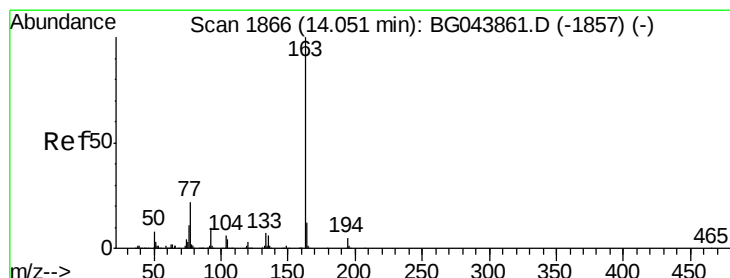
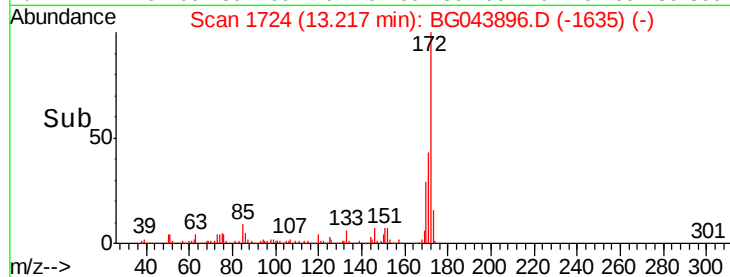
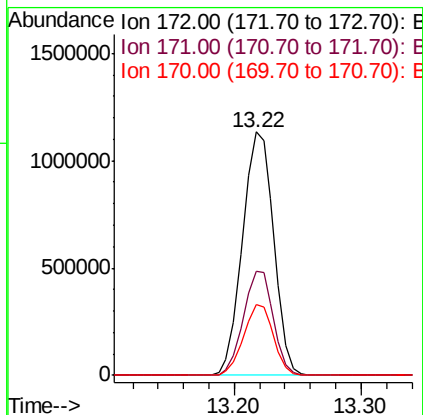
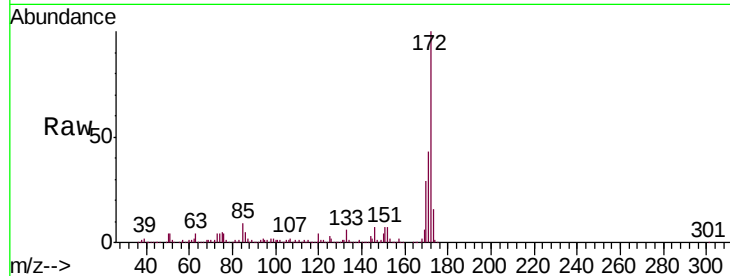
Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





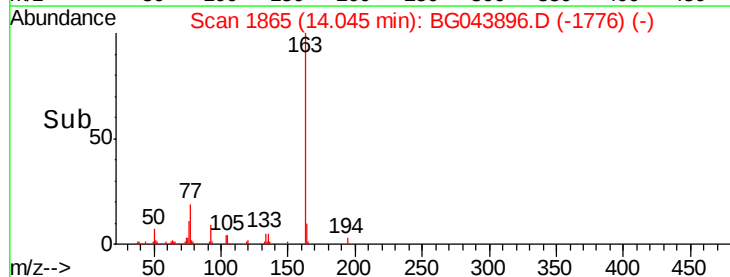
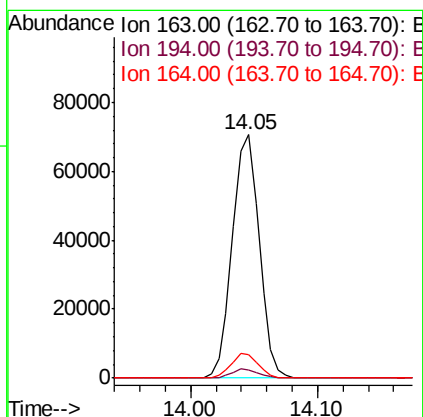
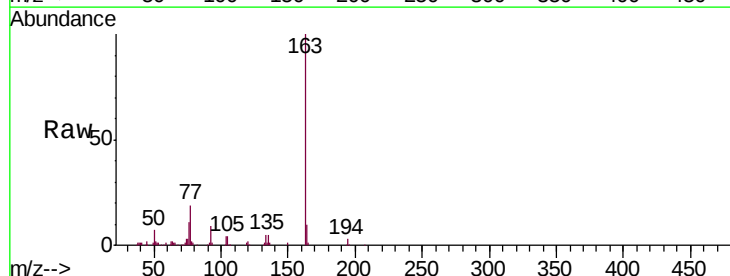
#45
2-Fluorobiphenyl
Concen: 91.022 ng
RT: 13.22 min Scan# 1724
Delta R.T. -0.01 min
Lab File: BG043896.D
Acq: 3 Jan 2020 20:34

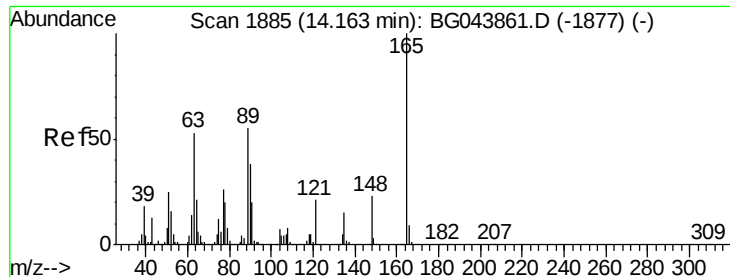
Tgt Ion:	172	Resp:	1936963
Ion	Ratio	Lower	Upper
172	100		
171	43.0	35.8	53.8
170	29.3	24.2	36.4



#50
Dimethylphthalate
Concen: 3.794 ng
RT: 14.05 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BG043896.D
Acq: 3 Jan 2020 20:34

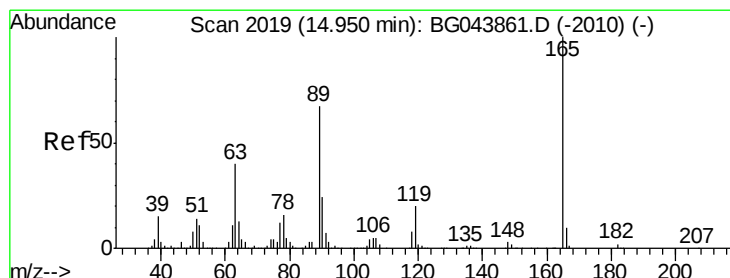
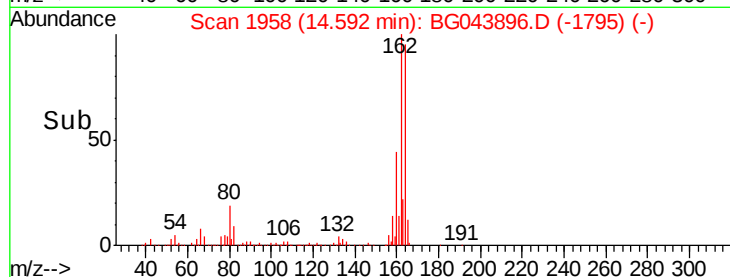
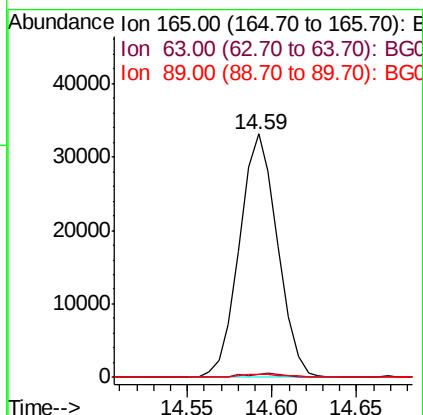
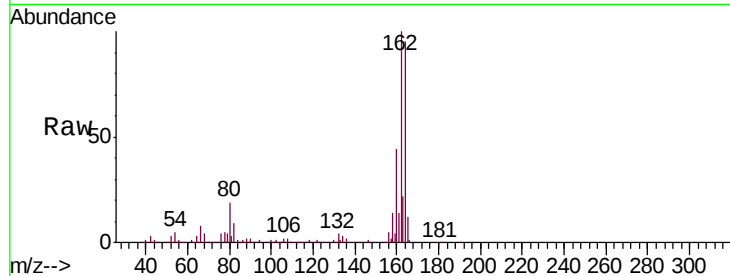
Tgt Ion:	163	Resp:	103863
Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.7	5.5#
164	9.7	9.3	13.9





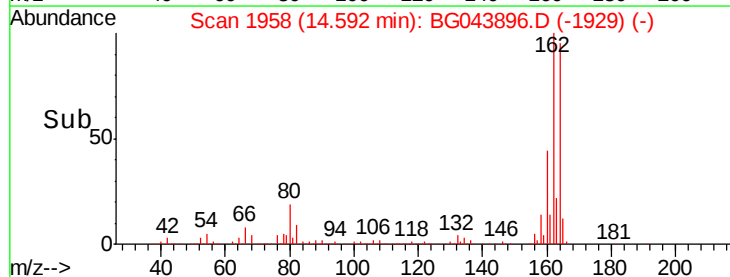
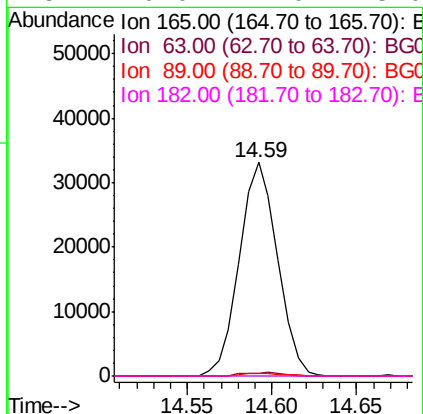
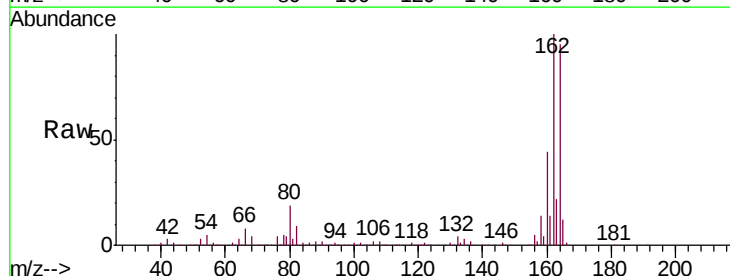
#51
 2,6-Dinitrotoluene
 Concen: 8.372 ng
 RT: 14.59 min Scan# 1958
 Delta R.T. 0.43 min
 Lab File: BG043896.D
 Acq: 3 Jan 2020 20:34

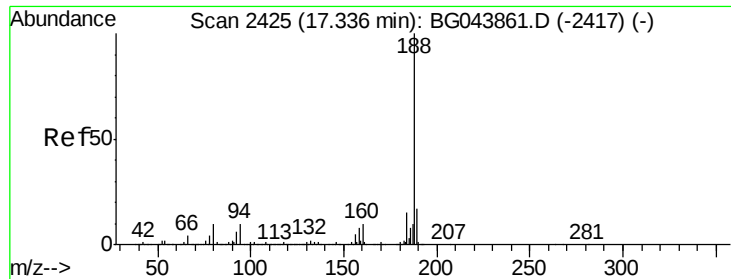
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	43.1	64.7#
89	1.3	43.8	65.6#



#57
 2,4-Dinitrotoluene
 Concen: 6.153 ng
 RT: 14.59 min Scan# 1958
 Delta R.T. -0.36 min
 Lab File: BG043896.D
 Acq: 3 Jan 2020 20:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	31.9	47.9#
89	1.3	53.8	80.6#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.34 min Scan# 2425

Delta R.T. -0.00 min

Lab File: BG043896.D

Acq: 3 Jan 2020 20:34

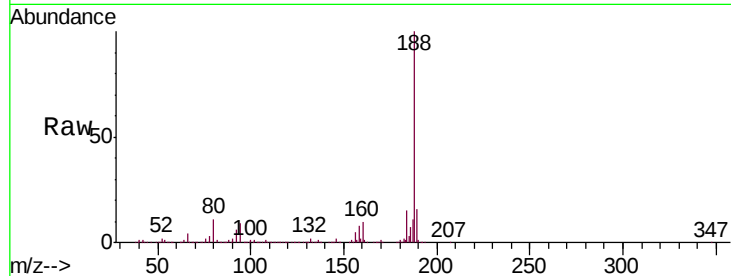
Tgt Ion:188 Resp: 860327

Ion Ratio Lower Upper

188 100

94 9.5 7.9 11.9

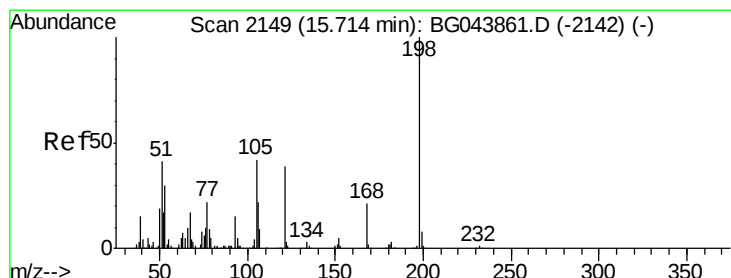
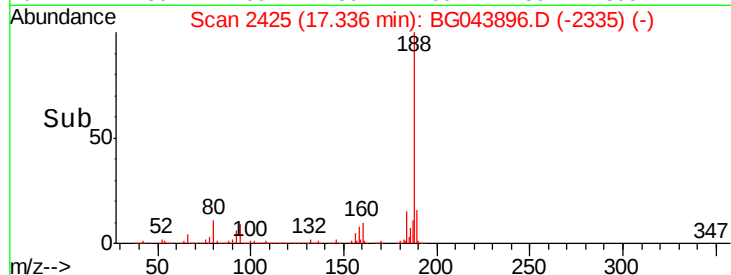
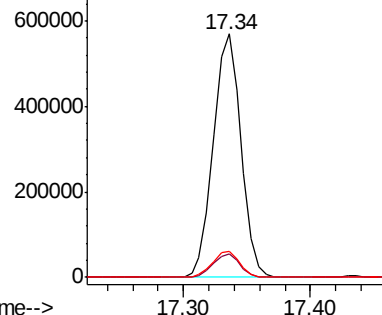
80 10.6 8.2 12.4



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: 4.802 ng

RT: 16.08 min Scan# 2211

Delta R.T. 0.36 min

Lab File: BG043896.D

Acq: 3 Jan 2020 20:34

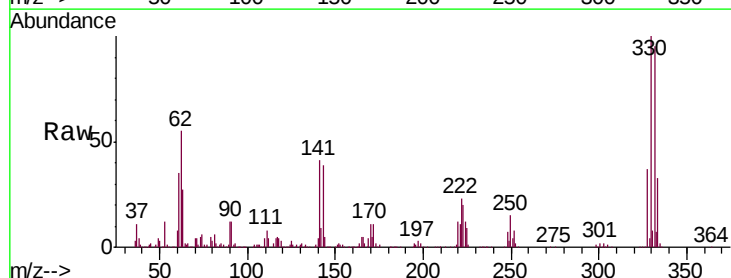
Tgt Ion:198 Resp: 2011

Ion Ratio Lower Upper

198 100

51 116.3 22.5 62.5#

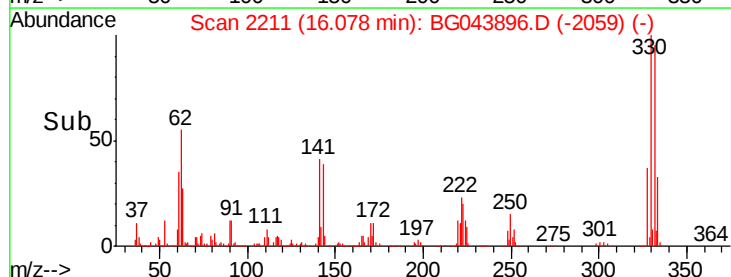
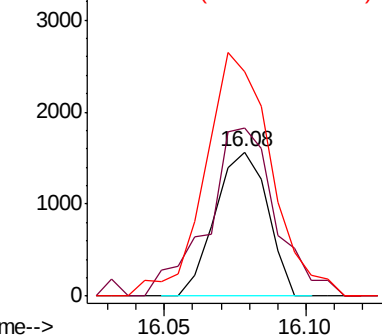
105 155.9 22.3 62.3#

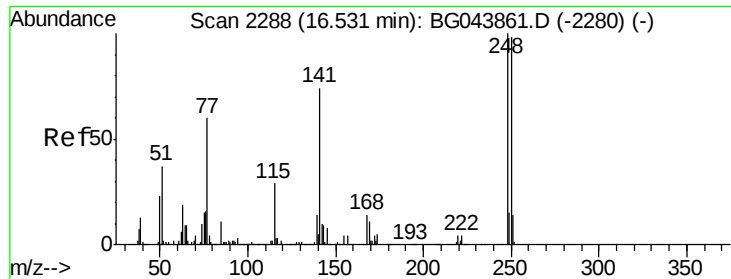


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

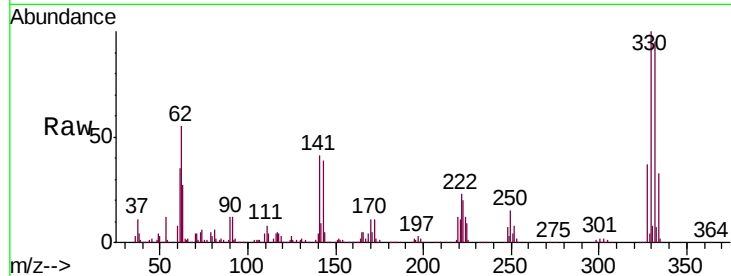
Ion 105.00 (104.70 to 105.70): E



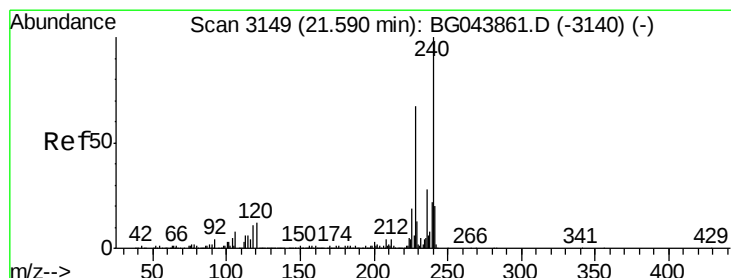
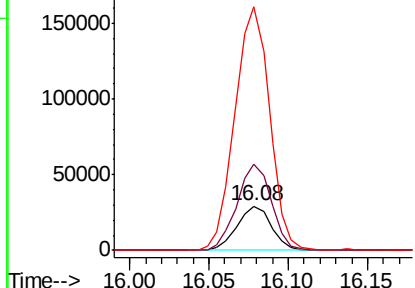
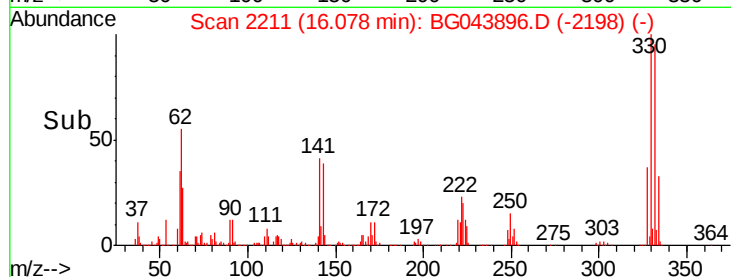


#67
 4-Bromophenyl-phenylether
 Concen: 4.551 ng
 RT: 16.08 min Scan# 2211
 Delta R.T. -0.45 min
 Lab File: BG043896.D
 Acq: 3 Jan 2020 20:34

Tgt Ion: 248 Resp: 44033
 Ion Ratio Lower Upper
 248 100
 250 195.4 78.2 117.2#
 141 548.5 59.3 88.9#

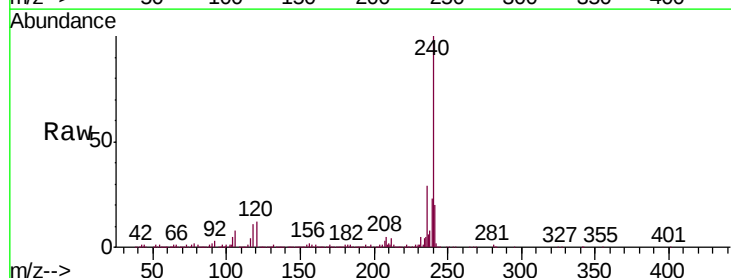


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

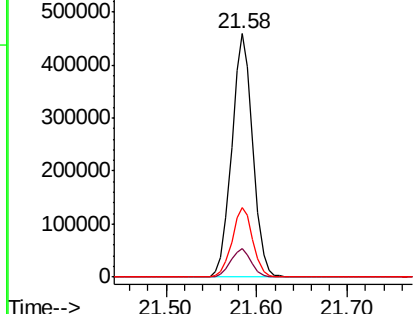
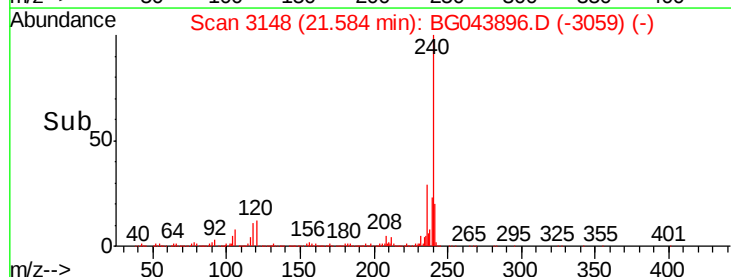


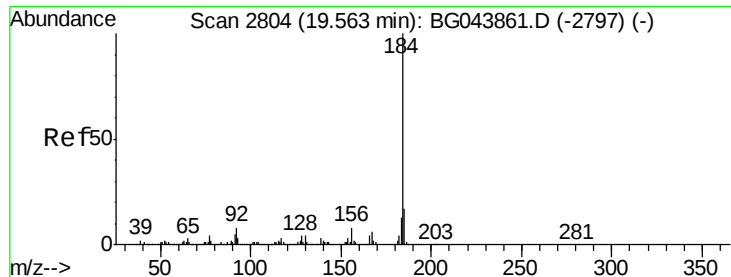
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.58 min Scan# 3148
 Delta R.T. -0.01 min
 Lab File: BG043896.D
 Acq: 3 Jan 2020 20:34

Tgt Ion: 240 Resp: 739732
 Ion Ratio Lower Upper
 240 100
 120 11.6 9.6 14.4
 236 28.7 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: 3.208 ng

RT: 19.95 min Scan# 2870

Delta R.T. 0.39 min

Lab File: BG043896.D

Acq: 3 Jan 2020 20:34

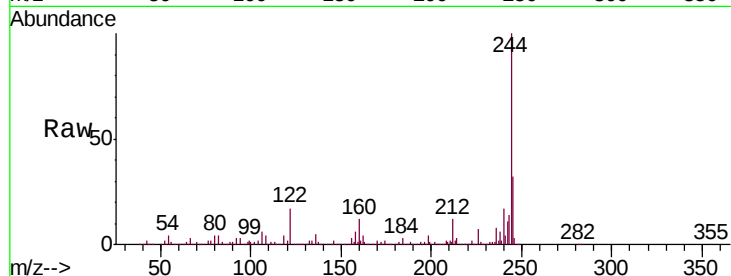
Tgt Ion:184 Resp: 59657

Ion Ratio Lower Upper

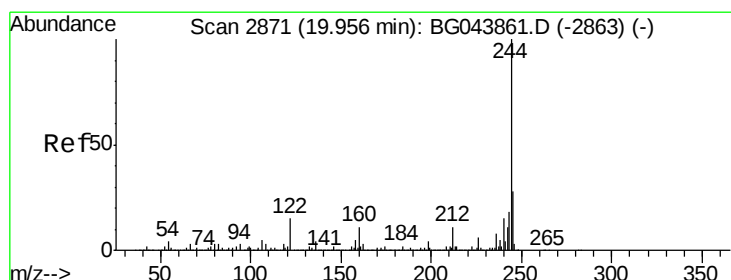
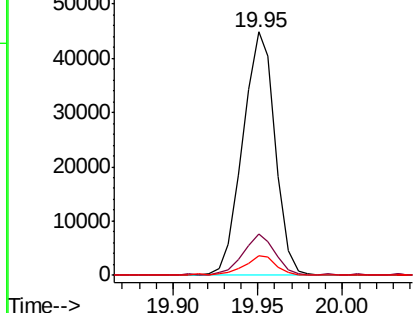
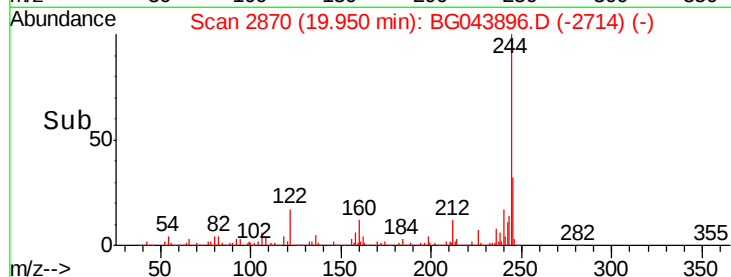
184 100

185 16.8 13.4 20.0

183 8.3 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: 90.900 ng

RT: 19.95 min Scan# 2870

Delta R.T. -0.01 min

Lab File: BG043896.D

Acq: 3 Jan 2020 20:34

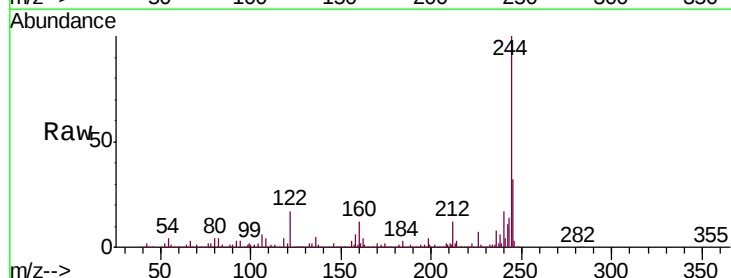
Tgt Ion:244 Resp: 2738923

Ion Ratio Lower Upper

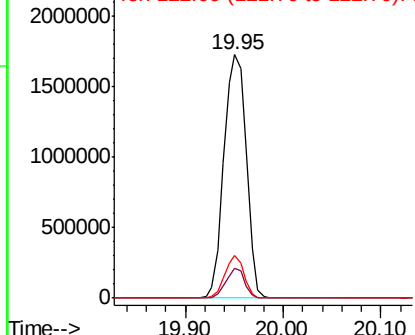
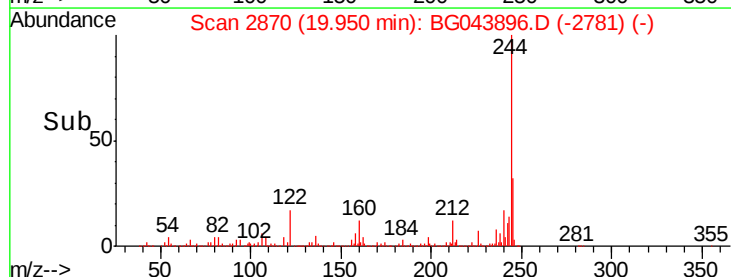
244 100

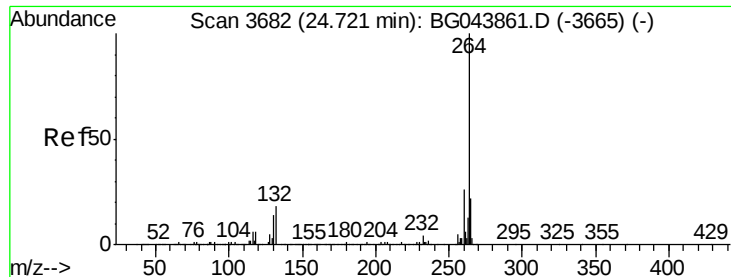
212 12.4 8.6 13.0

122 17.5 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
Perylene-d12
Concen: 20.000 ng
RT: 24.71 min Scan# 3680
Delta R.T. -0.01 min
Lab File: BG043896.D
Acq: 3 Jan 2020 20:34

Tgt Ion:	264	Resp:	826468
Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.4	30.6
265	22.6	17.4	26.2

