

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010320\
 Data File : BG043917.D
 Acq On : 4 Jan 2020 11:35
 Operator : JU
 Sample : K6479-05
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

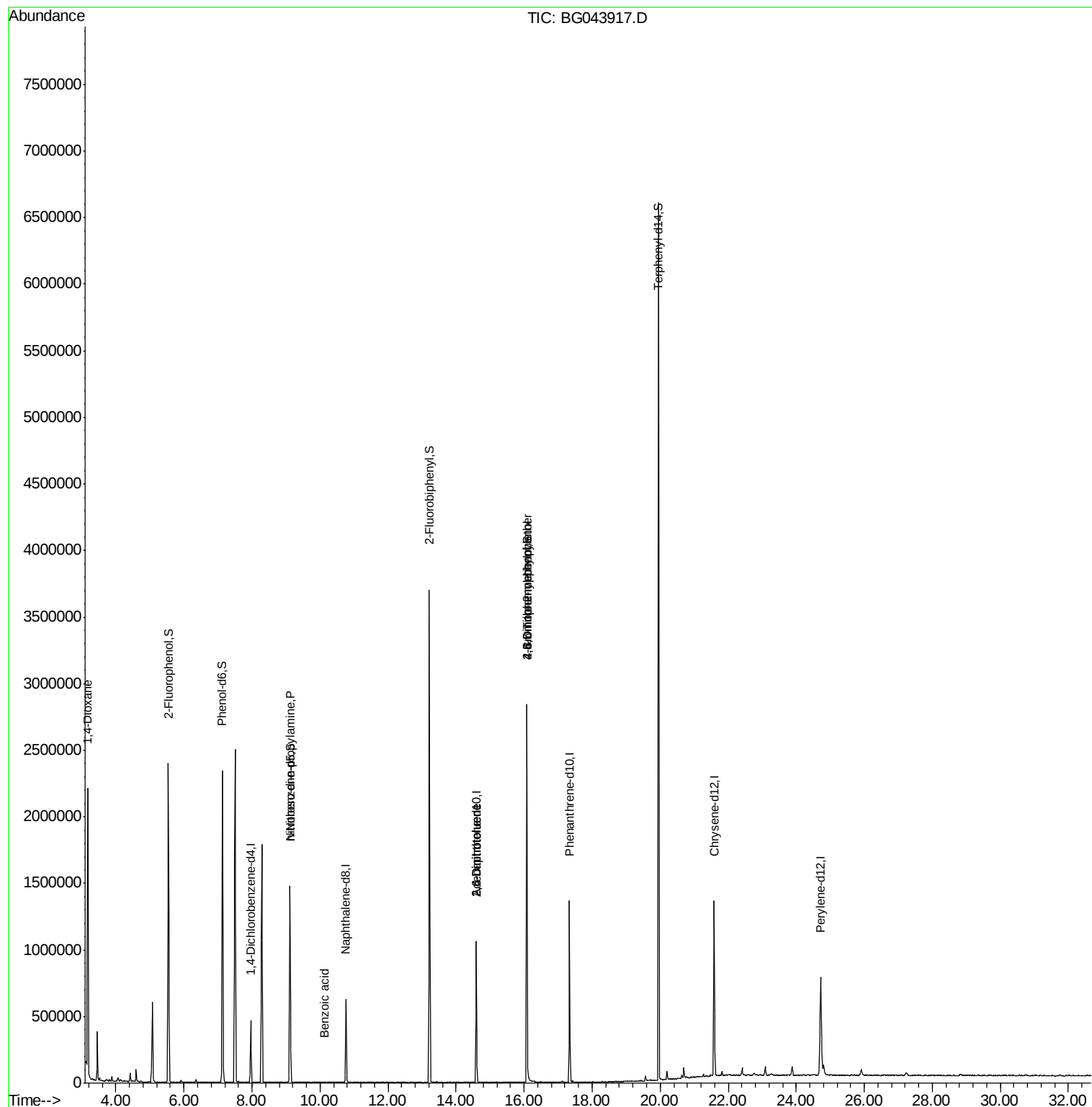
Quant Time: Jan 06 04:31:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

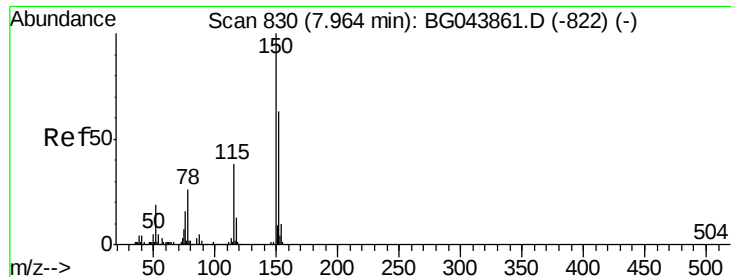
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	133378	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	560171	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	373249	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	818876	20.00	ng	0.00
76) Chrysene-d12	21.58	240	713789	20.00	ng	0.00
87) Perylene-d12	24.72	264	781324	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1069123	147.18	ng	0.00
7) Phenol-d6	7.13	99	1427876	140.62	ng	0.00
23) Nitrobenzene-d5	9.12	82	922112	88.06	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	517321	132.44	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1916510	93.03	ng	0.00
79) Terphenyl-d14	19.95	244	2672651	92.32	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.17	88	25214	7.961	ng	# 1
19) n-Nitroso-di-n-propylamine	9.12	70	122803	16.240	ng	# 78
32) Benzoic acid	10.12	122	54	6.270	ng	# 1
51) 2,6-Dinitrotoluene	14.59	165	50910	8.499	ng	# 26
57) 2,4-Dinitrotoluene	14.59	165	50910	6.246	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.08	198	1748	4.766	ng	# 1
67) 4-Bromophenyl-phenylether	16.08	248	37156	4.034	ng	# 1

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

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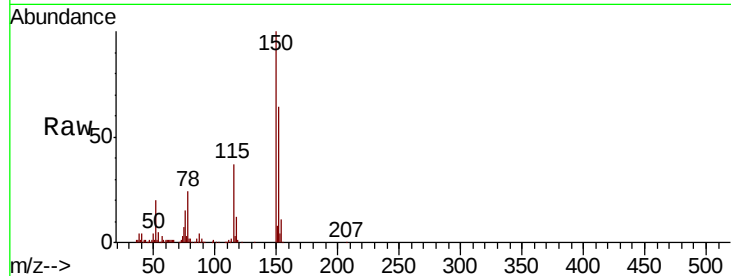




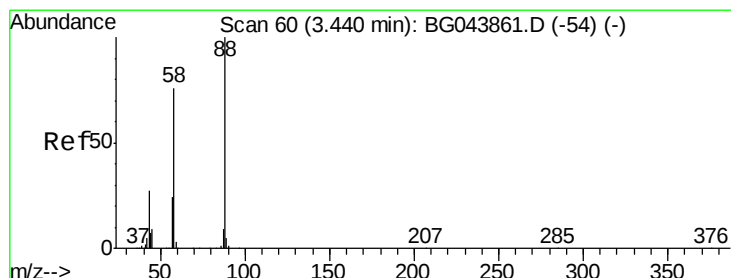
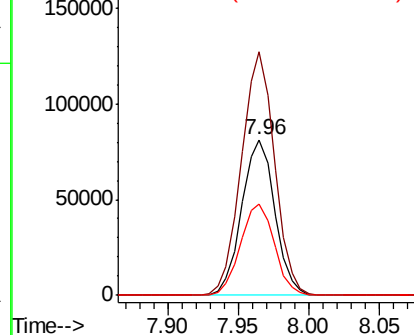
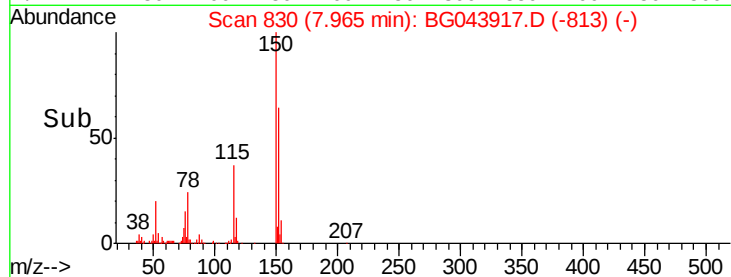
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 830
Delta R.T. 0.00 min
Lab File: BG043917.D
Acq: 4 Jan 2020 11:35

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	127.0	190.4
115	58.6	47.8	71.8



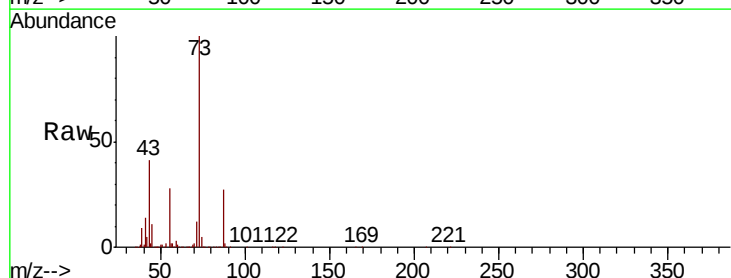
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



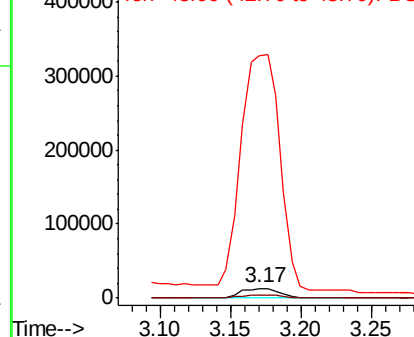
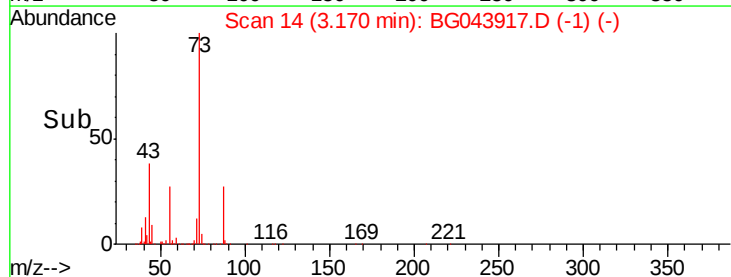
#2

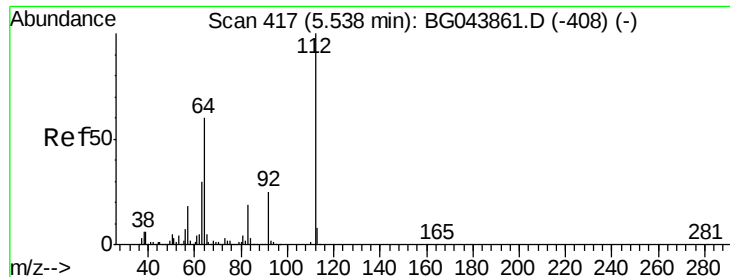
1,4-Dioxane
Concen: 7.961 ng
RT: 3.17 min Scan# 14
Delta R.T. -0.27 min
Lab File: BG043917.D
Acq: 4 Jan 2020 11:35

Tgt Ion	Ratio	Lower	Upper
88	100		
58	27.8	59.8	89.8#
43	2556.8	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: 147.179 ng

RT: 5.54 min Scan# 418

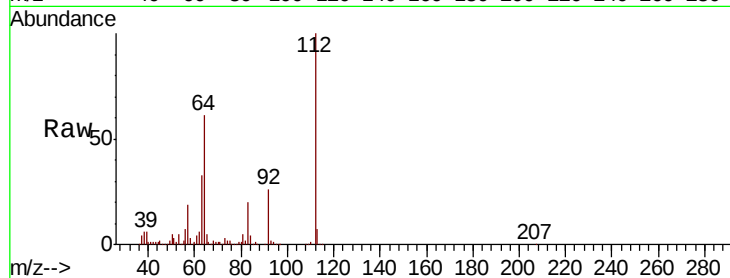
Delta R.T. 0.01 min

Lab File: BG043917.D

Acq: 4 Jan 2020 11:35

Tot Ion:112 Resp: 1069123

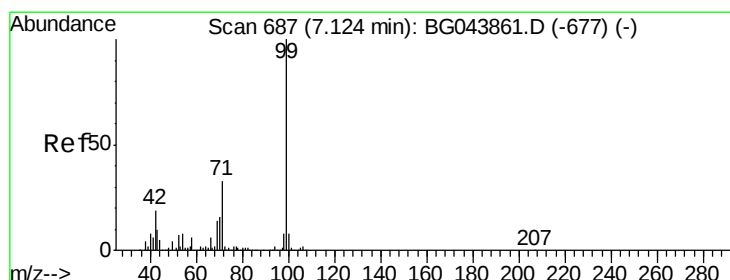
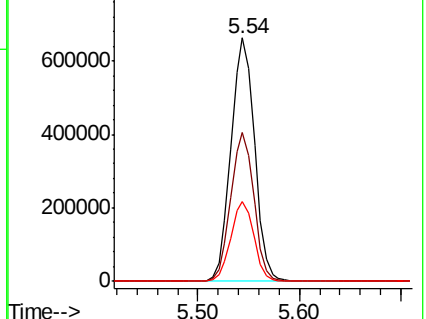
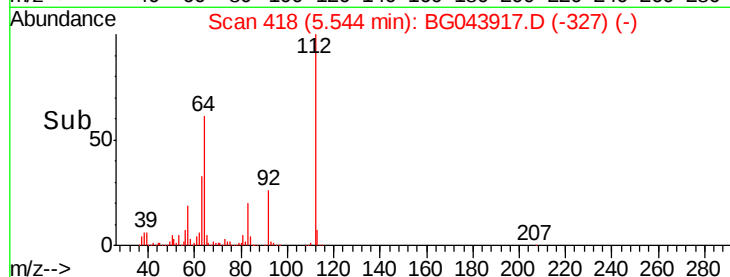
Ion	Ratio	Lower	Upper
112	100		
64	61.1	47.8	71.6
63	32.6	24.3	36.5



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 140.623 ng

RT: 7.13 min Scan# 688

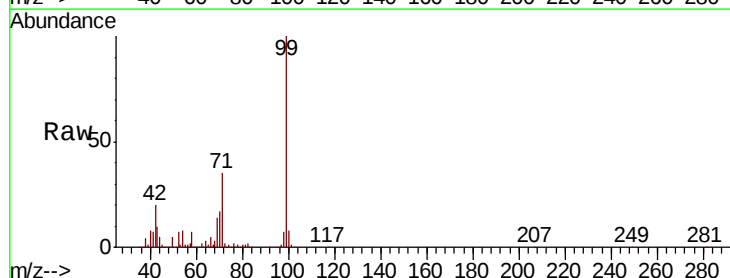
Delta R.T. 0.01 min

Lab File: BG043917.D

Acq: 4 Jan 2020 11:35

Tgt Ion: 99 Resp: 1427876

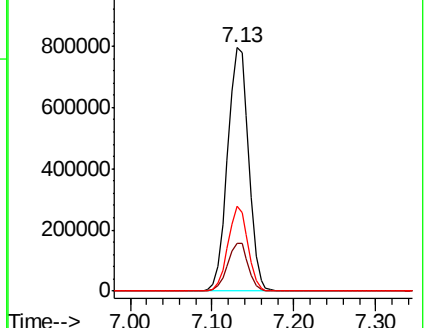
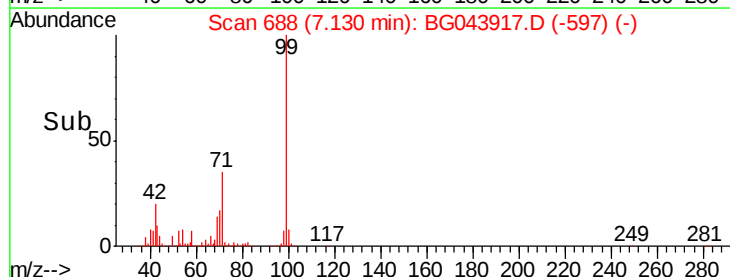
Ion	Ratio	Lower	Upper
99	100		
42	19.7	14.9	22.3
71	34.9	26.4	39.6

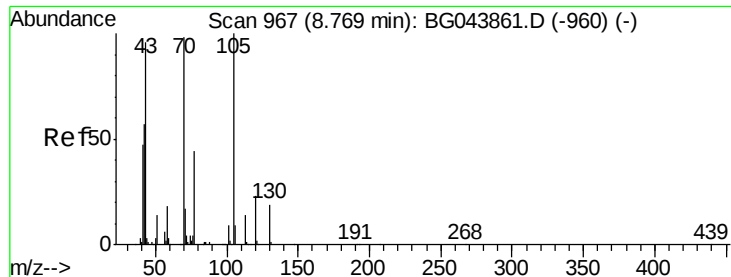


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

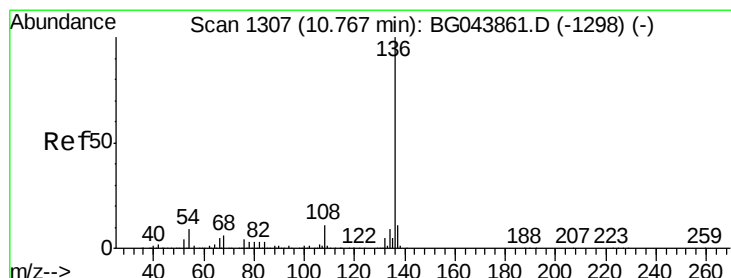
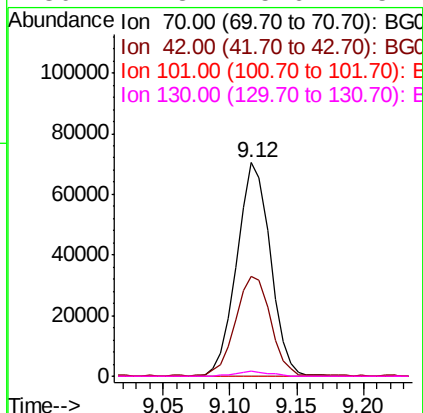
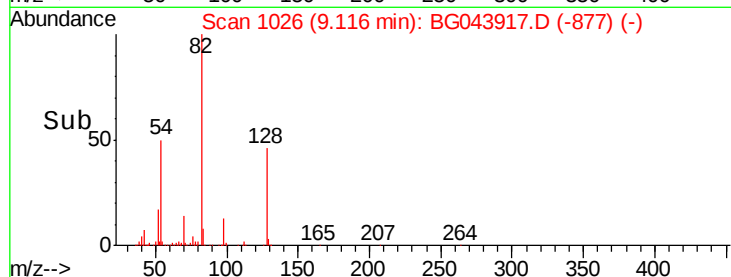
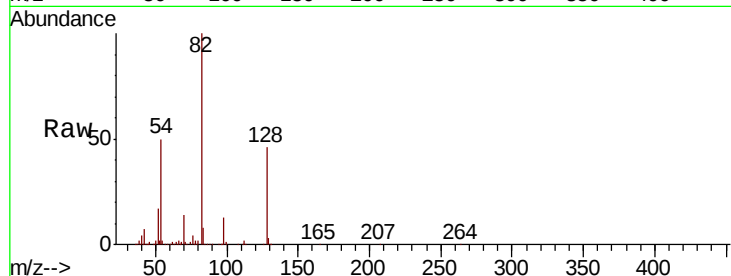
Ion 71.00 (70.70 to 71.70): BGC





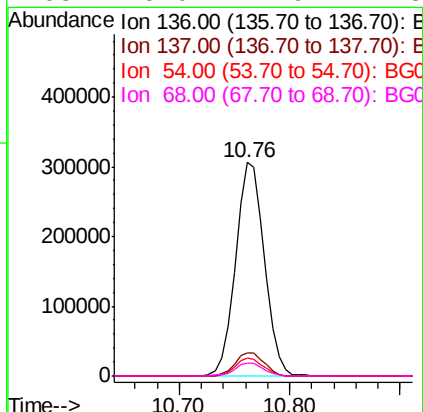
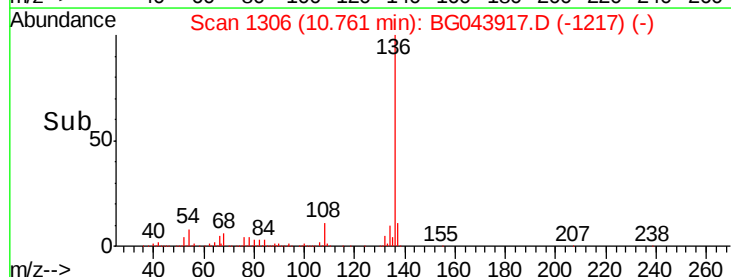
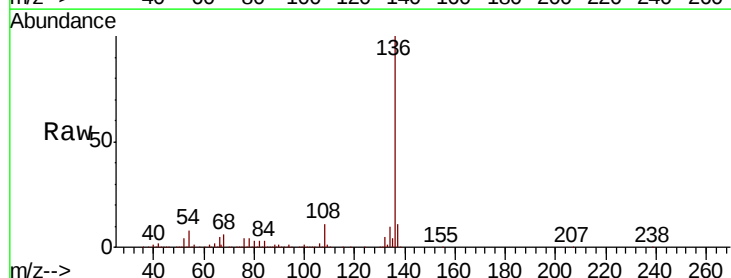
#19
n-Nitroso-di-n-propylamine
Concen: 16.240 ng
RT: 9.12 min Scan# 1026
Delta R.T. 0.35 min
Lab File: BG043917.D
Acq: 4 Jan 2020 11:35

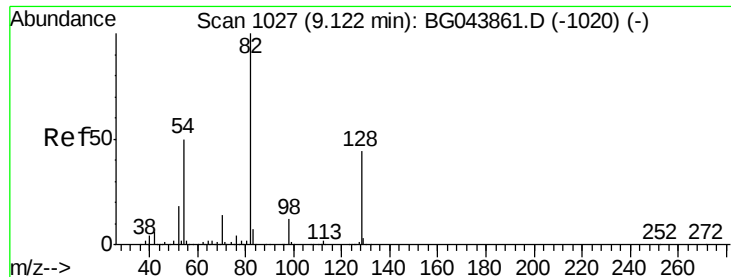
Tot Ion: 70 Resp: 122803
Ion Ratio Lower Upper
70 100
42 47.0 47.0 70.4
101 0.0 7.2 10.8#
130 2.3 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BG043917.D
Acq: 4 Jan 2020 11:35

Tgt Ion: 136 Resp: 560171
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.2 7.0 10.4
68 6.0 4.9 7.3





#23

Nitrobenzene-d5

Concen: 88.061 ng

RT: 9.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BG043917.D

Acq: 4 Jan 2020 11:35

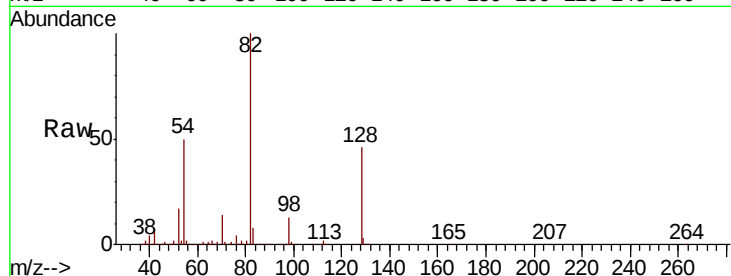
Tot Ion: 82 Resp: 922112

Ion Ratio Lower Upper

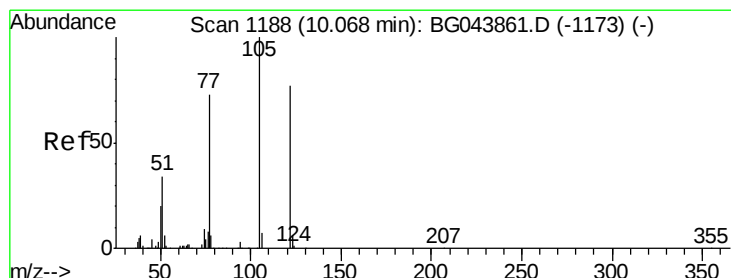
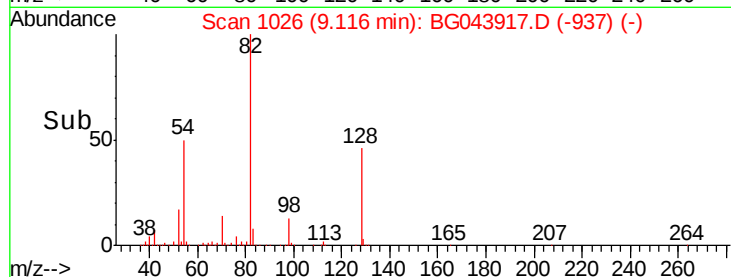
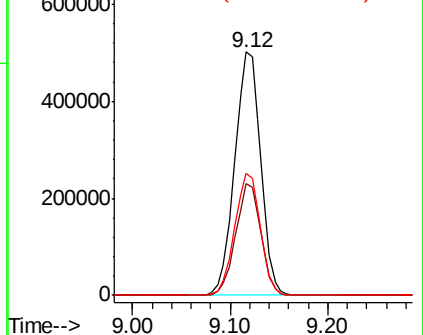
82 100

128 46.1 35.1 52.7

54 49.9 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: 10.12 min Scan# 1196

Delta R.T. 0.05 min

Lab File: BG043917.D

Acq: 4 Jan 2020 11:35

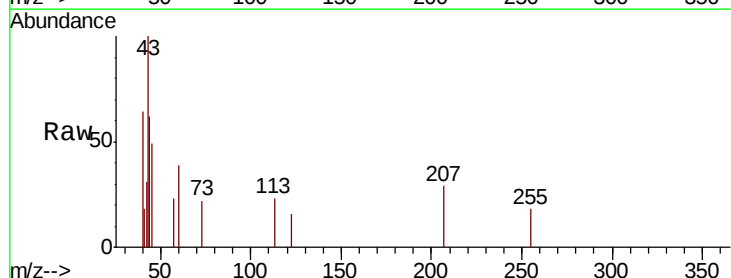
Tgt Ion: 122 Resp: 54

Ion Ratio Lower Upper

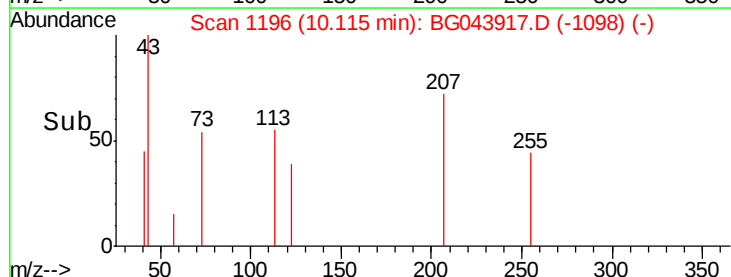
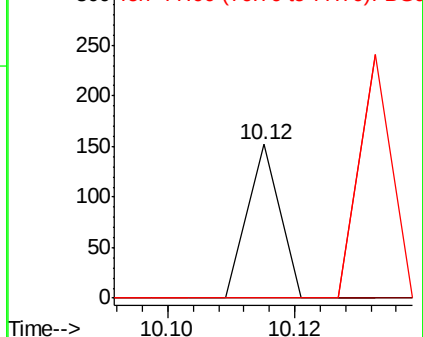
122 100

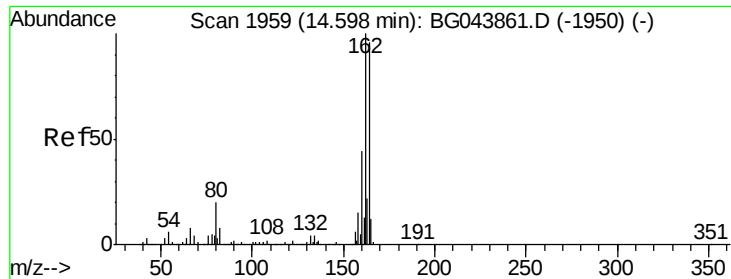
105 0.0 106.4 146.4#

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: BG043917.D

Acq: 4 Jan 2020 11:35

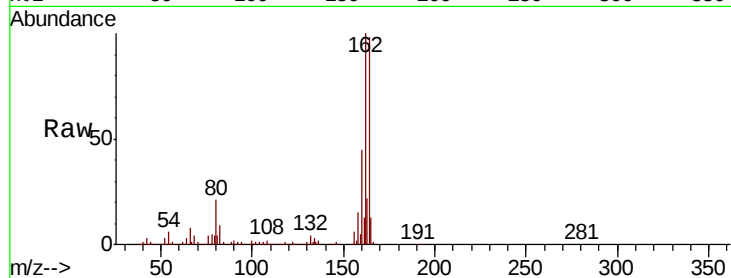
Tot Ion:164 Resp: 373249

Ion Ratio Lower Upper

164 100

162 102.2 83.0 124.4

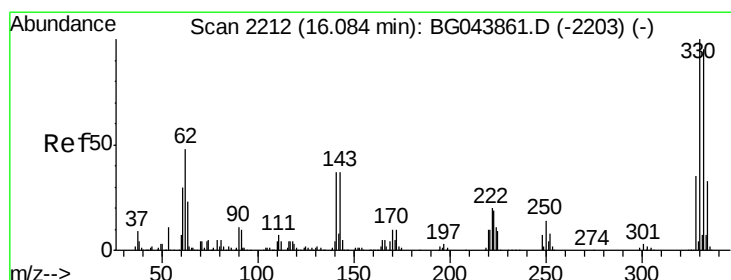
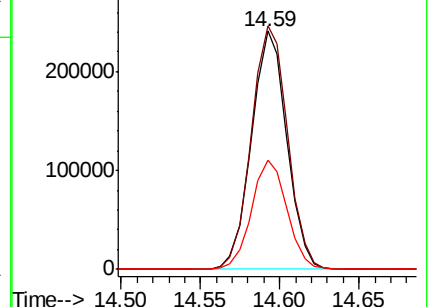
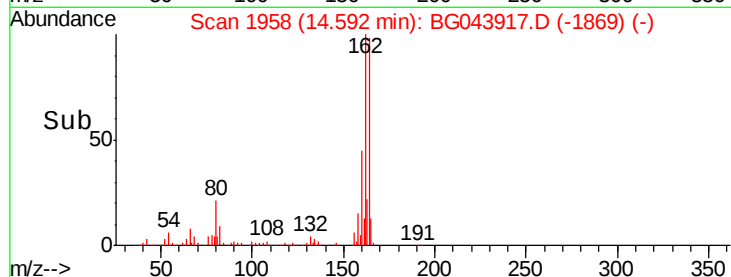
160 45.6 36.1 54.1



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: 132.443 ng

RT: 16.08 min Scan# 2211

Delta R.T. -0.01 min

Lab File: BG043917.D

Acq: 4 Jan 2020 11:35

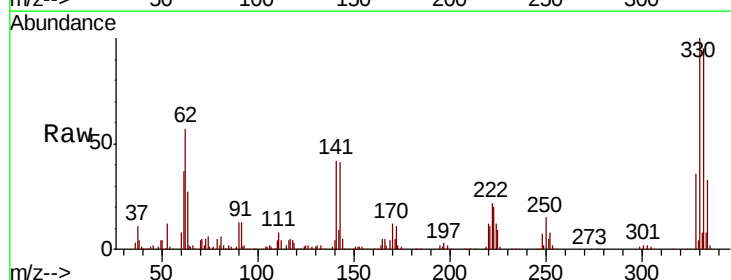
Tgt Ion:330 Resp: 517321

Ion Ratio Lower Upper

330 100

332 97.1 77.2 115.8

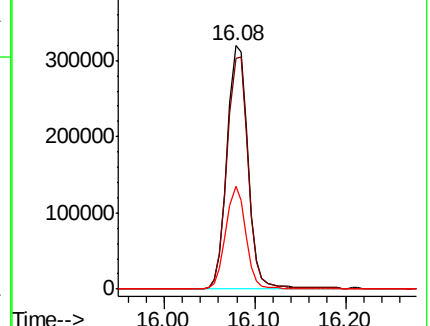
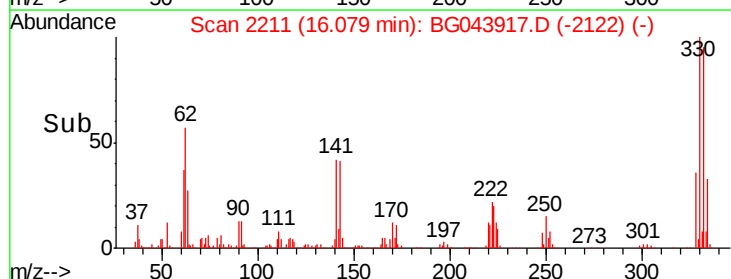
141 40.5 33.1 49.7

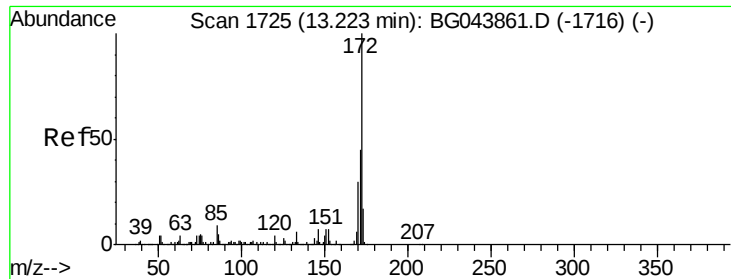


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

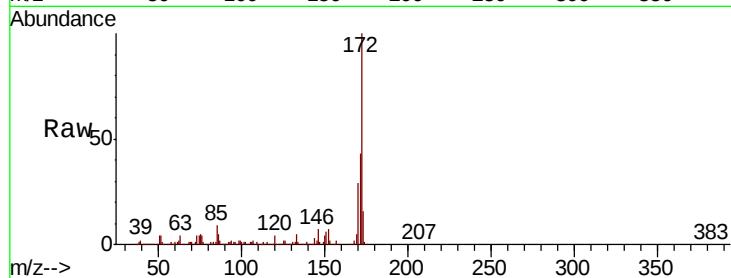




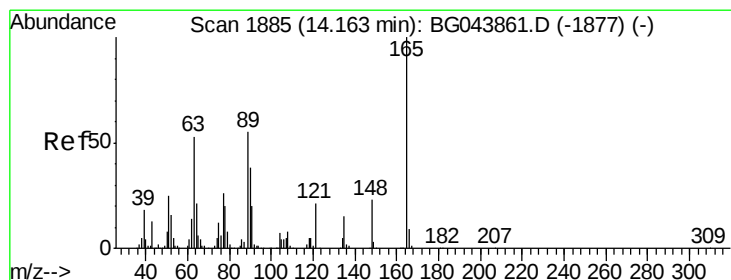
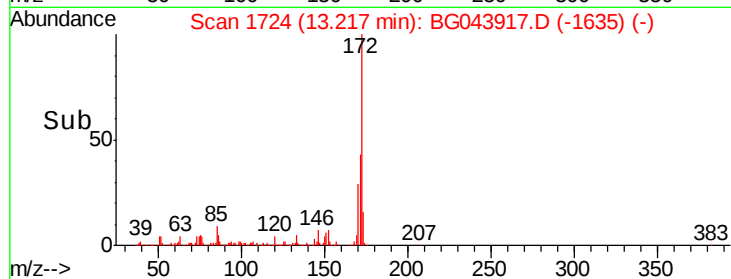
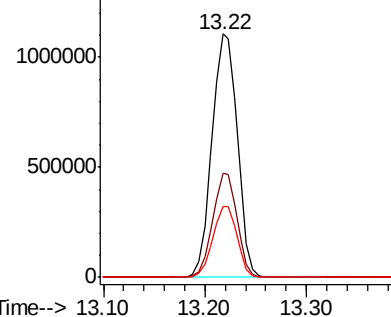
#45
 2-Fluorobiphenyl
 Concen: 93.028 ng
 RT: 13.22 min Scan# 1724
 Delta R.T. -0.01 min
 Lab File: BG043917.D
 Acq: 4 Jan 2020 11:35

Tot Ion:172 Resp: 1916510

Ion	Ratio	Lower	Upper
172	100		
171	42.6	35.8	53.8
170	29.2	24.2	36.4



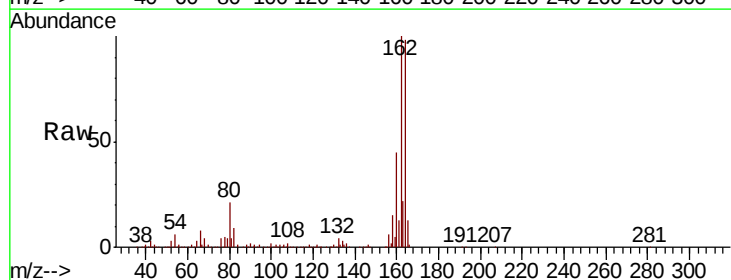
Abundance Ion 172.00 (171.70 to 172.70): E
 1500000
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



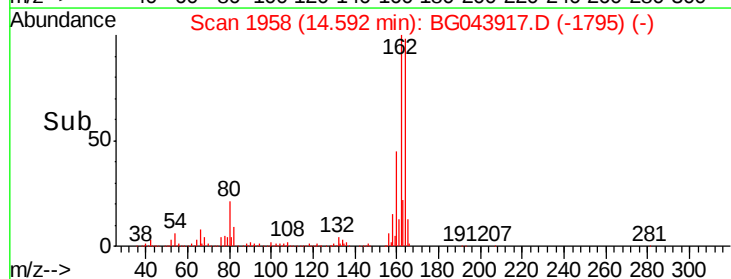
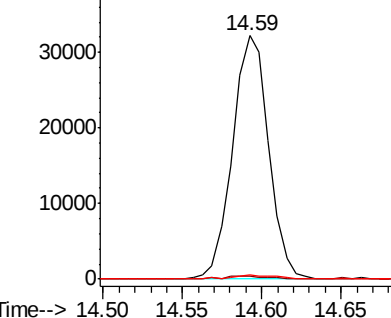
#51
 2,6-Dinitrotoluene
 Concen: 8.499 ng
 RT: 14.59 min Scan# 1958
 Delta R.T. 0.43 min
 Lab File: BG043917.D
 Acq: 4 Jan 2020 11:35

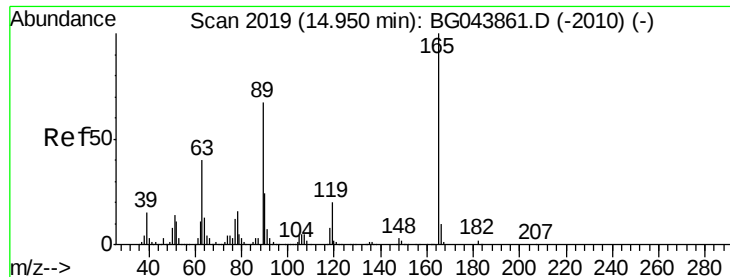
Tgt Ion:165 Resp: 50910

Ion	Ratio	Lower	Upper
165	100		
63	1.1	43.1	64.7#
89	1.8	43.8	65.6#



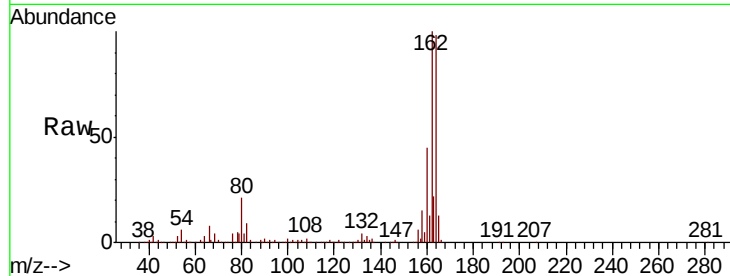
Abundance Ion 165.00 (164.70 to 165.70): E
 40000
 Ion 63.00 (62.70 to 63.70): BG0
 Ion 89.00 (88.70 to 89.70): BG0





#57
 2,4-Dinitrotoluene
 Concen: 6.246 ng
 RT: 14.59 min Scan# 1958
 Delta R.T. -0.36 min
 Lab File: BG043917.D
 Acq: 4 Jan 2020 11:35

Tot Ion:165	Resp:	50910
Ion	Ratio	Lower Upper
165	100	
63	1.1	31.9 47.9#
89	1.8	53.8 80.6#
182	0.0	2.0 3.0#

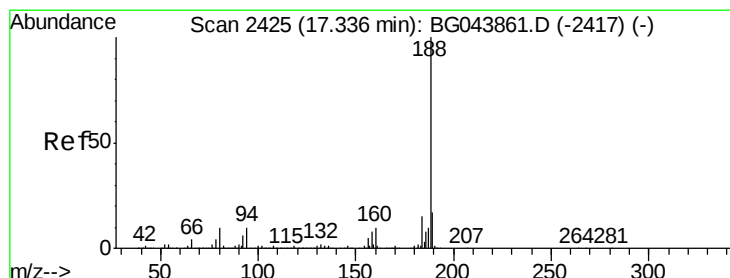
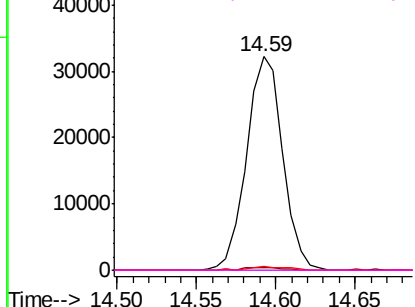
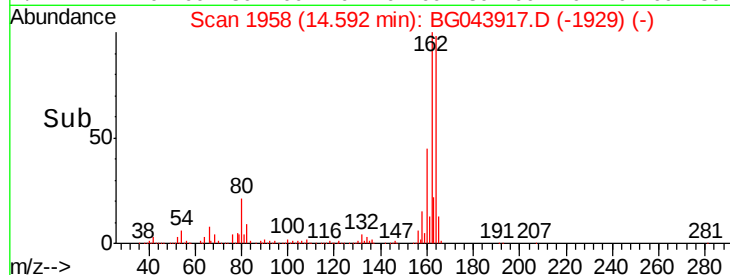


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

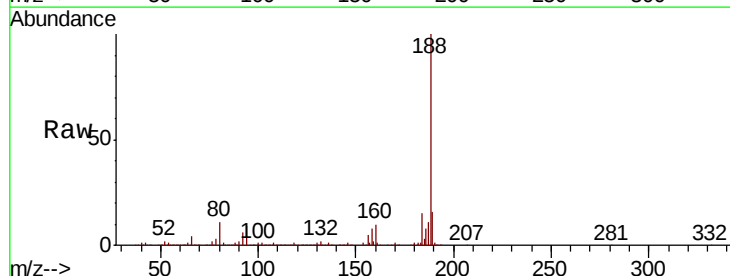
Ion 89.00 (88.70 to 89.70): BGC

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: BG043917.D
 Acq: 4 Jan 2020 11:35

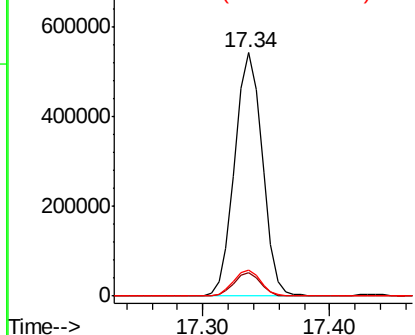
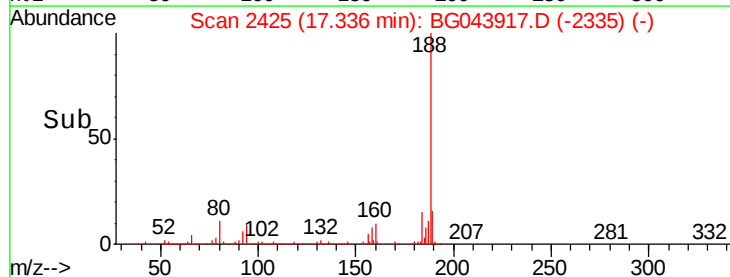
Tgt Ion:188	Resp:	818876
Ion	Ratio	Lower Upper
188	100	
94	9.5	7.9 11.9
80	10.6	8.2 12.4

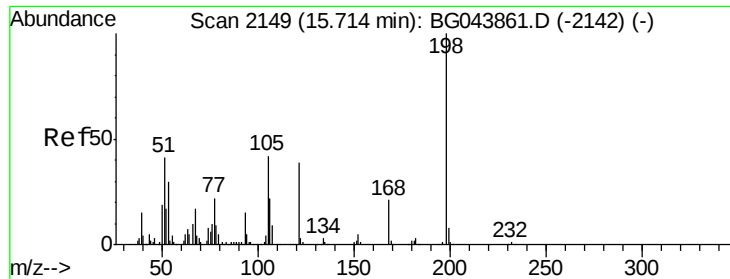


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

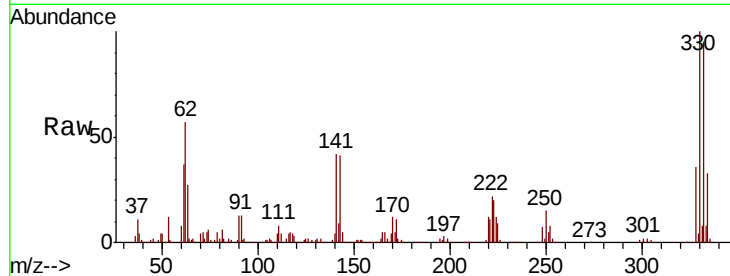
Ion 80.00 (79.70 to 80.70): BGC



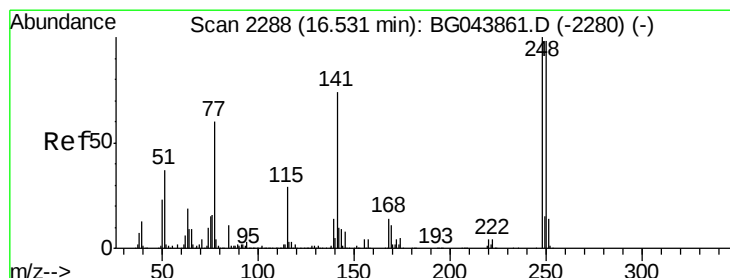
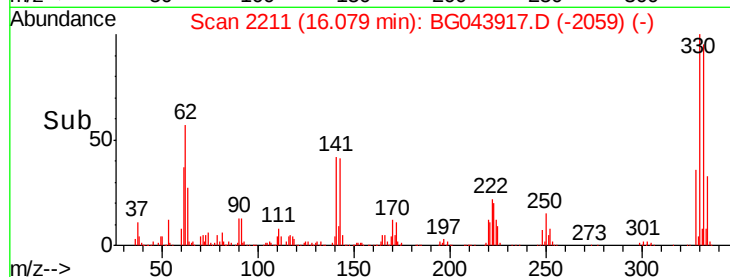
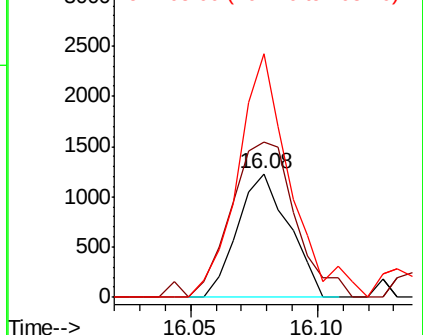


#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.766 ng
 RT: 16.08 min Scan# 2211
 Delta R.T. 0.36 min
 Lab File: BG043917.D
 Acq: 4 Jan 2020 11:35

Tot Ion:198 Resp: 1748
 Ion Ratio Lower Upper
 198 100
 51 125.8 22.5 62.5#
 105 196.8 22.3 62.3#

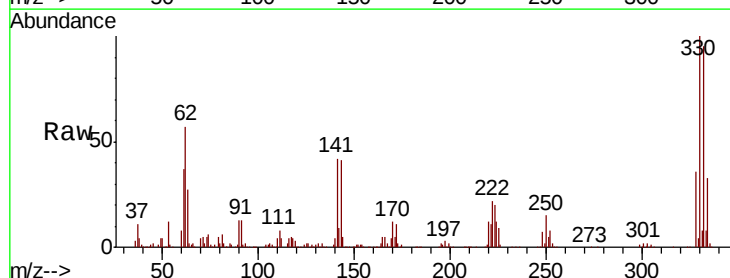


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

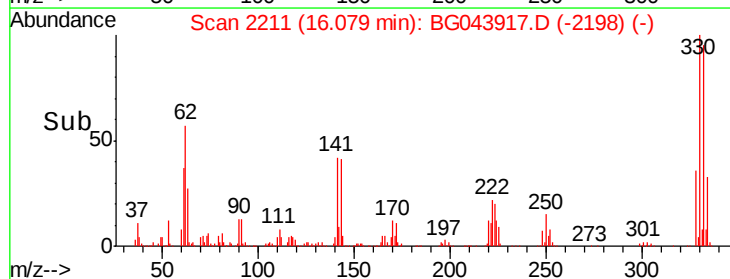
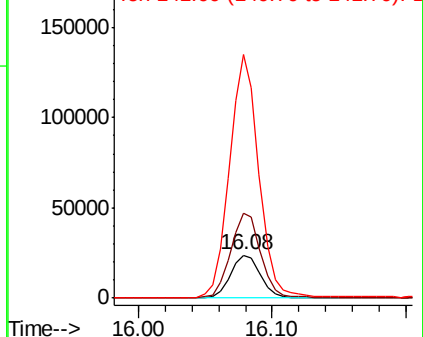


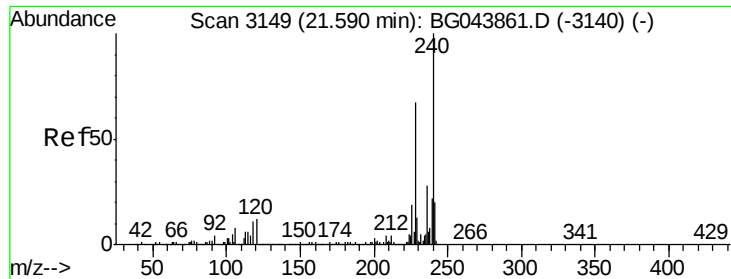
#67
 4-Bromophenyl-phenylether
 Concen: 4.034 ng
 RT: 16.08 min Scan# 2211
 Delta R.T. -0.45 min
 Lab File: BG043917.D
 Acq: 4 Jan 2020 11:35

Tgt Ion:248 Resp: 37156
 Ion Ratio Lower Upper
 248 100
 250 197.8 78.2 117.2#
 141 566.3 59.3 88.9#



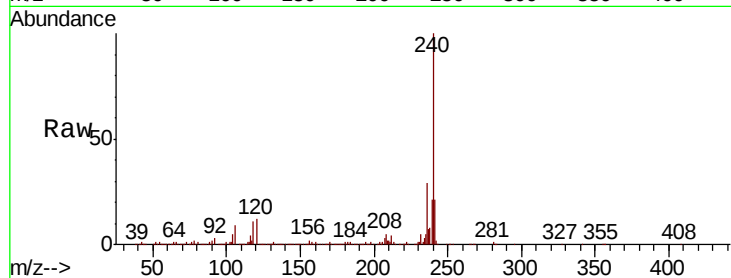
Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.58 min Scan# 3148
 Delta R.T. -0.01 min
 Lab File: BG043917.D
 Acq: 4 Jan 2020 11:35

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.6	14.4
236	28.7	22.2	33.2

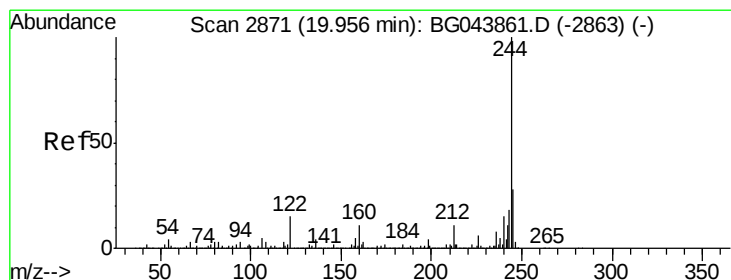
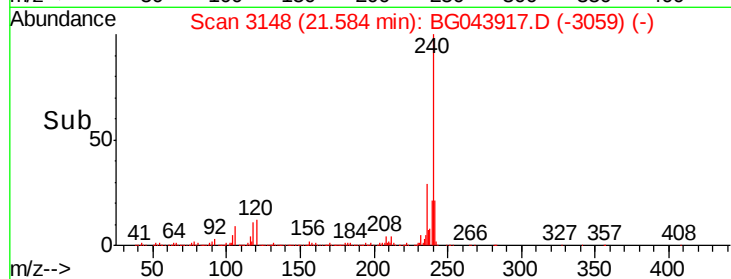
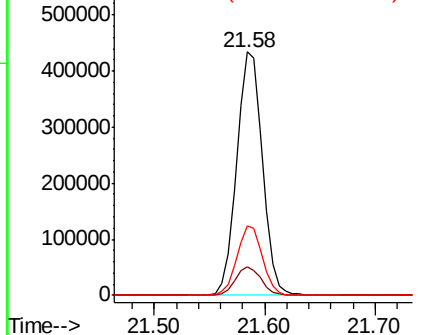


Abundance

Ion 240.00 (239.70 to 240.70): E

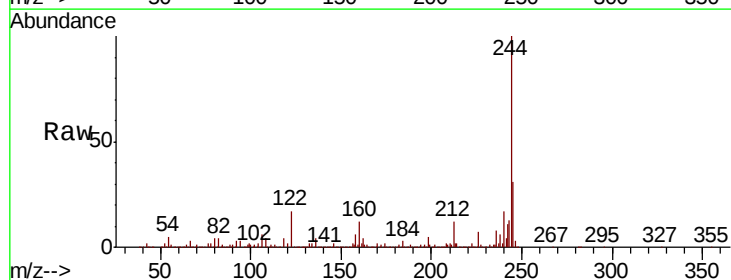
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#79
 Terphenyl-d14
 Concen: 92.318 ng
 RT: 19.95 min Scan# 2870
 Delta R.T. -0.01 min
 Lab File: BG043917.D
 Acq: 4 Jan 2020 11:35

Tgt Ion	Ratio	Lower	Upper
244	100		
212	12.2	8.6	13.0
122	17.1	11.9	17.9

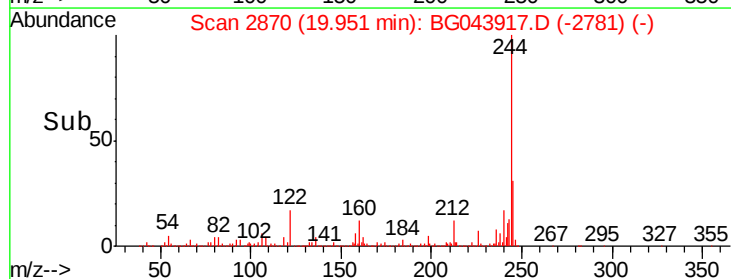
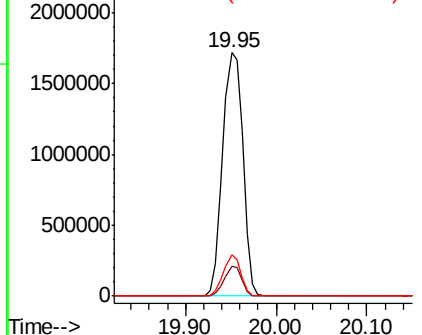


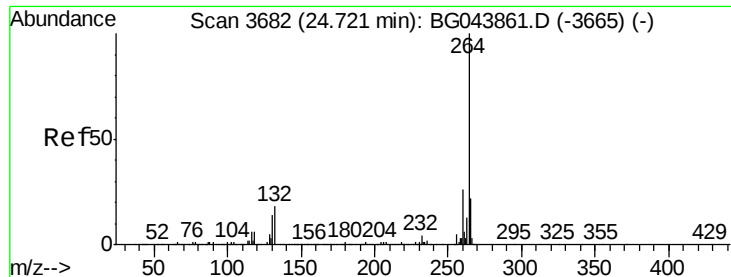
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

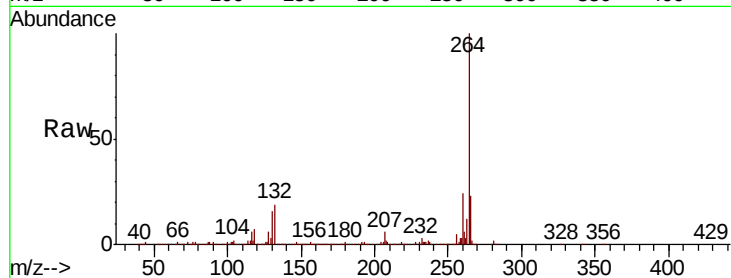
Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.72 min Scan# 3681
Delta R.T. -0.01 min
Lab File: BG043917.D
Acq: 4 Jan 2020 11:35

Tot Ion:	264	Resp:	781324
Ion	Ratio	Lower	Upper
264	100		
260	24.3	20.4	30.6
265	22.7	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

