

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010320\
 Data File : BG043920.D
 Acq On : 4 Jan 2020 13:32
 Operator : JU
 Sample : L1010-02
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

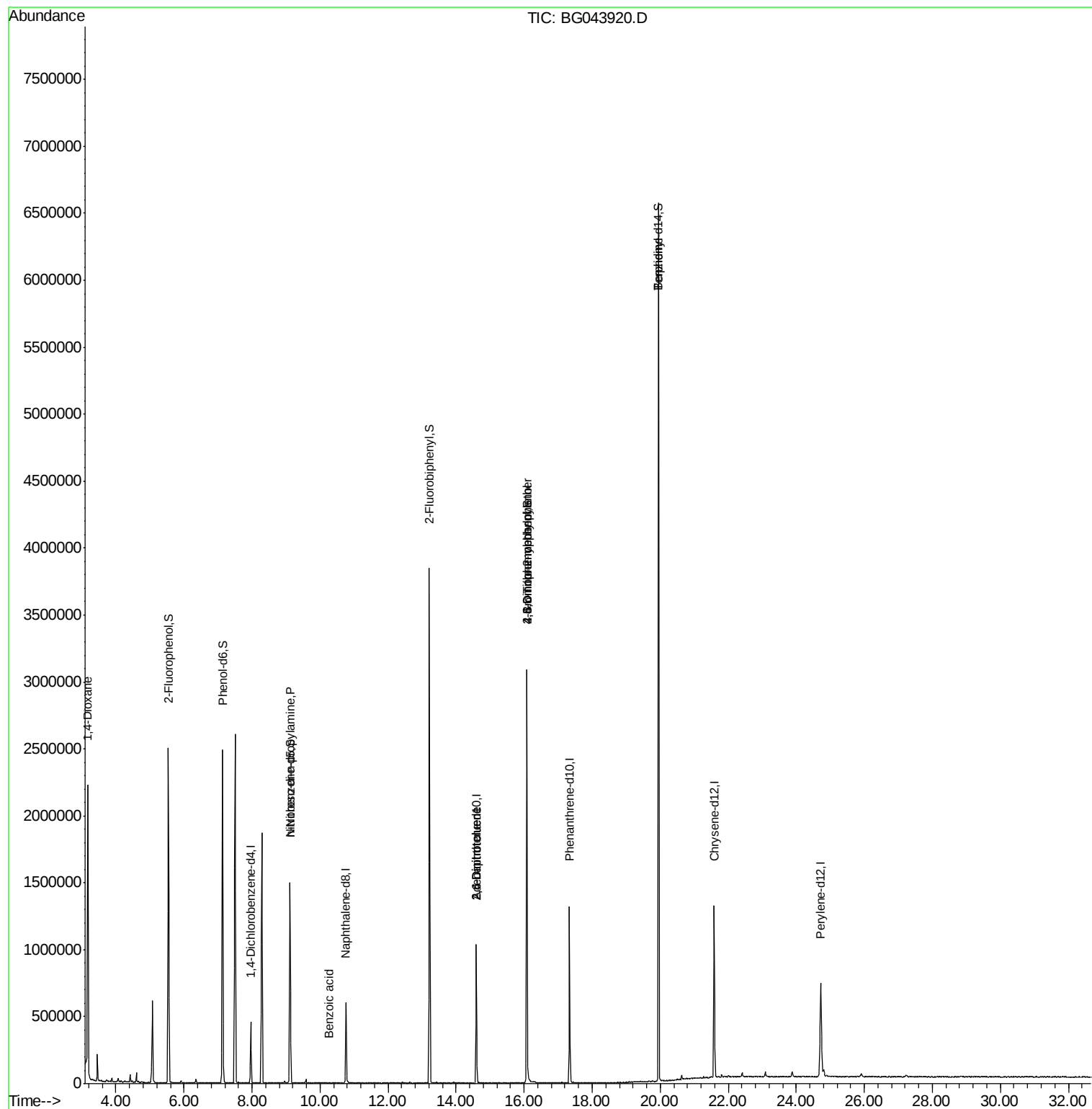
Quant Time: Jan 06 04:31:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

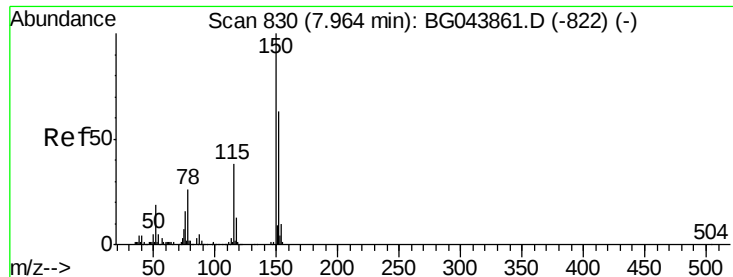
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	128703	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	544363	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	362192	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	790535	20.00	ng	0.00
76) Chrysene-d12	21.59	240	697256	20.00	ng	0.00
87) Perylene-d12	24.71	264	758406	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1114240	158.96	ng	0.00
7) Phenol-d6	7.14	99	1543980	157.58	ng	0.01
23) Nitrobenzene-d5	9.12	82	937775	92.16	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	556661	146.87	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1952448	97.67	ng	0.00
79) Terphenyl-d14	19.95	244	2729499	98.22	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.17	88	25386	8.306	ng	# 1
19) n-Nitroso-di-n-propylamine	9.12	70	123382	16.909	ng	# 78
32) Benzoic acid	10.26	122	55	6.270	ng	# 8
51) 2,6-Dinitrotoluene	14.59	165	47170	8.115	ng	# 27
57) 2,4-Dinitrotoluene	14.59	165	47170	5.964	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.08	198	2045	4.846	ng	# 1
67) 4-Bromophenyl-phenylether	16.08	248	40829	4.592	ng	# 1
77) Benzidine	19.96	184	60127	3.431	ng	# 93

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

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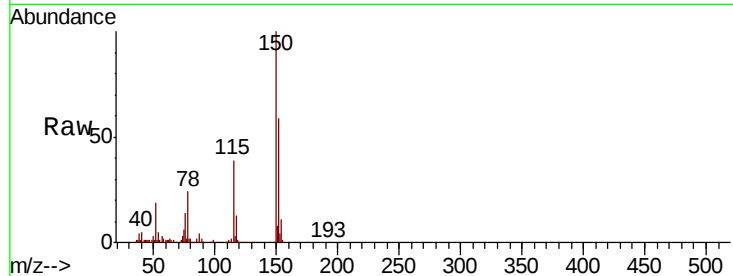




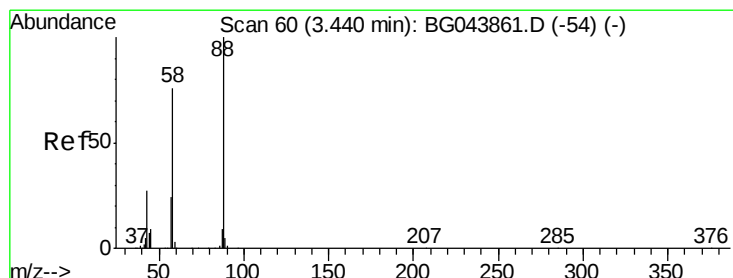
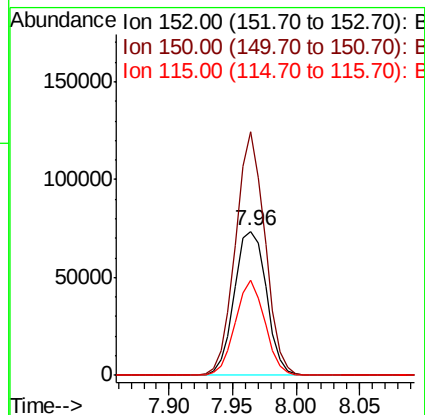
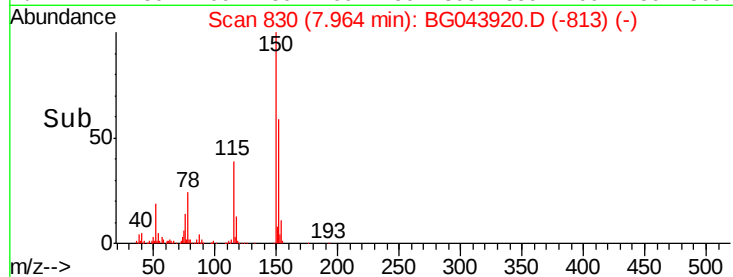
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 830
Delta R.T. -0.00 min
Lab File: BG043920.D
Acq: 4 Jan 2020 13:32

Tot Ion	Ratio	Lower	Upper
152	100		
150	168.8	127.0	190.4
115	66.4	47.8	71.8



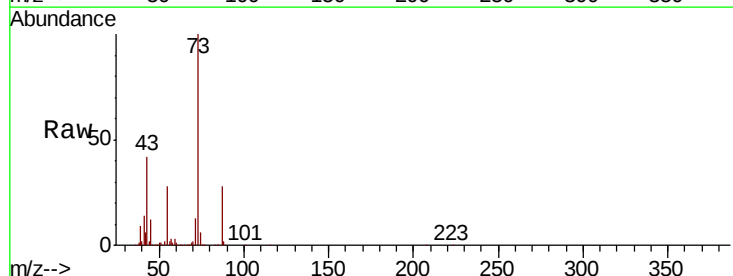
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



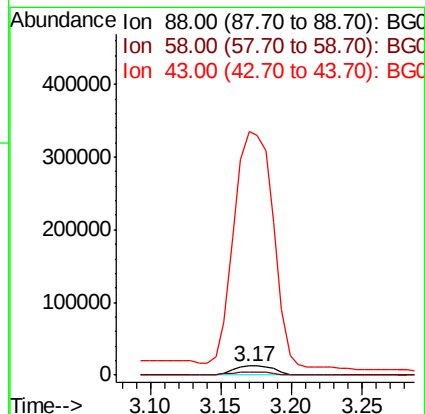
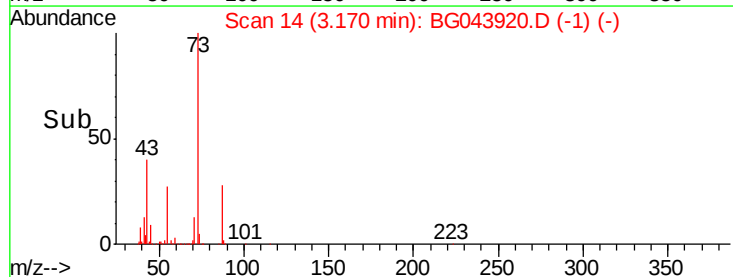
#2

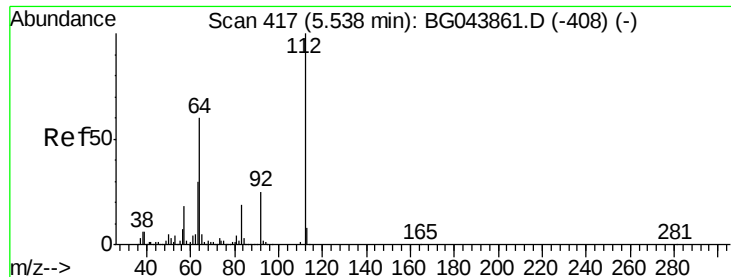
1,4-Dioxane
Concen: 8.306 ng
RT: 3.17 min Scan# 14
Delta R.T. -0.27 min
Lab File: BG043920.D
Acq: 4 Jan 2020 13:32

Tgt Ion	Ratio	Lower	Upper
88	100		
58	28.5	59.8	89.8#
43	2560.2	22.9	34.3#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 158.961 ng

RT: 5.54 min Scan# 418

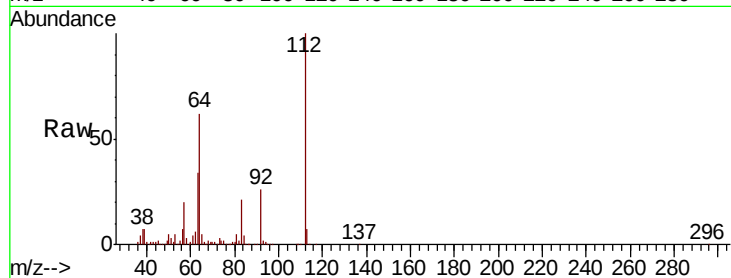
Delta R.T. 0.01 min

Lab File: BG043920.D

Acq: 4 Jan 2020 13:32

Tot Ion:112 Resp: 1114240

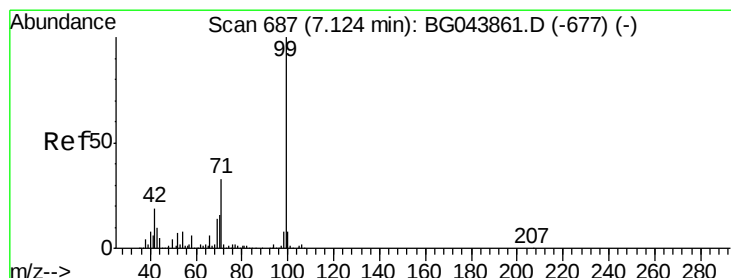
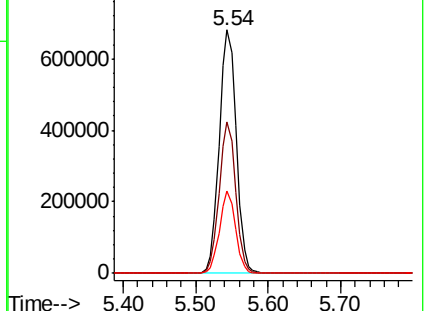
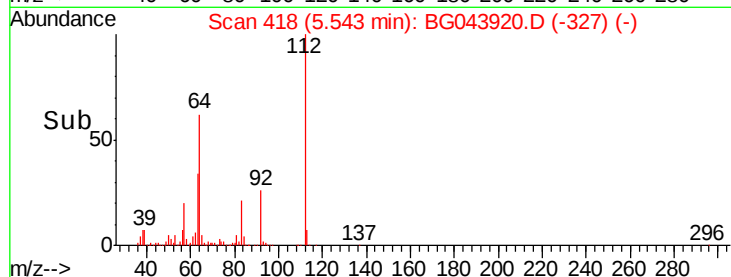
Ion	Ratio	Lower	Upper
112	100		
64	62.1	47.8	71.6
63	33.7	24.3	36.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 157.581 ng

RT: 7.14 min Scan# 689

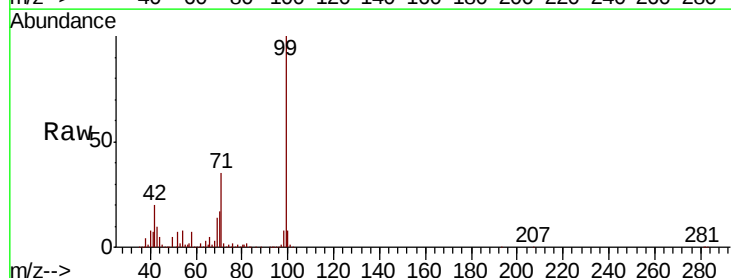
Delta R.T. 0.01 min

Lab File: BG043920.D

Acq: 4 Jan 2020 13:32

Tgt Ion: 99 Resp: 1543980

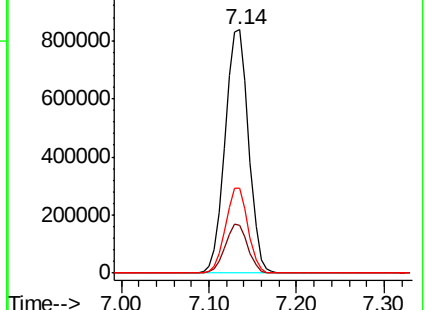
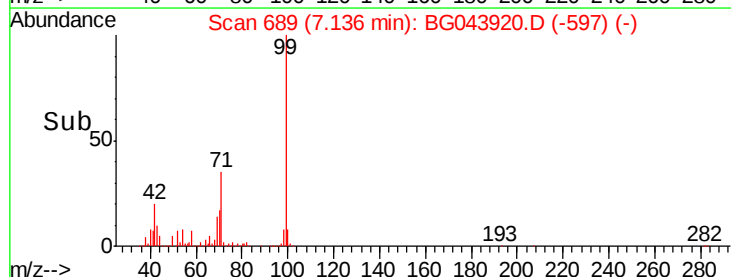
Ion	Ratio	Lower	Upper
99	100		
42	19.7	14.9	22.3
71	35.0	26.4	39.6



Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

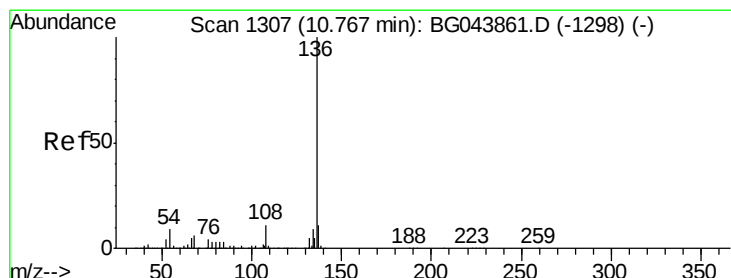
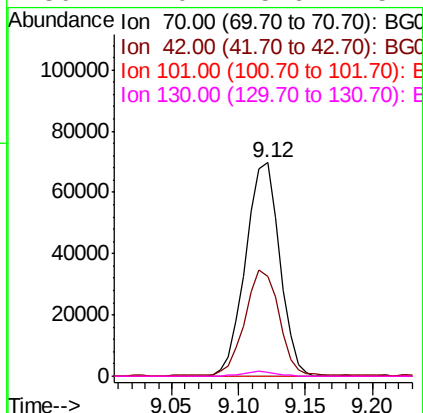
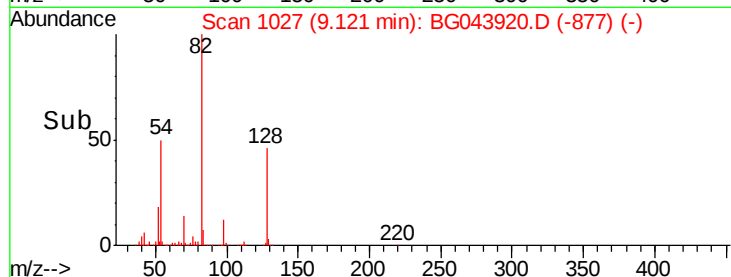
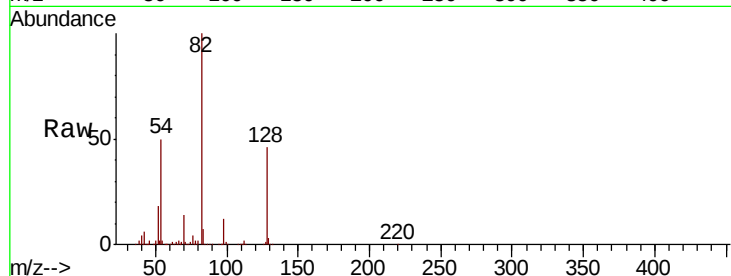
Ion 71.00 (70.70 to 71.70): BGC





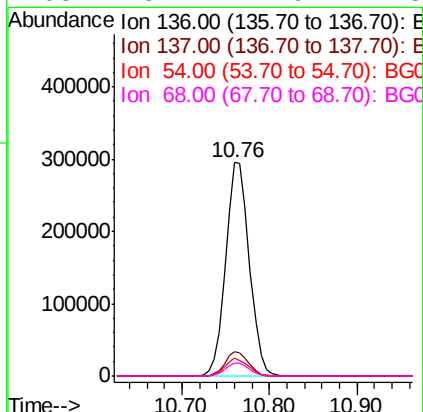
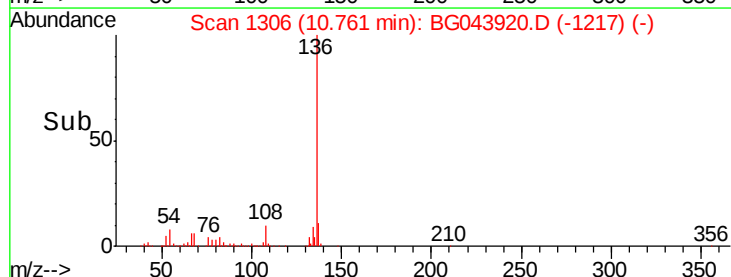
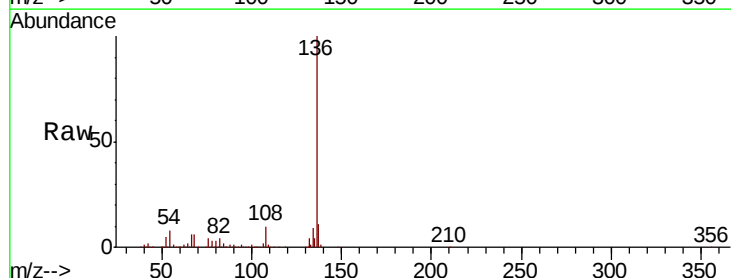
#19
n-Nitroso-di-n-propylamine
Concen: 16.909 ng
RT: 9.12 min Scan# 1027
Delta R.T. 0.35 min
Lab File: BG043920.D
Acq: 4 Jan 2020 13:32

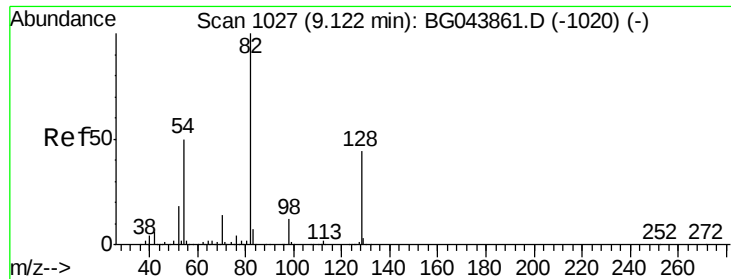
Tot Ion: 70 Resp: 123382
Ion Ratio Lower Upper
70 100
42 46.7 47.0 70.4#
101 0.0 7.2 10.8#
130 2.0 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BG043920.D
Acq: 4 Jan 2020 13:32

Tgt Ion: 136 Resp: 544363
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 8.2 7.0 10.4
68 5.7 4.9 7.3





#23

Nitrobenzene-d5

Concen: 92.157 ng

RT: 9.12 min Scan# 1027

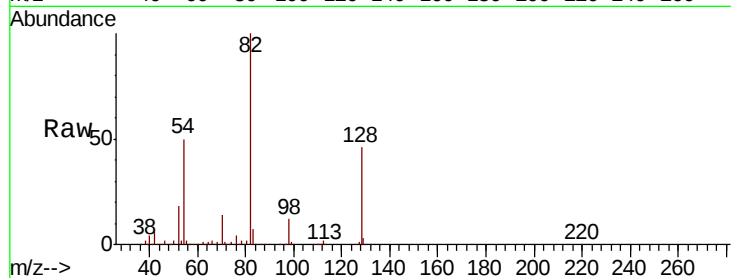
Delta R.T. -0.00 min

Lab File: BG043920.D

Acq: 4 Jan 2020 13:32

Tot Ion: 82 Resp: 937775

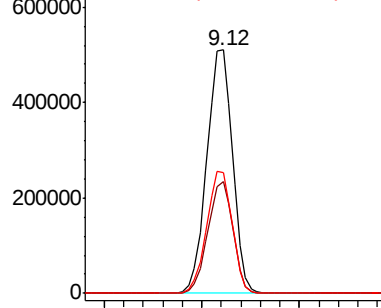
Ion	Ratio	Lower	Upper
82	100		
128	45.8	35.1	52.7
54	49.7	40.1	60.1



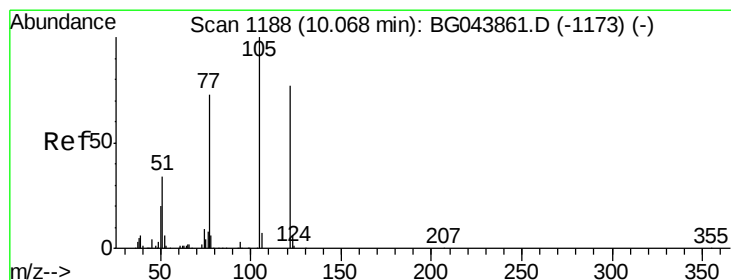
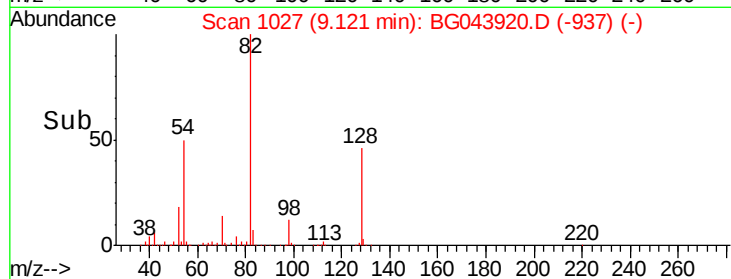
Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



Time-->



#32

Benzoic acid

Concen: 6.270 ng

RT: 10.26 min Scan# 1220

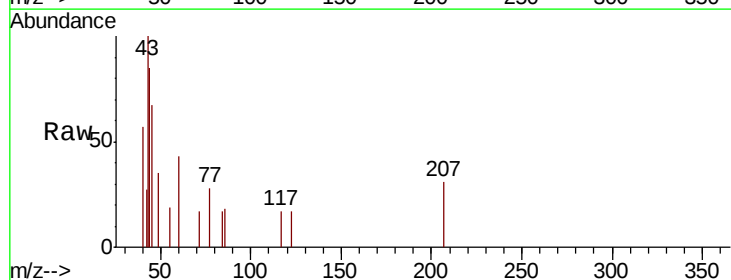
Delta R.T. 0.19 min

Lab File: BG043920.D

Acq: 4 Jan 2020 13:32

Tgt Ion: 122 Resp: 55

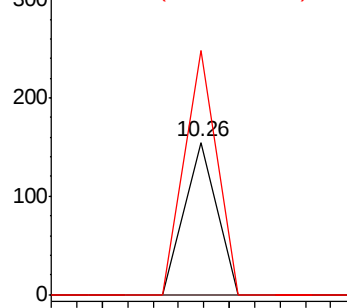
Ion	Ratio	Lower	Upper
122	100		
105	0.0	106.4	146.4#
77	160.0	74.6	114.6#



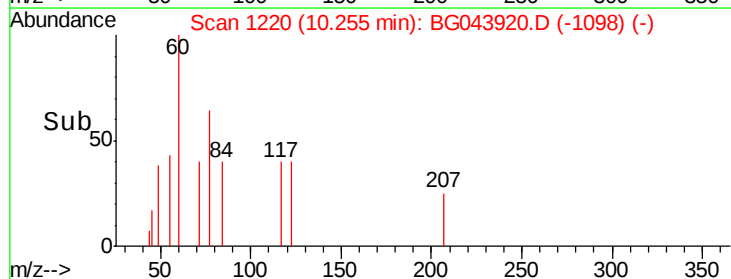
Abundance Ion 122.00 (121.70 to 122.70): BGC

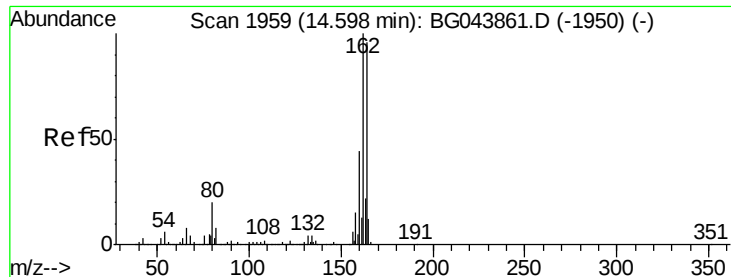
Ion 105.00 (104.70 to 105.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



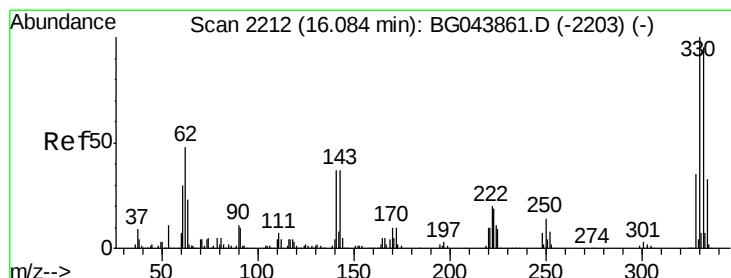
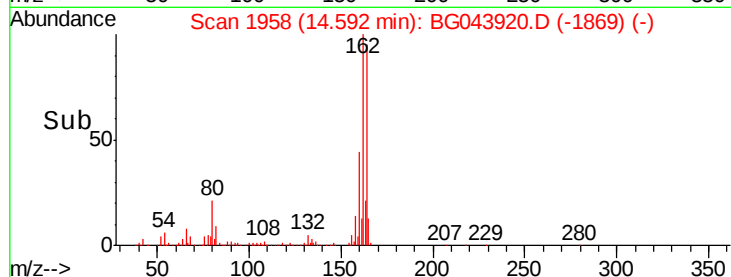
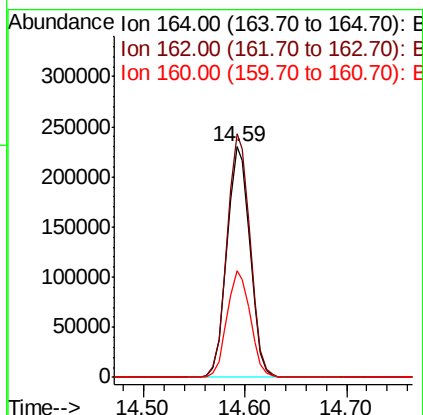
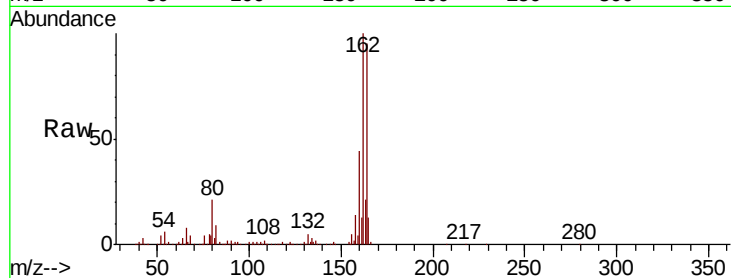
Time-->





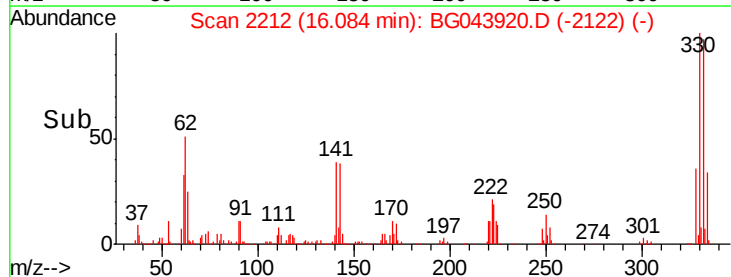
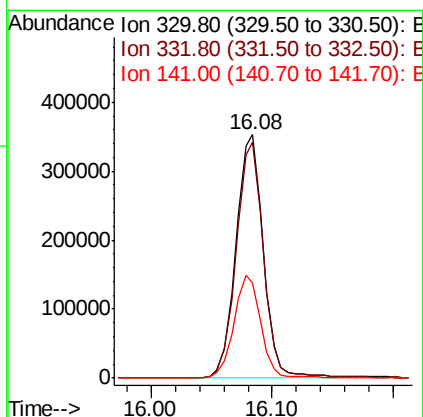
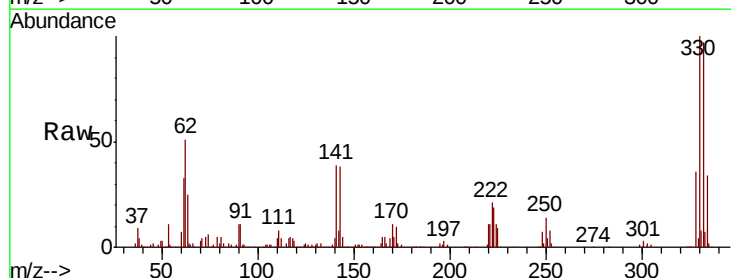
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BG043920.D
Acq: 4 Jan 2020 13:32

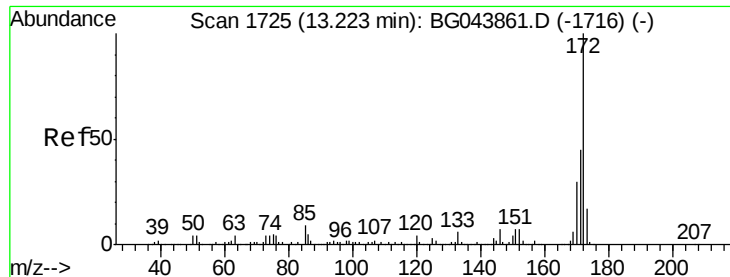
Tot Ion	Ratio	Lower	Upper
164	100		
162	105.7	83.0	124.4
160	46.5	36.1	54.1



#42
2,4,6-Tribromophenol
Concen: 146.866 ng
RT: 16.08 min Scan# 2212
Delta R.T. -0.00 min
Lab File: BG043920.D
Acq: 4 Jan 2020 13:32

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.2	115.8
141	41.7	33.1	49.7

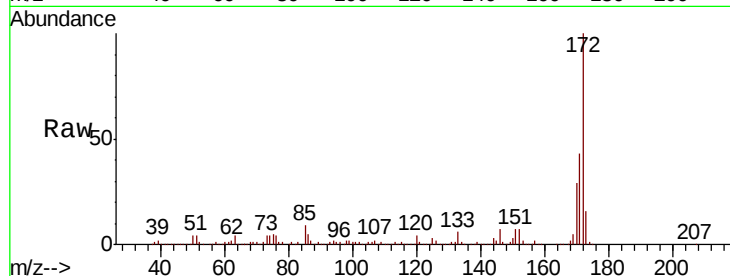




#45
 2-Fluorobiphenyl
 Concen: 97.666 ng
 RT: 13.22 min Scan# 1724
 Delta R.T. -0.01 min
 Lab File: BG043920.D
 Acq: 4 Jan 2020 13:32

Tot Ion:172 Resp: 1952448

Ion	Ratio	Lower	Upper
172	100		
171	42.6	35.8	53.8
170	29.3	24.2	36.4

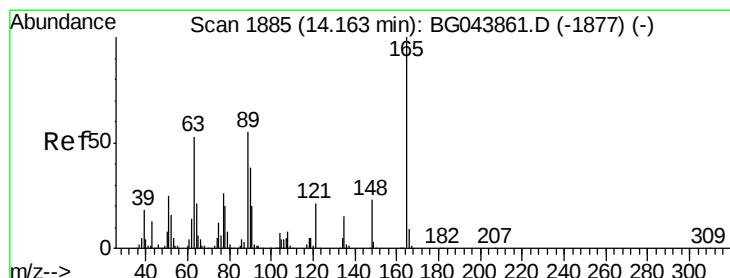
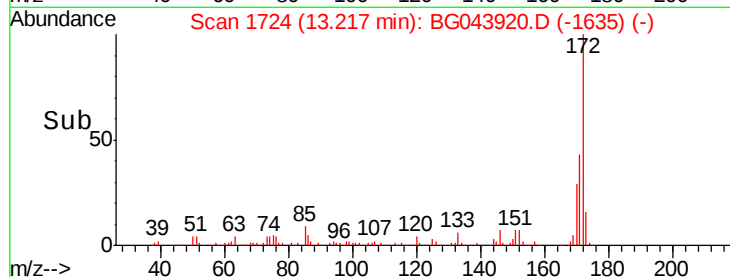
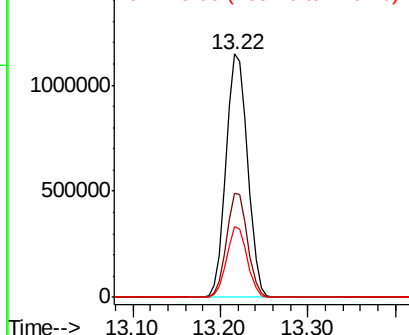


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

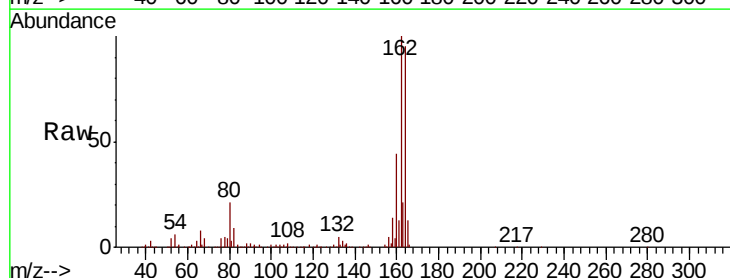
Ion 170.00 (169.70 to 170.70): E



#51
 2,6-Dinitrotoluene
 Concen: 8.115 ng
 RT: 14.59 min Scan# 1958
 Delta R.T. 0.43 min
 Lab File: BG043920.D
 Acq: 4 Jan 2020 13:32

Tgt Ion:165 Resp: 47170

Ion	Ratio	Lower	Upper
165	100		
63	1.2	43.1	64.7#
89	2.0	43.8	65.6#

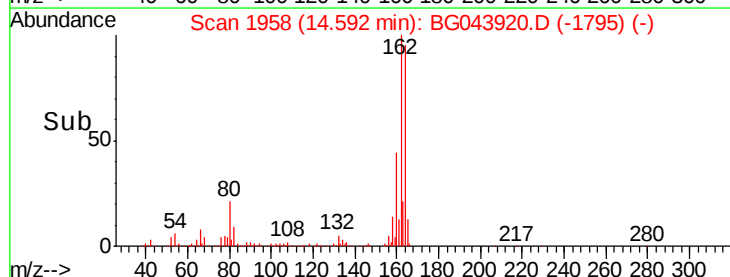
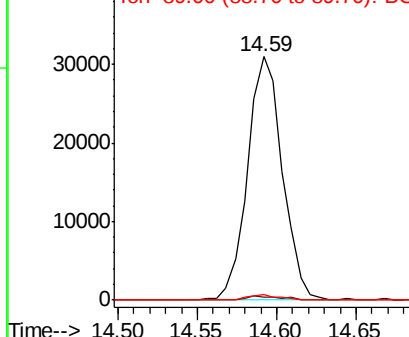


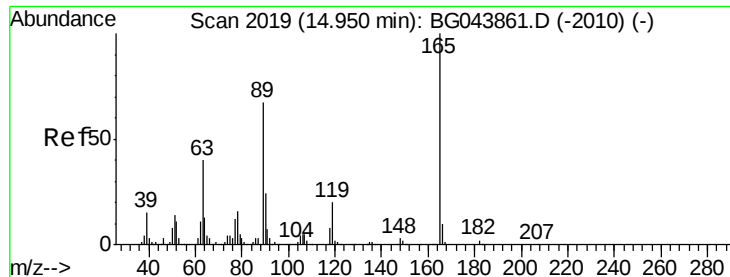
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

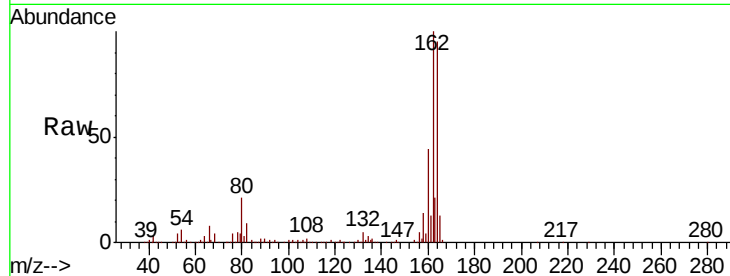
Ion 89.00 (88.70 to 89.70): BG0



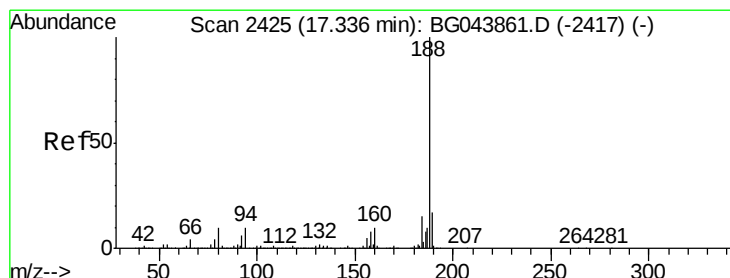
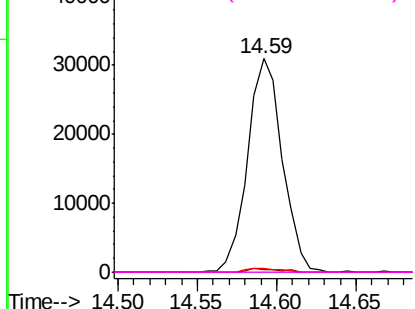
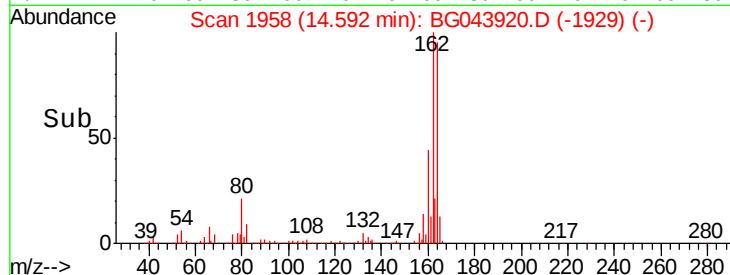


#57
 2,4-Dinitrotoluene
 Concen: 5.964 ng
 RT: 14.59 min Scan# 1958
 Delta R.T. -0.36 min
 Lab File: BG043920.D
 Acq: 4 Jan 2020 13:32

Tot Ion:165 Resp: 47170
 Ion Ratio Lower Upper
 165 100
 63 1.2 31.9 47.9#
 89 2.0 53.8 80.6#
 182 0.0 2.0 3.0#

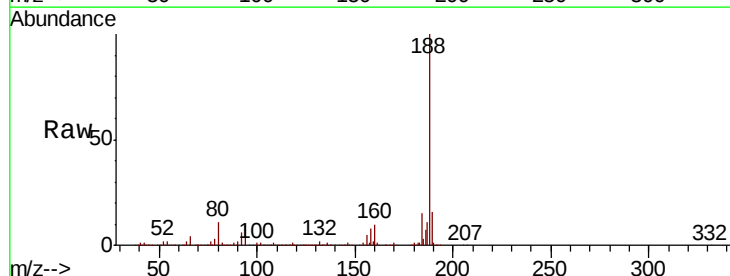


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

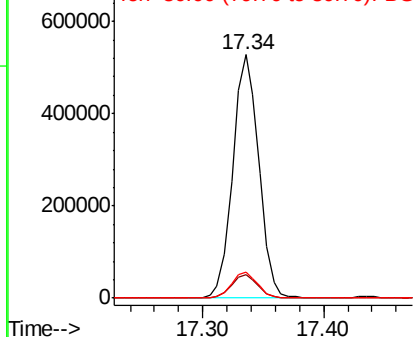
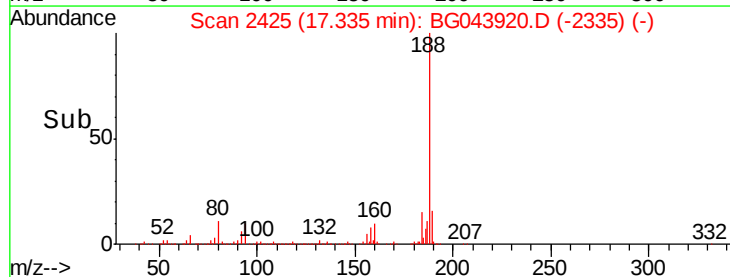


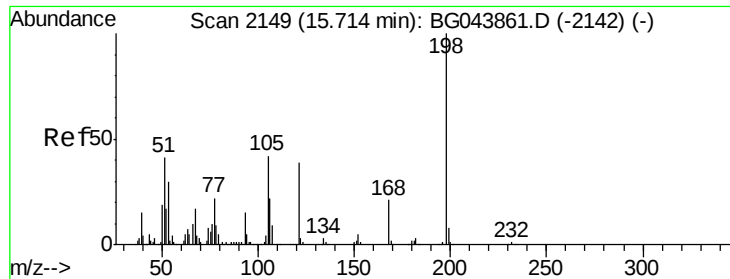
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.34 min Scan# 2425
 Delta R.T. -0.00 min
 Lab File: BG043920.D
 Acq: 4 Jan 2020 13:32

Tgt Ion:188 Resp: 790535
 Ion Ratio Lower Upper
 188 100
 94 9.7 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): BGC
 Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 4.846 ng

RT: 16.08 min Scan# 2211

Delta R.T. 0.36 min

Lab File: BG043920.D

Acq: 4 Jan 2020 13:32

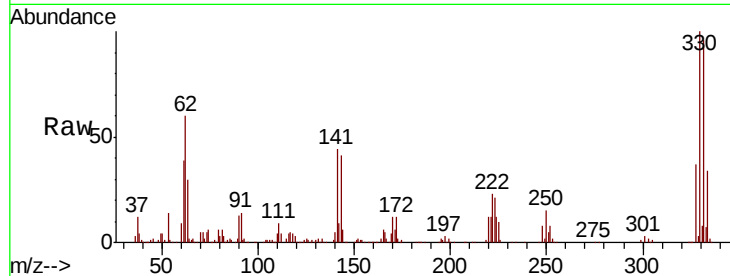
Tot Ion:198 Resp: 2045

Ion Ratio Lower Upper

198 100

51 120.1 22.5 62.5#

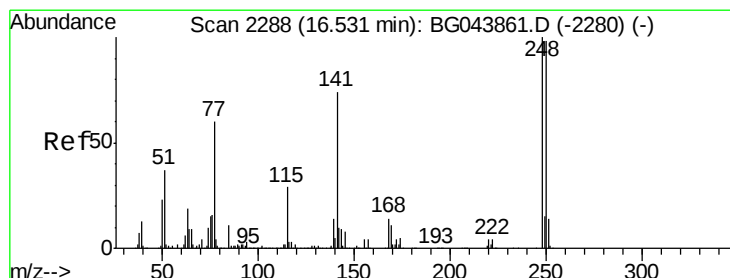
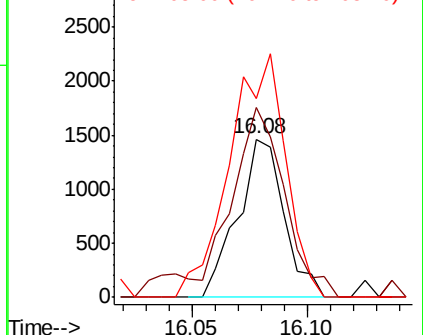
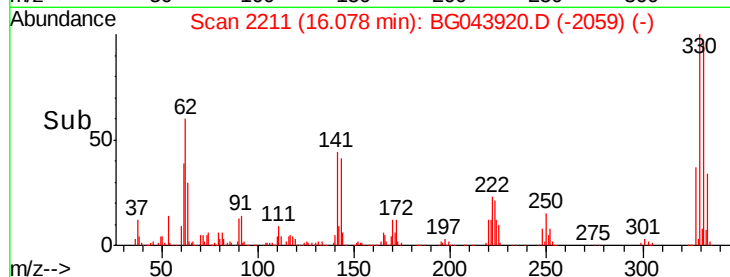
105 125.2 22.3 62.3#



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: 4.592 ng

RT: 16.08 min Scan# 2212

Delta R.T. -0.45 min

Lab File: BG043920.D

Acq: 4 Jan 2020 13:32

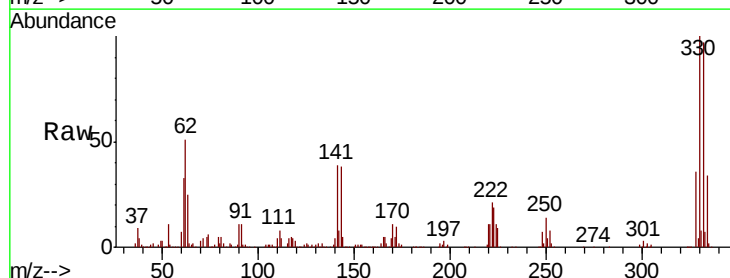
Tgt Ion:248 Resp: 40829

Ion Ratio Lower Upper

248 100

250 185.7 78.2 117.2#

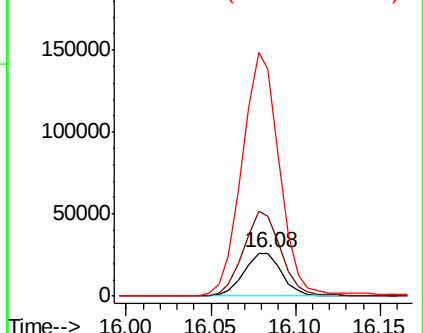
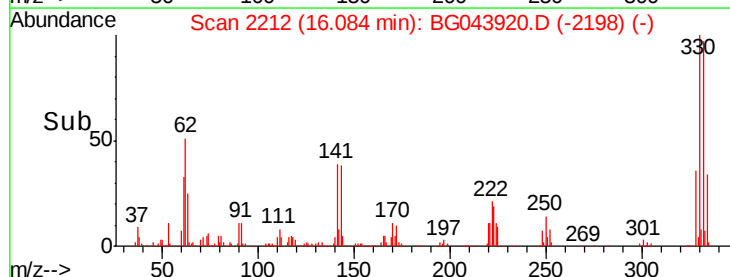
141 530.5 59.3 88.9#

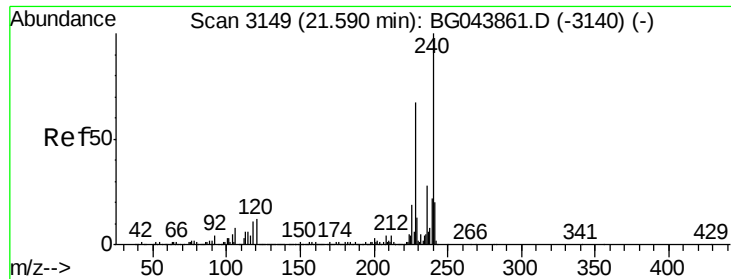


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

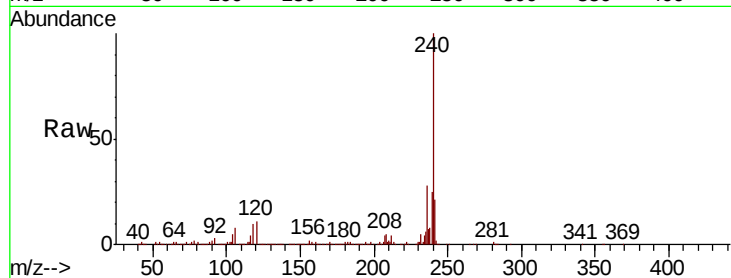
Ion 141.00 (140.70 to 141.70): E



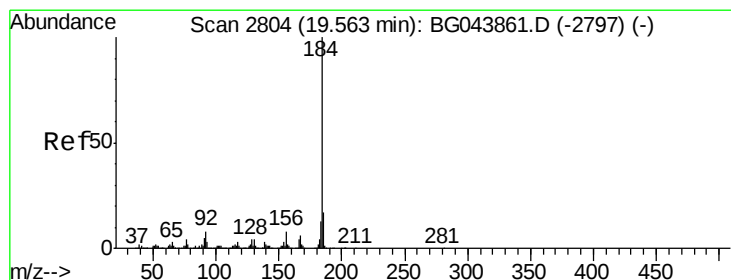
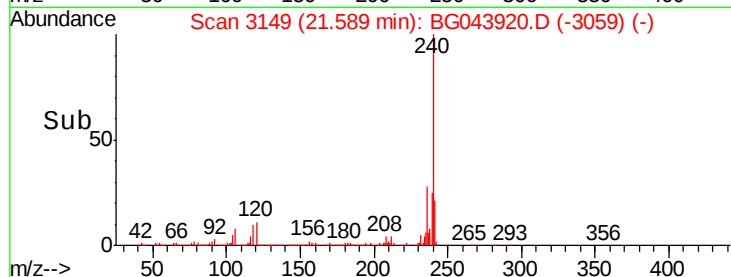
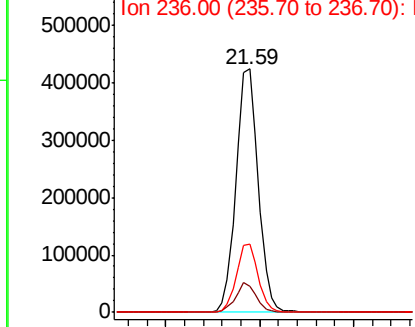


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.59 min Scan# 3149
Delta R.T. -0.00 min
Lab File: BG043920.D
Acq: 4 Jan 2020 13:32

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.6	14.4
236	27.8	22.2	33.2

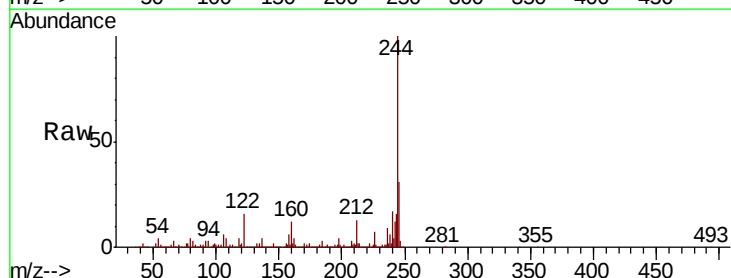


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

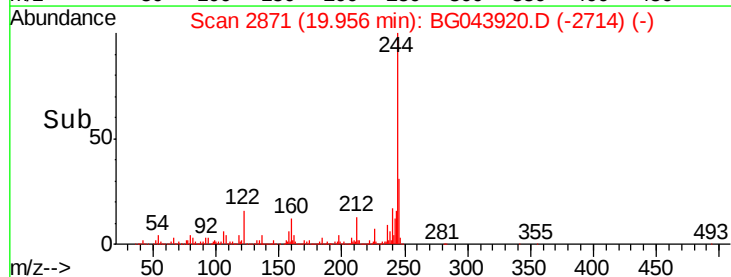
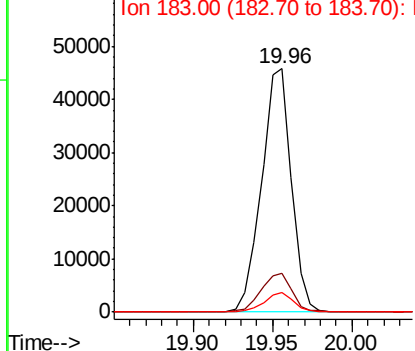


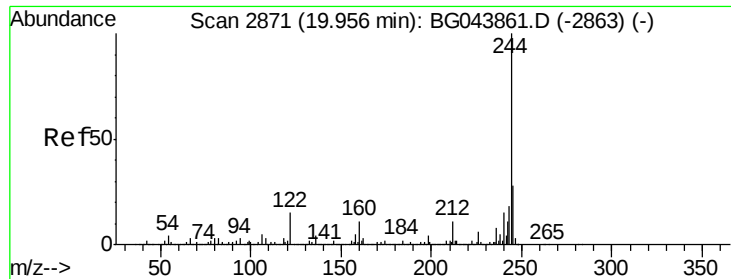
#77
Benzidine
Concen: 3.431 ng
RT: 19.96 min Scan# 2871
Delta R.T. 0.39 min
Lab File: BG043920.D
Acq: 4 Jan 2020 13:32

Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.0	13.4	20.0
183	8.1	10.6	15.8



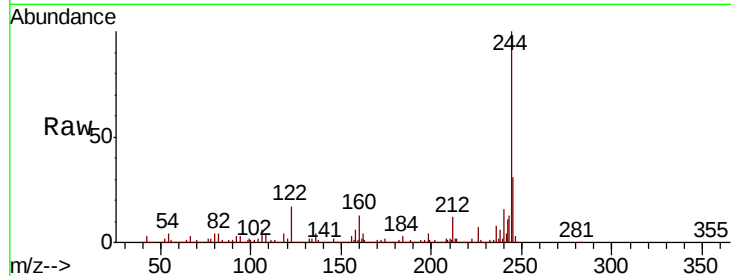
Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



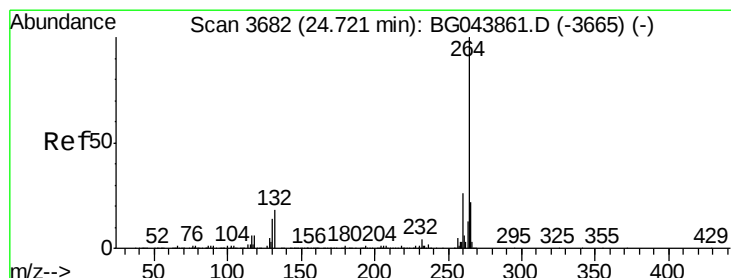
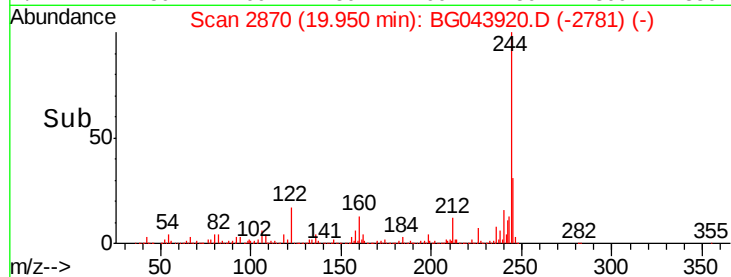
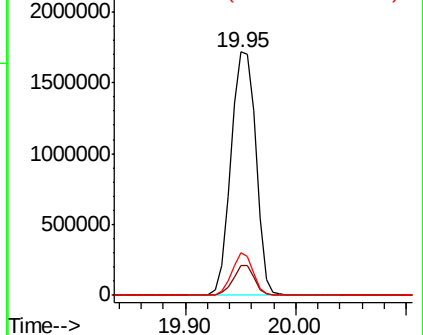


#79
 Terphenyl-d14
 Concen: 98.221 ng
 RT: 19.95 min Scan# 2870
 Delta R.T. -0.01 min
 Lab File: BG043920.D
 Acq: 4 Jan 2020 13:32

Tot Ion:244 Resp: 2729499
 Ion Ratio Lower Upper
 244 100
 212 12.2 8.6 13.0
 122 17.3 11.9 17.9

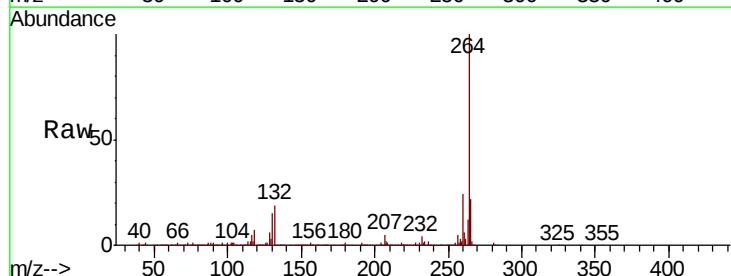


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.71 min Scan# 3681
 Delta R.T. -0.01 min
 Lab File: BG043920.D
 Acq: 4 Jan 2020 13:32

Tgt Ion:264 Resp: 758406
 Ion Ratio Lower Upper
 264 100
 260 24.3 20.4 30.6
 265 21.7 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

