

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010320\
 Data File : BG043893.D
 Acq On : 3 Jan 2020 18:36
 Operator : JU
 Sample : K6464-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

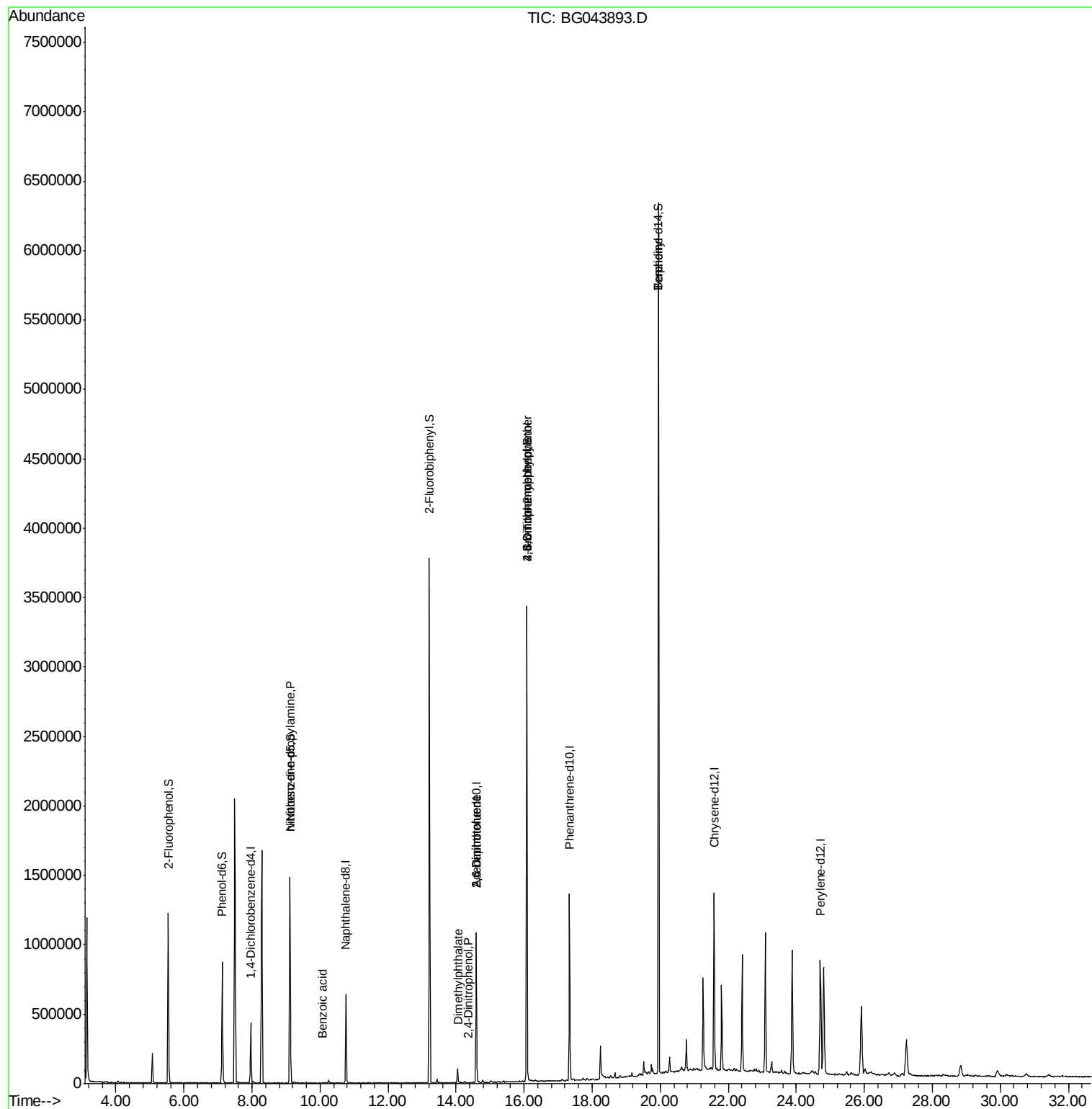
Quant Time: Jan 03 22:22:00 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

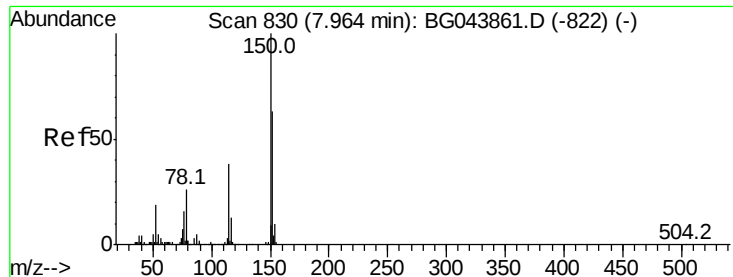
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	125494	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	559748	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	377199	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	823234	20.00	ng	0.00
76) Chrysene-d12	21.58	240	700798	20.00	ng	0.00
87) Perylene-d12	24.71	264	794713	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	559767	81.90	ng	0.00
7) Phenol-d6	7.12	99	530918	55.57	ng	0.00
23) Nitrobenzene-d5	9.12	82	915546	87.50	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	581761	147.38	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1912879	91.88	ng	0.00
79) Terphenyl-d14	19.95	244	2576669	90.03	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.12	70	122111	17.163	ng	# 77
32) Benzoic acid	10.07	122	56	6.270	ng	89
50) Dimethylphthalate	14.04	163	66752	2.492	ng	96
51) 2,6-Dinitrotoluene	14.59	165	49315	8.147	ng	# 27
54) 2,4-Dinitrophenol	14.36	184	81	5.508	ng	# 20
57) 2,4-Dinitrotoluene	14.59	165	49315	5.987	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.08	198	2319	4.887	ng	# 1
67) 4-Bromophenyl-phenylether	16.08	248	44139	4.767	ng	# 1
77) Benzidine	19.95	184	56179	3.189	ng	# 94

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

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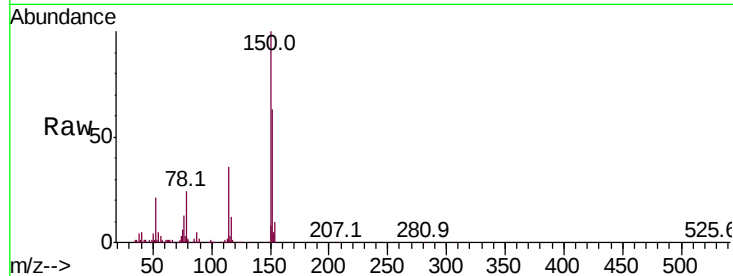




#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 830
Delta R.T. -0.00 min
Lab File: BG043893.D
Acq: 3 Jan 2020 18:36

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	127.0	190.4
115	57.7	47.8	71.8

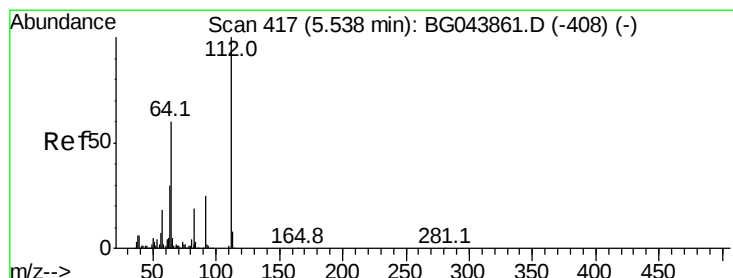
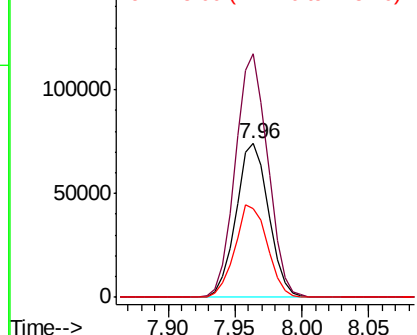
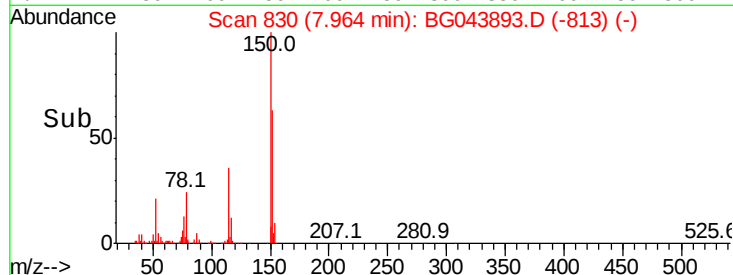


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

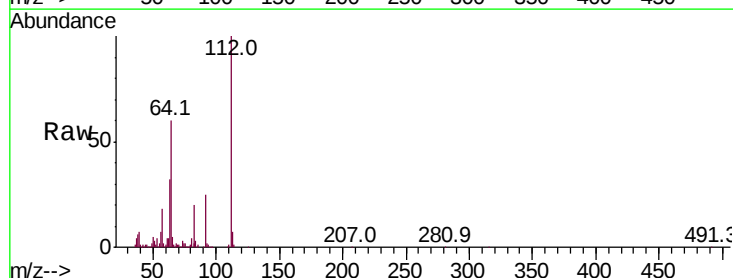
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 81.900 ng
RT: 5.54 min Scan# 417
Delta R.T. -0.00 min
Lab File: BG043893.D
Acq: 3 Jan 2020 18:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	47.8	71.6
63	31.7	24.3	36.5

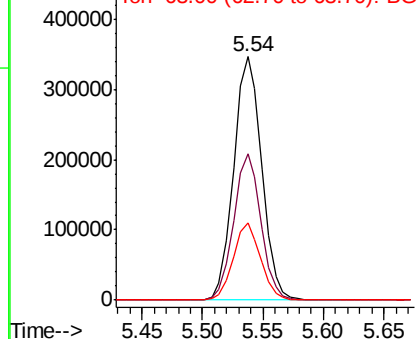
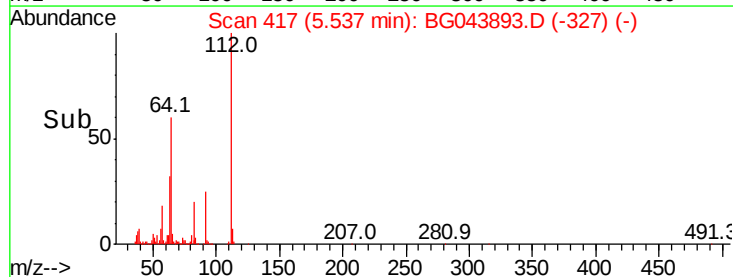


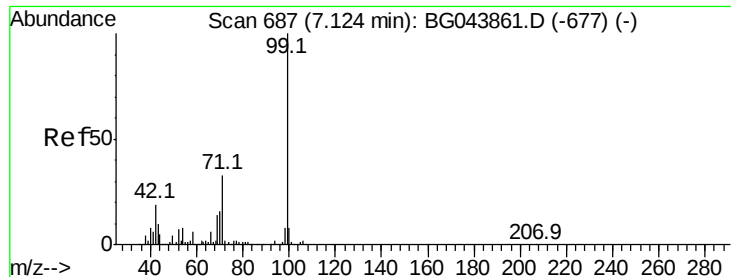
Abundance

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: 55.572 ng

RT: 7.12 min Scan# 687

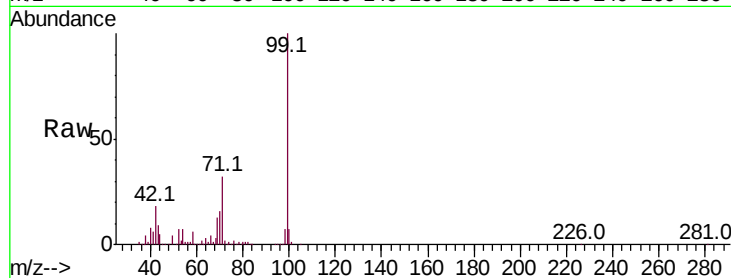
Delta R.T. -0.00 min

Lab File: BG043893.D

Acq: 3 Jan 2020 18:36

Tot Ion: 99 Resp: 530918

Ion	Ratio	Lower	Upper
99	100		
42	18.3	14.9	22.3
71	32.2	26.4	39.6

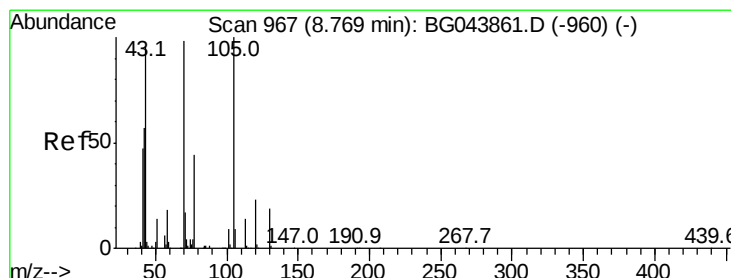
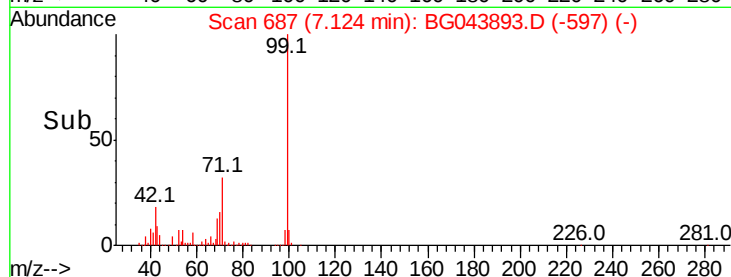


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 17.163 ng

RT: 9.12 min Scan# 1026

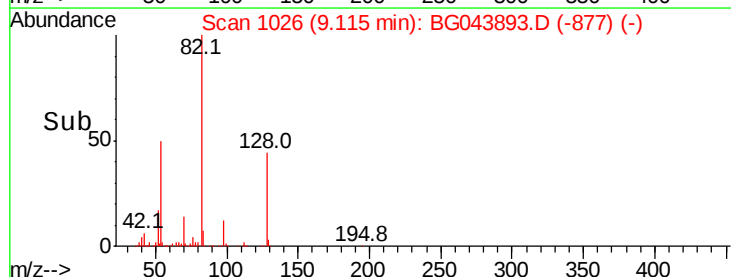
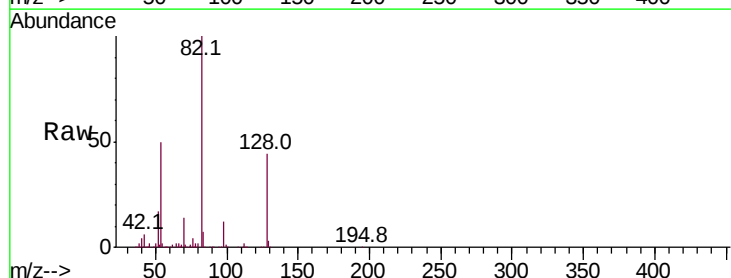
Delta R.T. 0.35 min

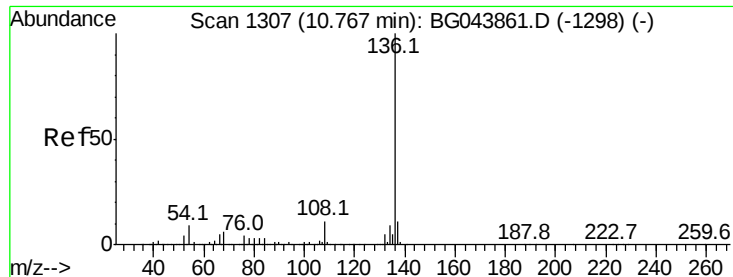
Lab File: BG043893.D

Acq: 3 Jan 2020 18:36

Tgt Ion: 70 Resp: 122111

Ion	Ratio	Lower	Upper
70	100		
42	46.1	47.0	70.4#
101	0.0	7.2	10.8#
130	1.8	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: BG043893.D

Acq: 3 Jan 2020 18:36

Tot Ion:136 Resp: 559748

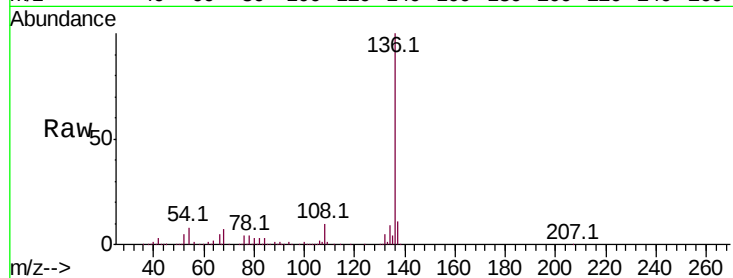
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 7.9 7.0 10.4

68 6.6 4.9 7.3

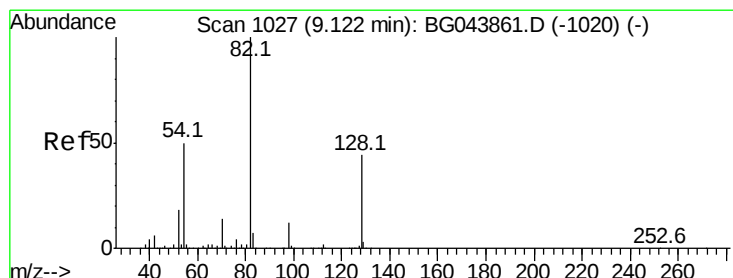
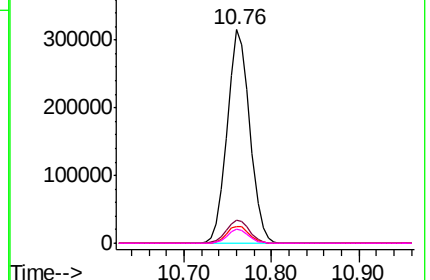
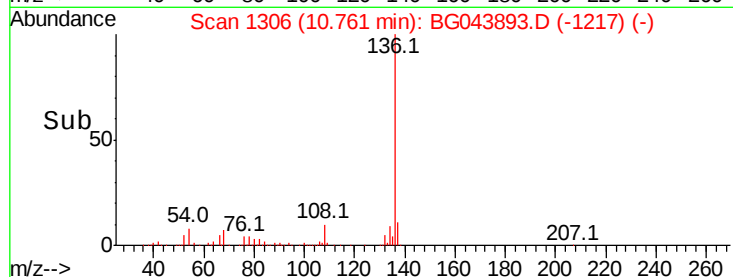


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 87.500 ng

RT: 9.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BG043893.D

Acq: 3 Jan 2020 18:36

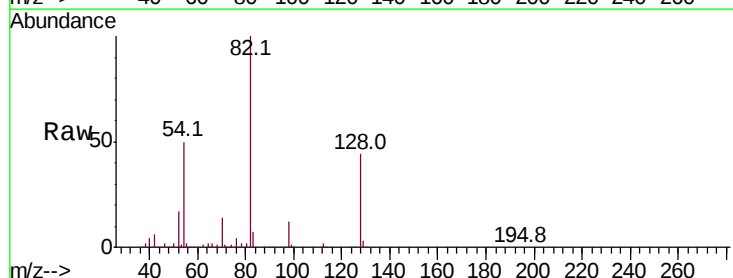
Tgt Ion: 82 Resp: 915546

Ion Ratio Lower Upper

82 100

128 43.9 35.1 52.7

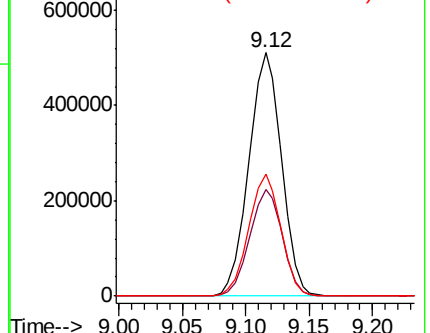
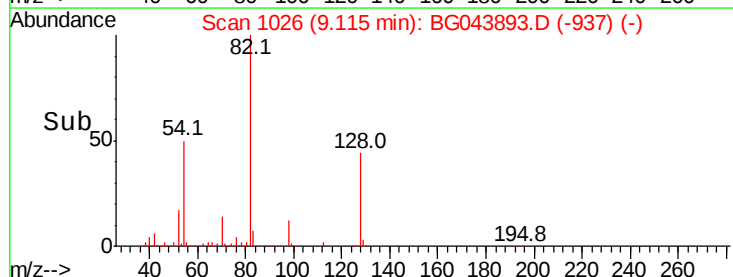
54 50.1 40.1 60.1

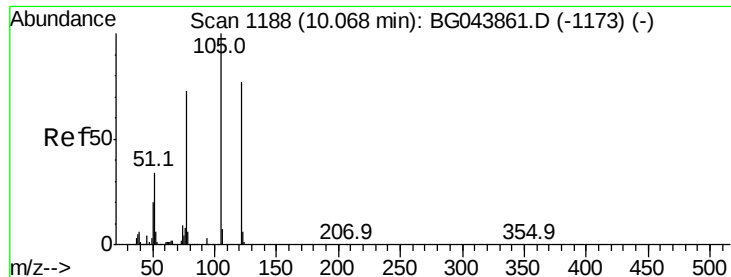


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

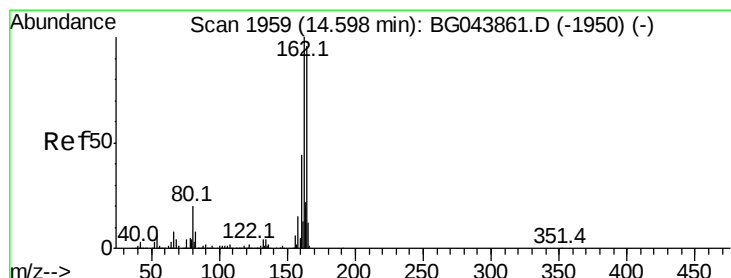
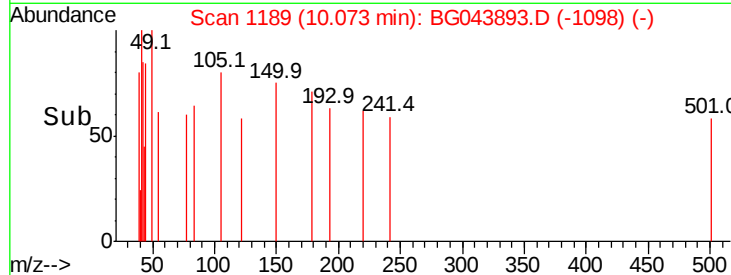
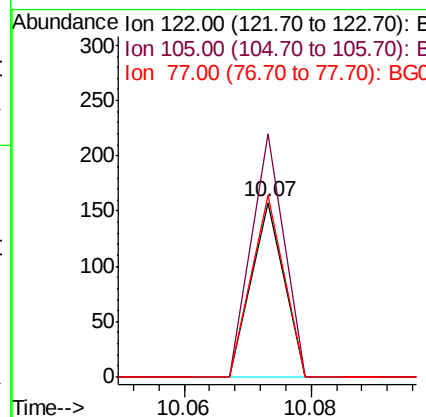
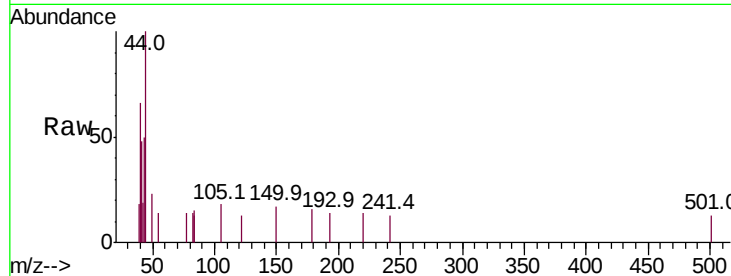
Ion 54.00 (53.70 to 54.70): BGC





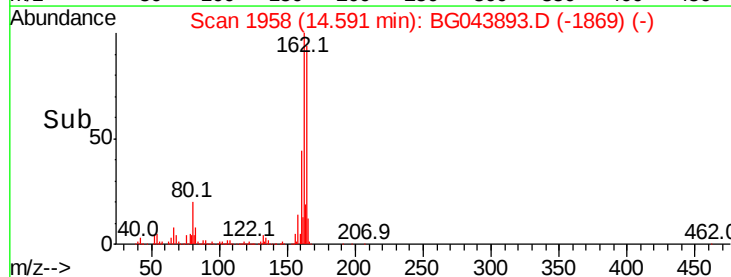
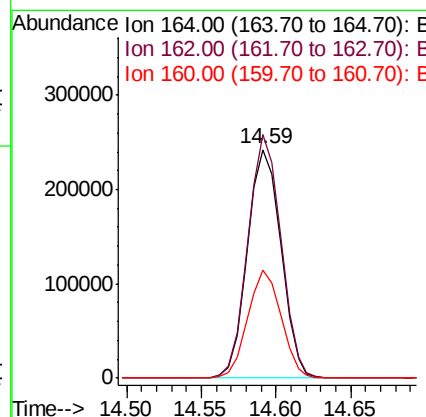
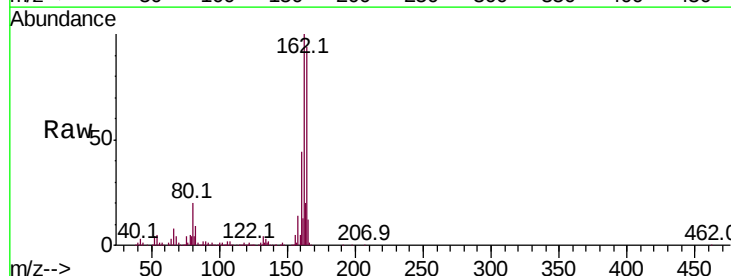
#32
Benzoic acid
Concen: 6.270 ng
RT: 10.07 min Scan# 1189
Delta R.T. 0.01 min
Lab File: BG043893.D
Acq: 3 Jan 2020 18:36

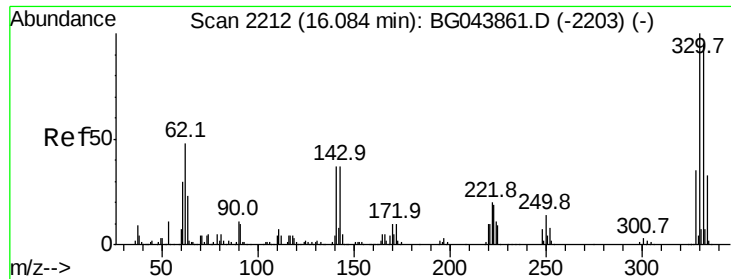
Tot Ion	Ratio	Lower	Upper
122	100		
105	139.2	106.4	146.4
77	104.4	74.6	114.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BG043893.D
Acq: 3 Jan 2020 18:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.7	83.0	124.4
160	47.1	36.1	54.1





#42

2,4,6-Tribromophenol

Concen: 147.382 ng

RT: 16.08 min Scan# 2211

Delta R.T. -0.01 min

Lab File: BG043893.D

Acq: 3 Jan 2020 18:36

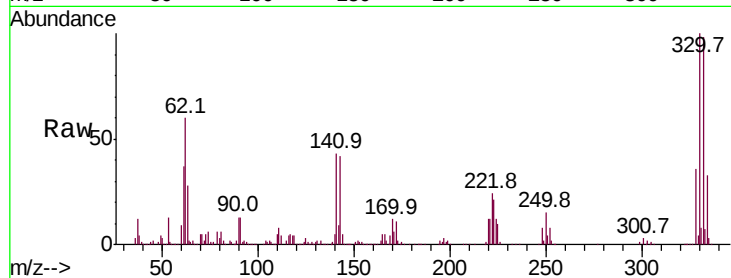
Tot Ion:330 Resp: 581761

Ion Ratio Lower Upper

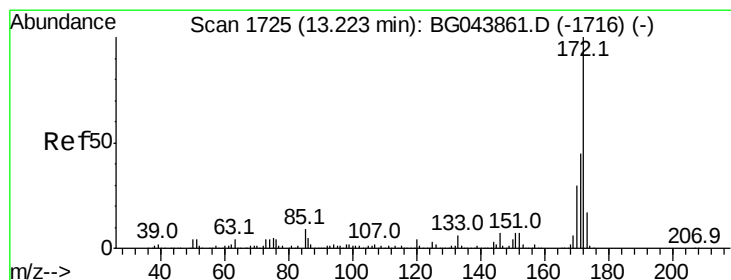
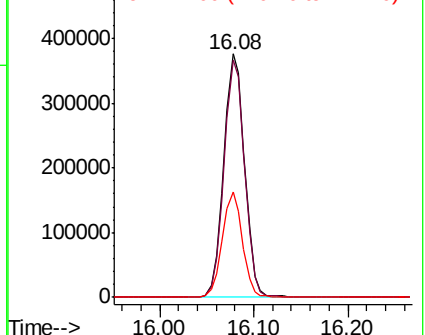
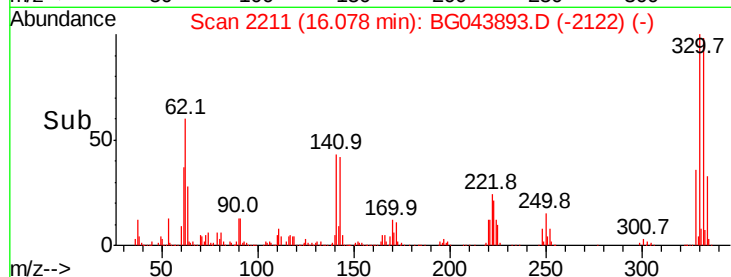
330 100

332 96.5 77.2 115.8

141 41.9 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: 91.880 ng

RT: 13.22 min Scan# 1724

Delta R.T. -0.01 min

Lab File: BG043893.D

Acq: 3 Jan 2020 18:36

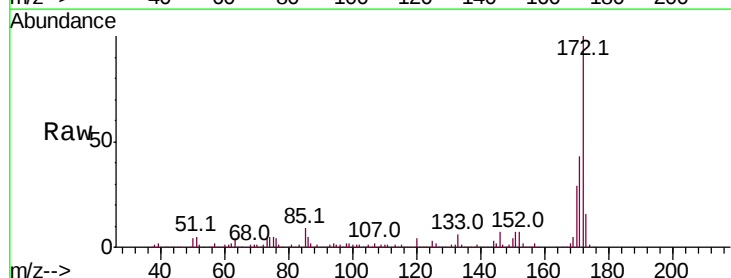
Tgt Ion:172 Resp: 1912879

Ion Ratio Lower Upper

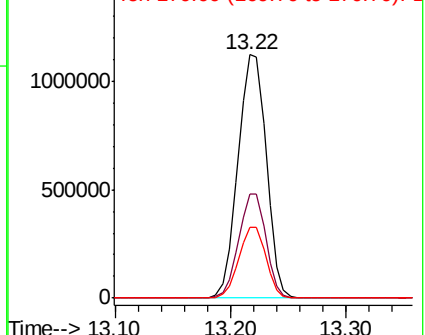
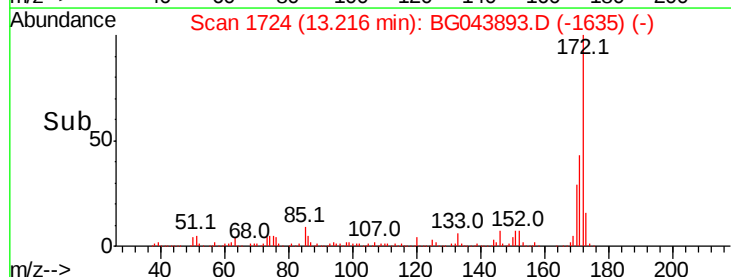
172 100

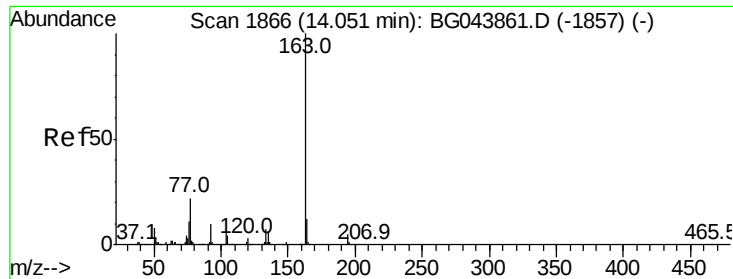
171 42.7 35.8 53.8

170 29.1 24.2 36.4



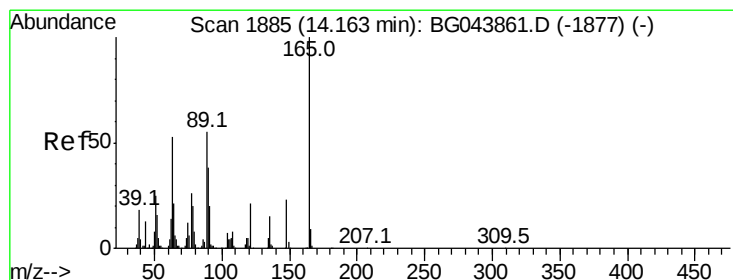
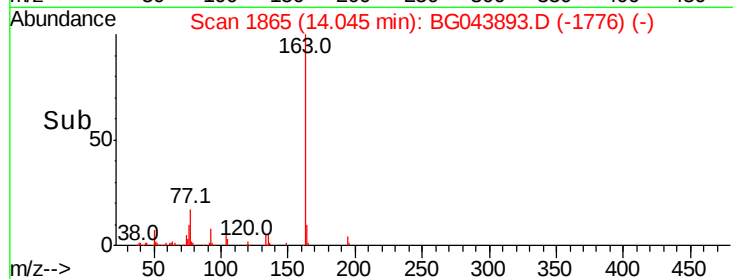
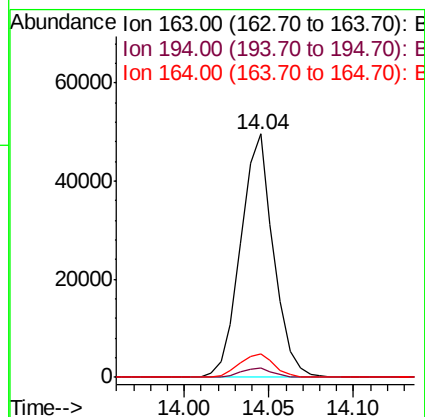
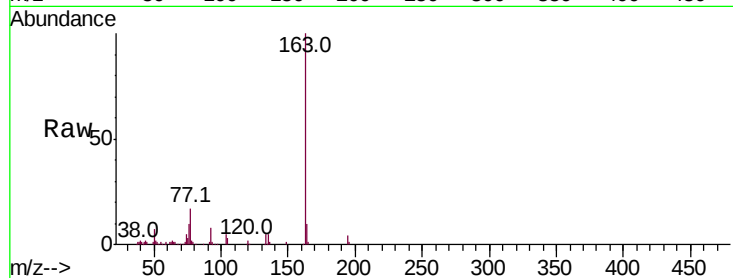
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





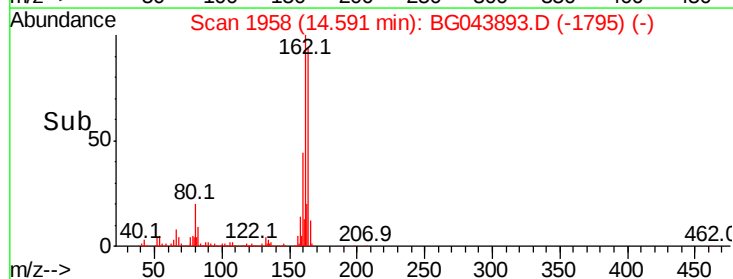
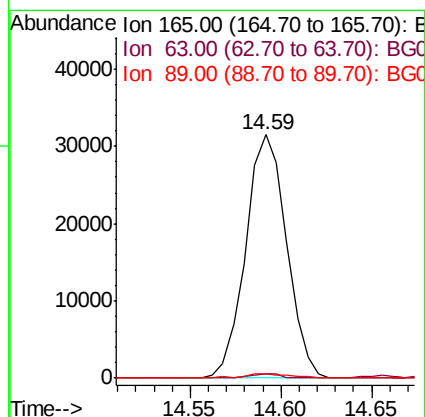
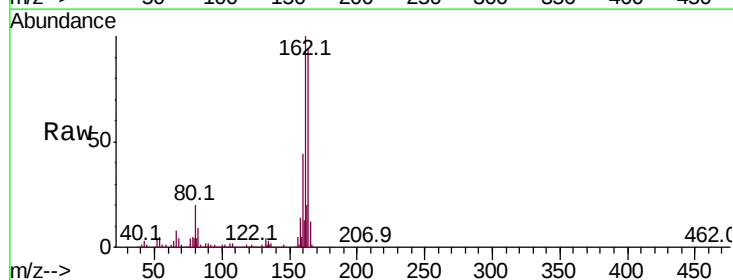
#50
Dimethylphthalate
Concen: 2.492 ng
RT: 14.04 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BG043893.D
Acq: 3 Jan 2020 18:36

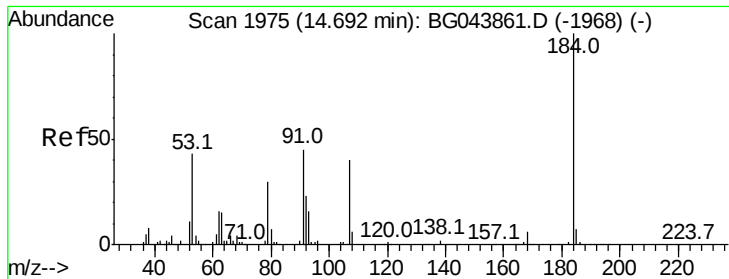
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.7	5.5
164	9.9	9.3	13.9



#51
2,6-Dinitrotoluene
Concen: 8.147 ng
RT: 14.59 min Scan# 1958
Delta R.T. 0.43 min
Lab File: BG043893.D
Acq: 3 Jan 2020 18:36

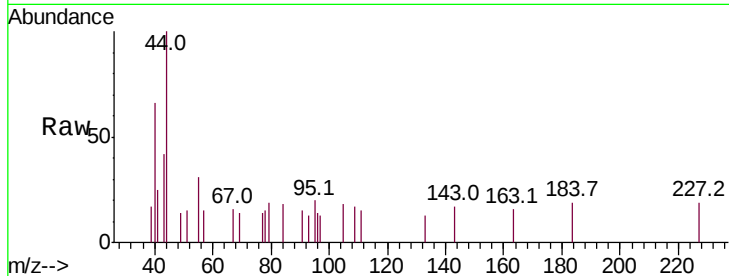
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	43.1	64.7#
89	1.5	43.8	65.6#



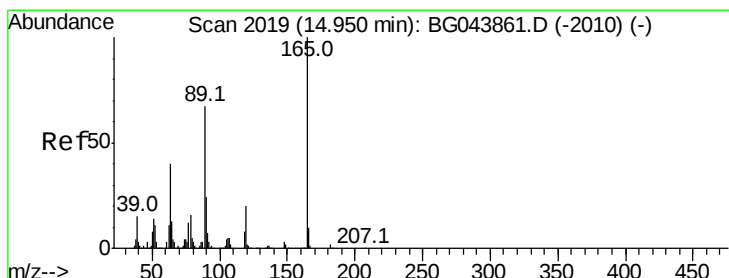
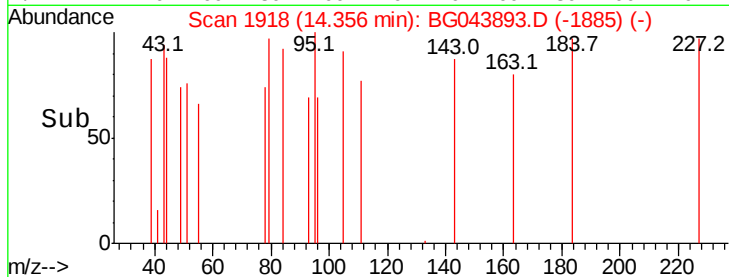
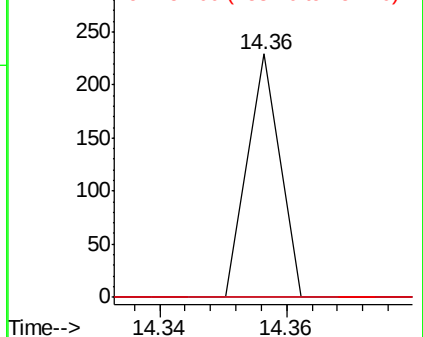


#54
2,4-Dinitrophenol
Concen: 5.508 ng
RT: 14.36 min Scan# 1918
Delta R.T. -0.33 min
Lab File: BG043893.D
Acq: 3 Jan 2020 18:36

Tot Ion:184 Resp: 81
Ion Ratio Lower Upper
184 100
63 0.0 46.6 70.0#
154 0.0 50.2 75.4#

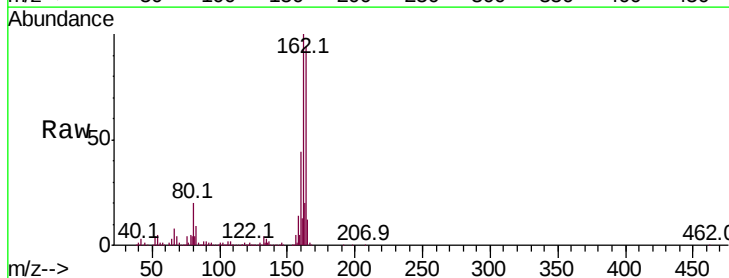


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

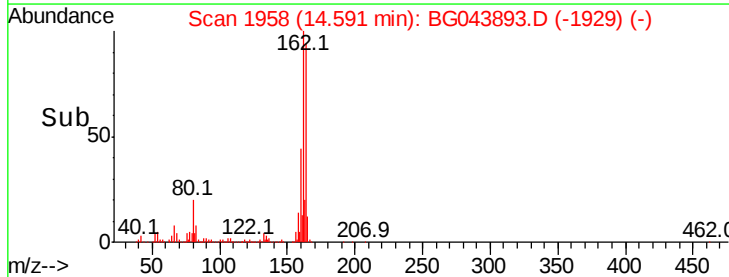
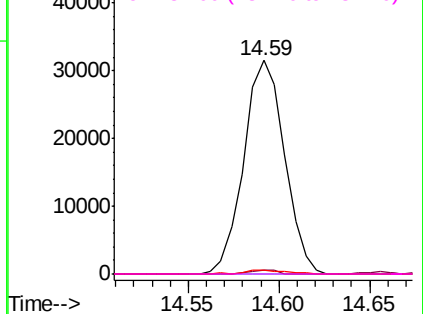


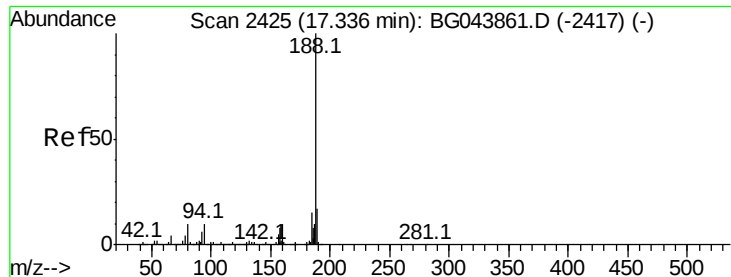
#57
2,4-Dinitrotoluene
Concen: 5.987 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.36 min
Lab File: BG043893.D
Acq: 3 Jan 2020 18:36

Tgt Ion:165 Resp: 49315
Ion Ratio Lower Upper
165 100
63 1.9 31.9 47.9#
89 1.5 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): BG
Ion 89.00 (88.70 to 89.70): BG
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: BG043893.D

Acq: 3 Jan 2020 18:36

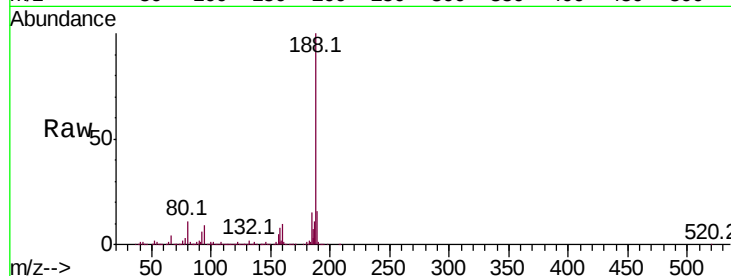
Tot Ion:188 Resp: 823234

Ion Ratio Lower Upper

188 100

94 9.0 7.9 11.9

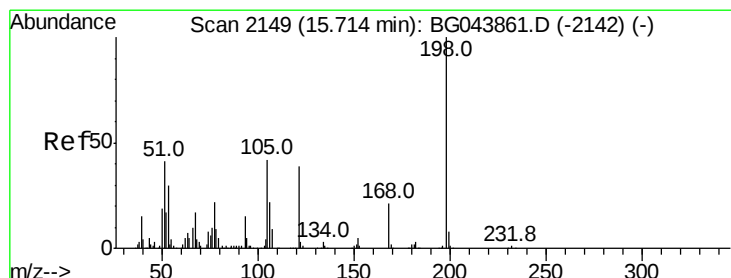
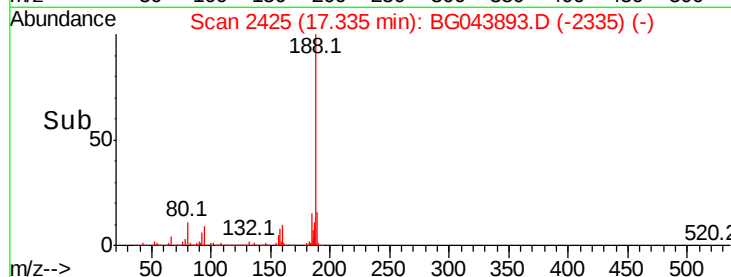
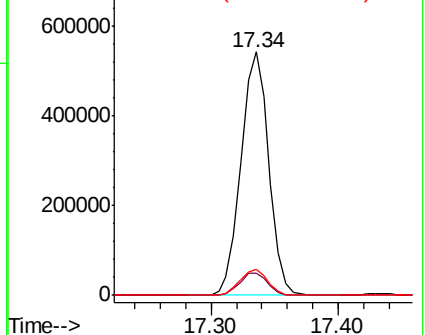
80 10.8 8.2 12.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#65

4,6-Dinitro-2-methylphenol

Concen: 4.887 ng

RT: 16.08 min Scan# 2211

Delta R.T. 0.36 min

Lab File: BG043893.D

Acq: 3 Jan 2020 18:36

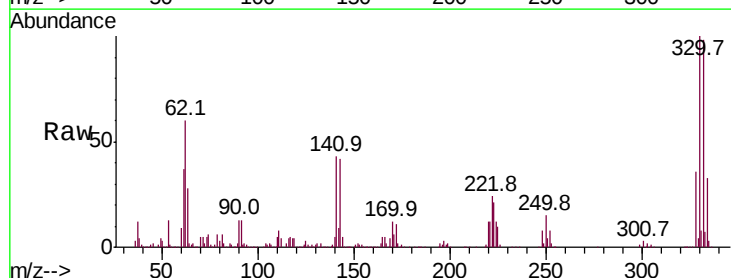
Tgt Ion:198 Resp: 2319

Ion Ratio Lower Upper

198 100

51 95.7 22.5 62.5#

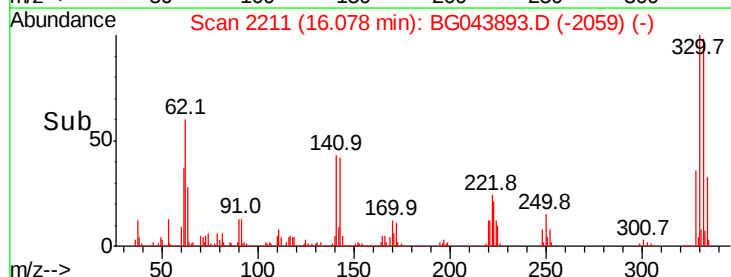
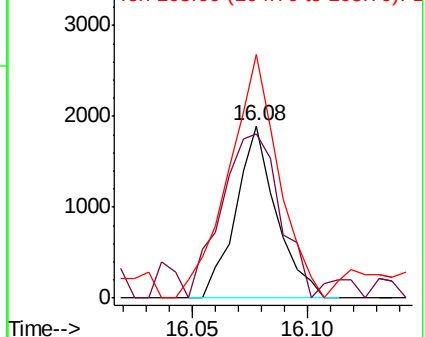
105 141.6 22.3 62.3#

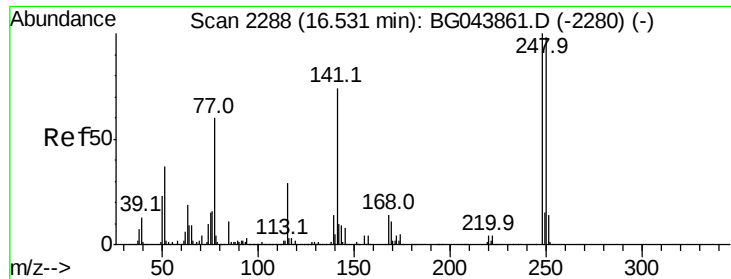


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.767 ng

RT: 16.08 min Scan# 2211

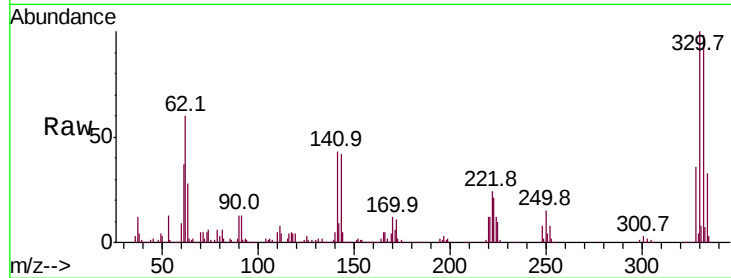
Delta R.T. -0.45 min

Lab File: BG043893.D

Acq: 3 Jan 2020 18:36

Tot Ion:248 Resp: 44139

Ion	Ratio	Lower	Upper
248	100		
250	186.8	78.2	117.2#
141	537.1	59.3	88.9#

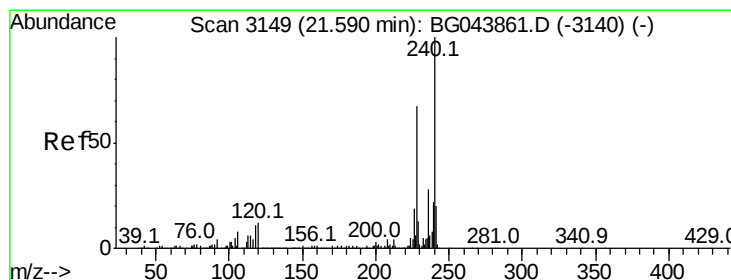
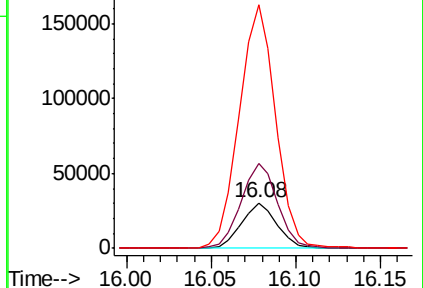
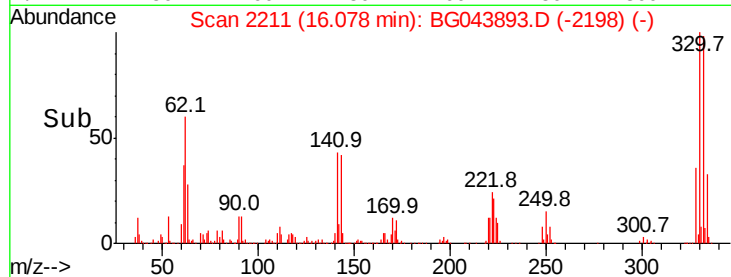


Abundance

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

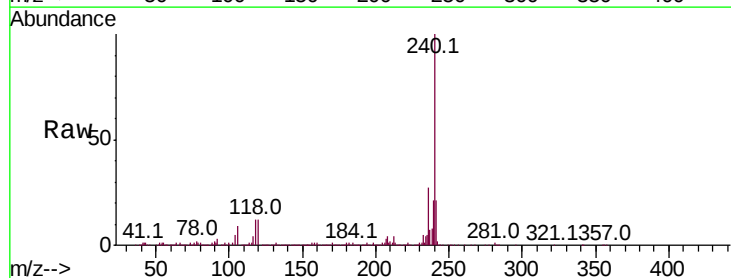
Delta R.T. -0.01 min

Lab File: BG043893.D

Acq: 3 Jan 2020 18:36

Tgt Ion:240 Resp: 700798

Ion	Ratio	Lower	Upper
240	100		
120	12.5	9.6	14.4
236	27.2	22.2	33.2

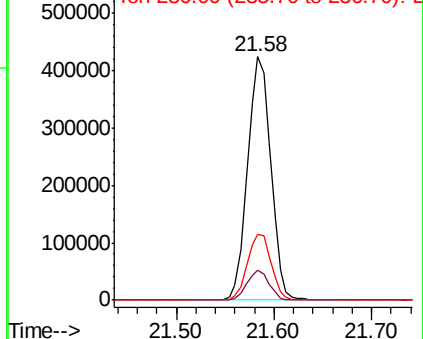
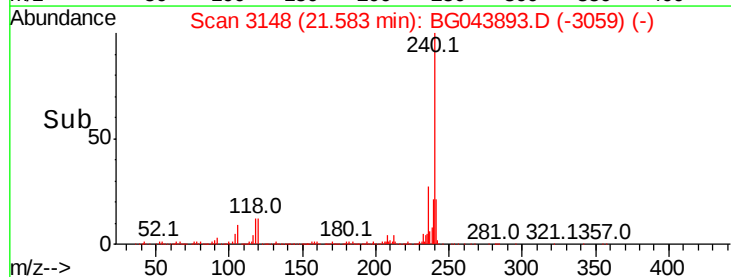


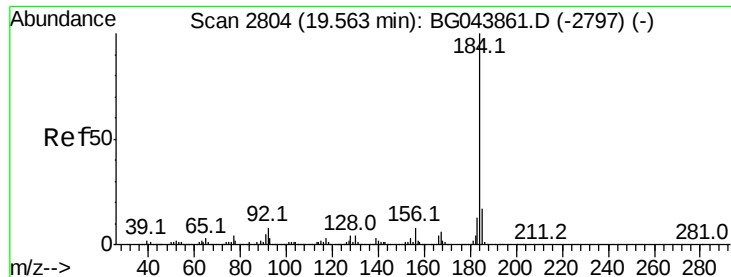
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

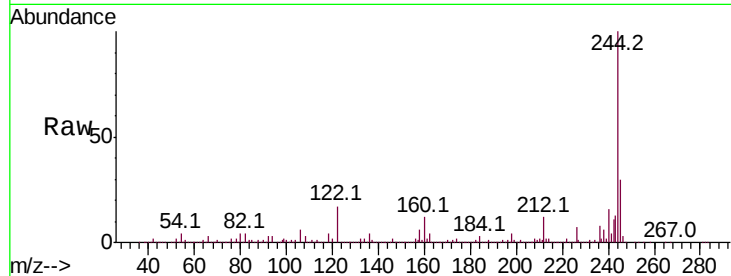
Ion 236.00 (235.70 to 236.70): E



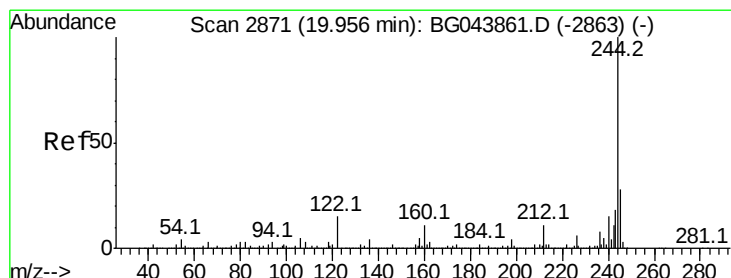
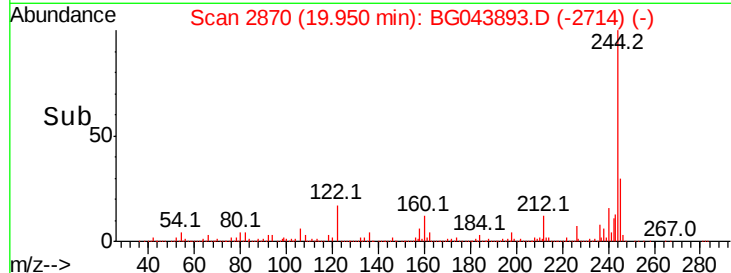
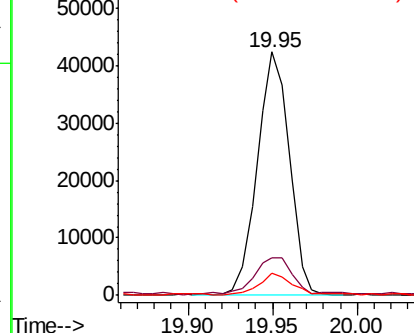


#77
Benzidine
Concen: 3.189 ng
RT: 19.95 min Scan# 2870
Delta R.T. 0.39 min
Lab File: BG043893.D
Acq: 3 Jan 2020 18:36

Tot Ion:184 Resp: 56179
Ion Ratio Lower Upper
184 100
185 15.2 13.4 20.0
183 9.2 10.6 15.8#

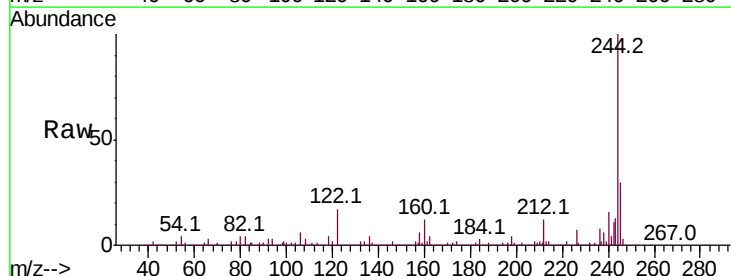


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

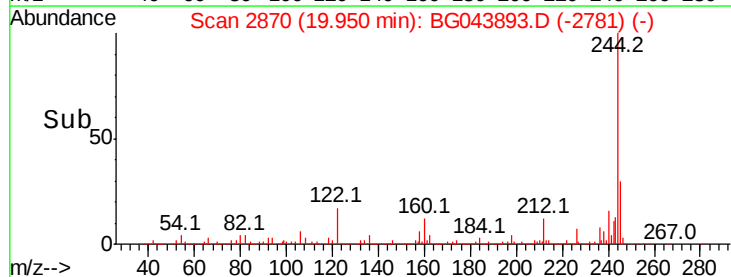
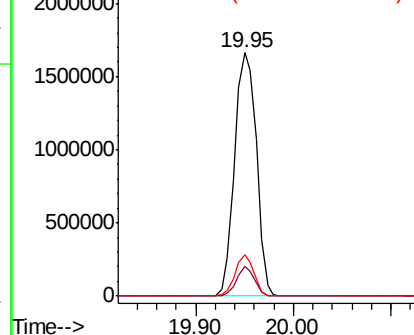


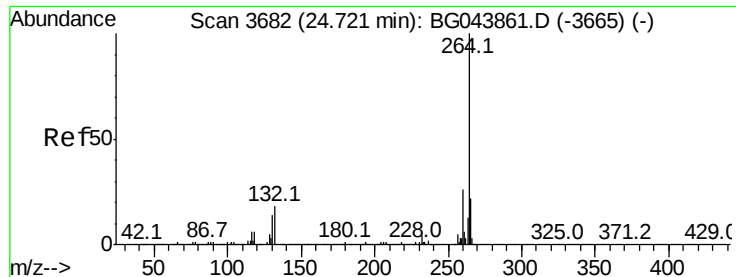
#79
Terphenyl-d14
Concen: 90.028 ng
RT: 19.95 min Scan# 2870
Delta R.T. -0.01 min
Lab File: BG043893.D
Acq: 3 Jan 2020 18:36

Tgt Ion:244 Resp: 2576669
Ion Ratio Lower Upper
244 100
212 12.1 8.6 13.0
122 16.9 11.9 17.9



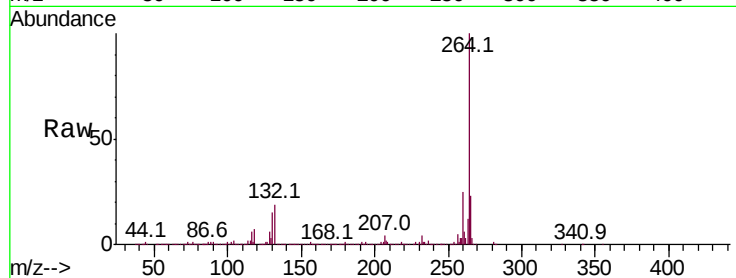
Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.71 min Scan# 3680
Delta R.T. -0.01 min
Lab File: BG043893.D
Acq: 3 Jan 2020 18:36

Tot	Ion:264	Resp:	794713
Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.4	30.6
265	22.6	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

