

Data File : BG043904.D
Acq On : 4 Jan 2020 1:48
Operator : JU
Sample : K6449-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jan 04 04:45:25 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	134671	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	591184	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	401350	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	854198	20.00	ng	0.00
76) Chrysene-d12	21.58	240	714426	20.00	ng	0.00
87) Perylene-d12	24.72	264	795598	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.54	112	756131	103.09	ng	0.00
7) Phenol-d6	7.13	99	739144	72.10	ng	0.00
23) Nitrobenzene-d5	9.12	82	994329	89.98	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	652061	155.25	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	2074968	93.67	ng	0.00
79) Terphenyl-d14	19.96	244	2750235	95.94	ng	0.00

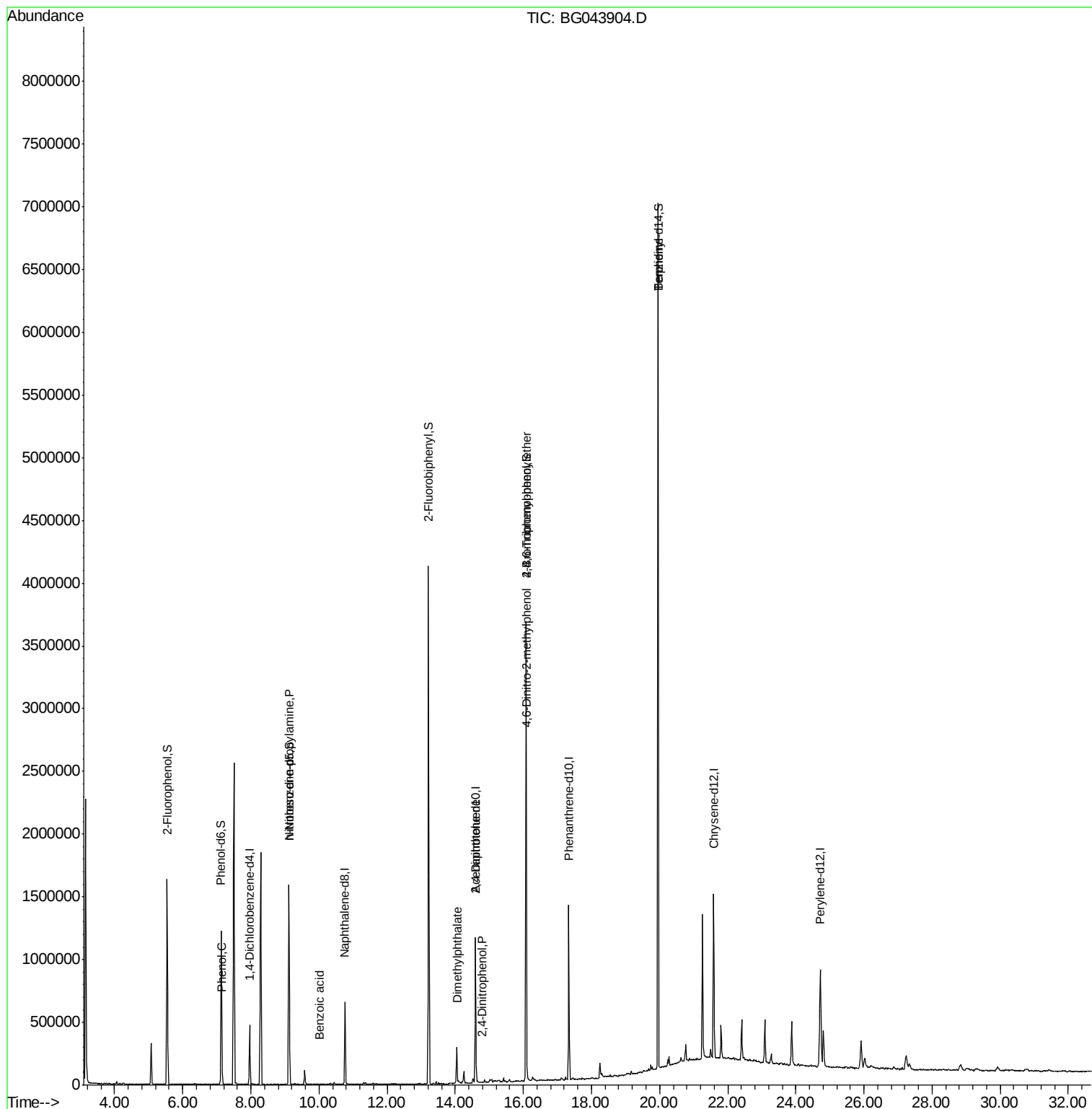
Target Compounds

						Qvalue
10) Phenol	7.15	94	34350	3.252	ng	92
19) n-Nitroso-di-n-propylamine	9.12	70	132580	17.365	ng	# 77
32) Benzoic acid	10.03	122	298	6.303	ng	# 1
50) Dimethylphthalate	14.05	163	192291	6.748	ng	99
54) 2,4-Dinitrophenol	14.78	184	70	5.503	ng	# 20
57) 2,4-Dinitrotoluene	14.59	165	53289	6.080	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.10	198	4281	5.274	ng	87
67) 4-Bromophenyl-phenylether	16.08	248	49090	5.110	ng	# 1
77) Benzidine	19.96	184	63848	3.555	ng	# 96

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

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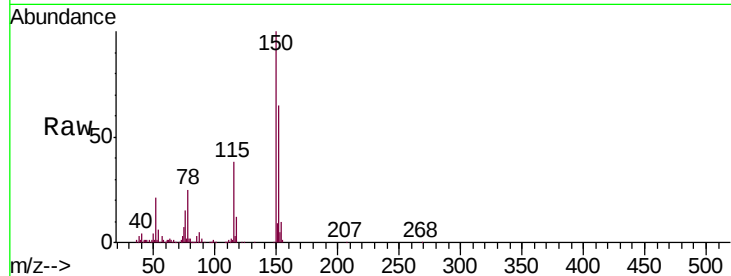




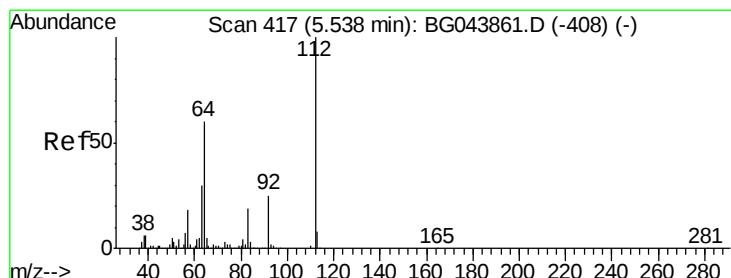
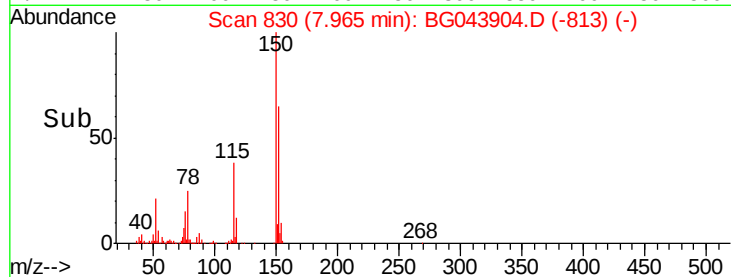
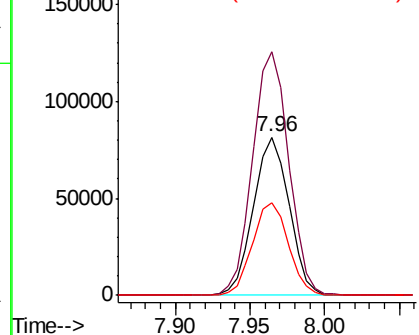
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 830
Delta R.T. 0.00 min
Lab File: BG043904.D
Acq: 4 Jan 2020 1:48

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.1	127.0	190.4
115	58.3	47.8	71.8



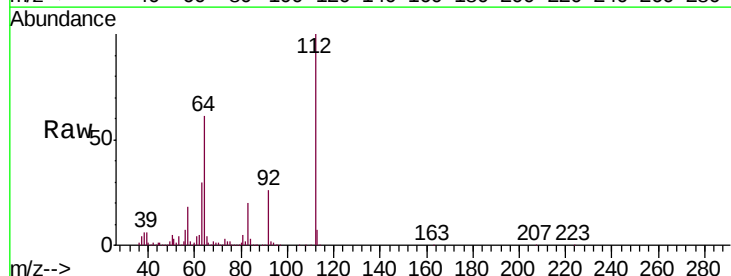
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



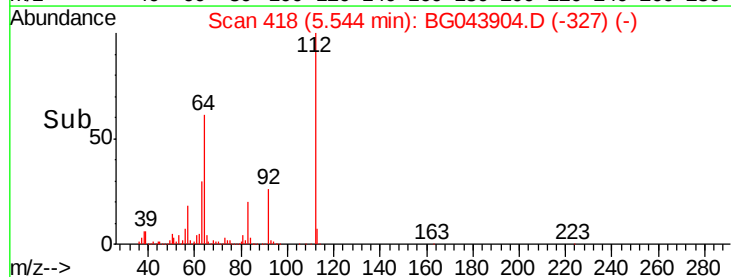
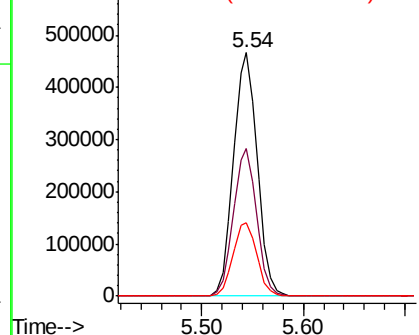
#5

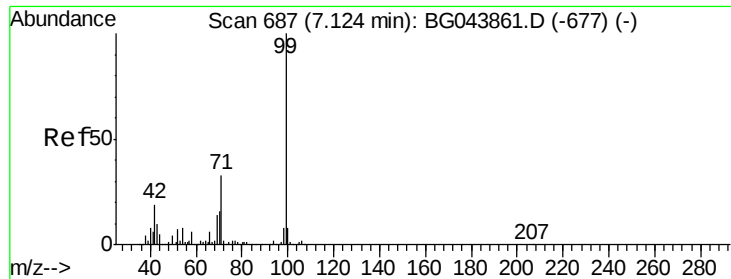
2-Fluorophenol
Concen: 103.092 ng
RT: 5.54 min Scan# 418
Delta R.T. 0.01 min
Lab File: BG043904.D
Acq: 4 Jan 2020 1:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	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: 72.095 ng

RT: 7.13 min Scan# 688

Delta R.T. 0.01 min

Lab File: BG043904.D

Acq: 4 Jan 2020 1:48

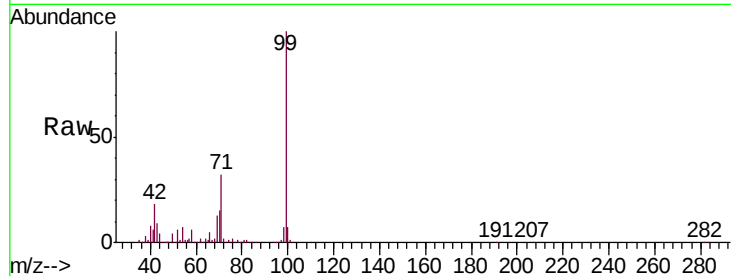
Tgt Ion: 99 Resp: 739144

Ion Ratio Lower Upper

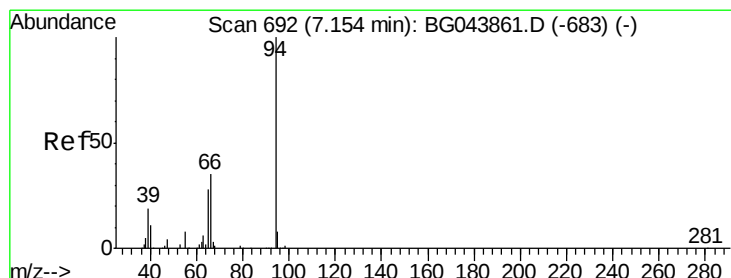
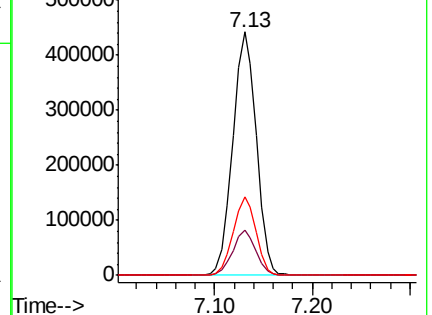
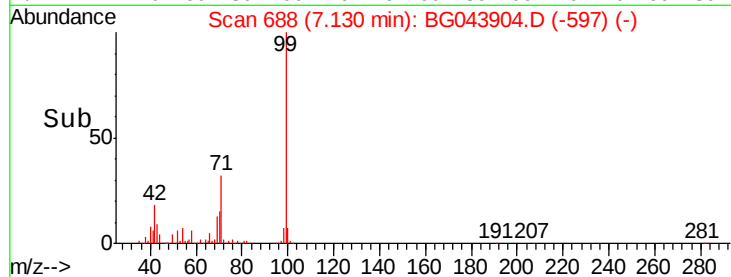
99 100

42 18.4 14.9 22.3

71 32.1 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: 3.252 ng

RT: 7.15 min Scan# 692

Delta R.T. 0.00 min

Lab File: BG043904.D

Acq: 4 Jan 2020 1:48

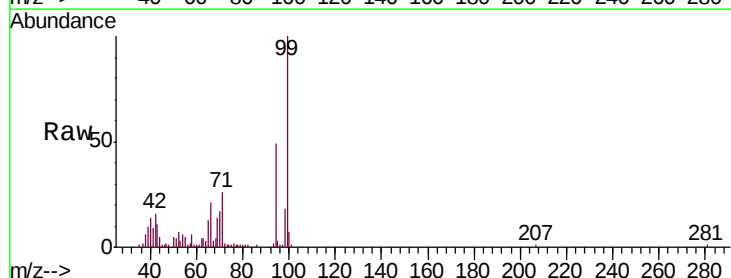
Tgt Ion: 94 Resp: 34350

Ion Ratio Lower Upper

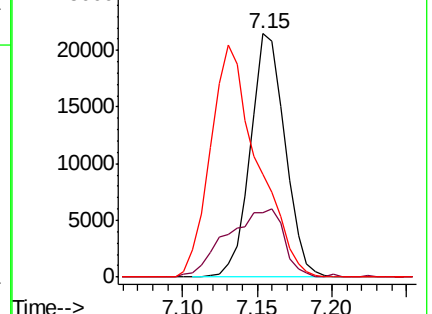
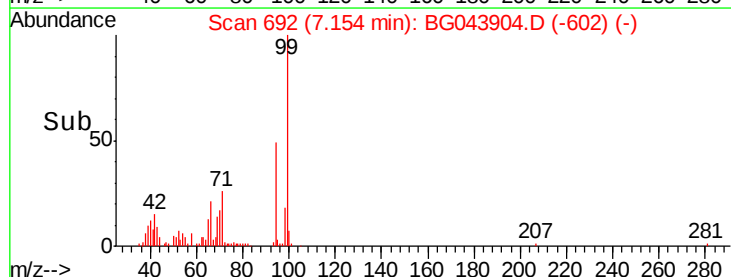
94 100

65 26.4 8.1 48.1

66 42.4 15.6 55.6



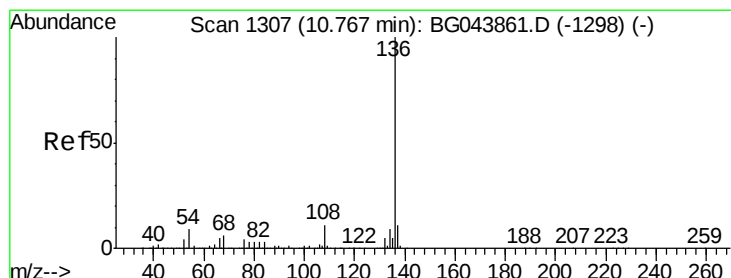
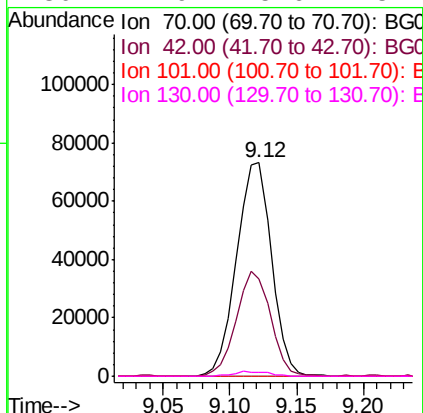
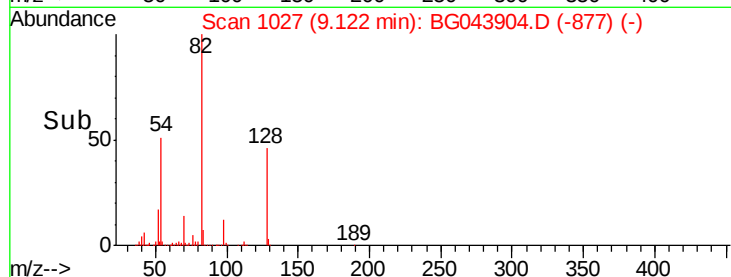
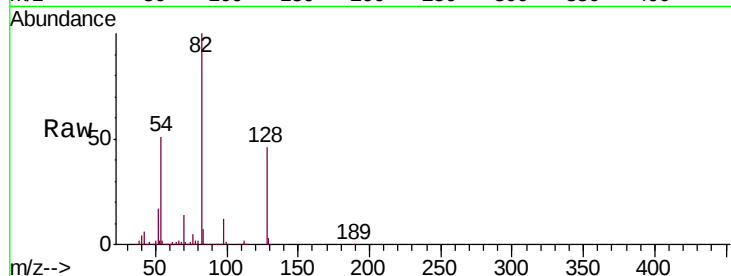
Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





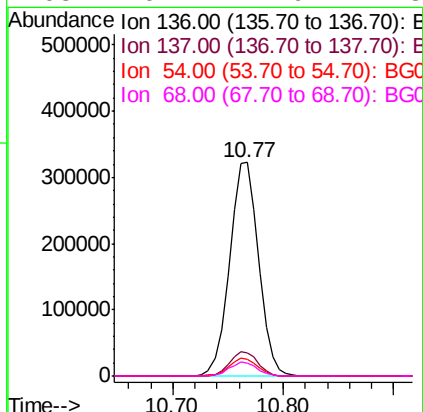
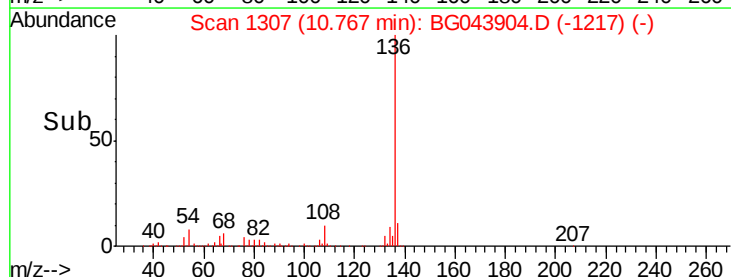
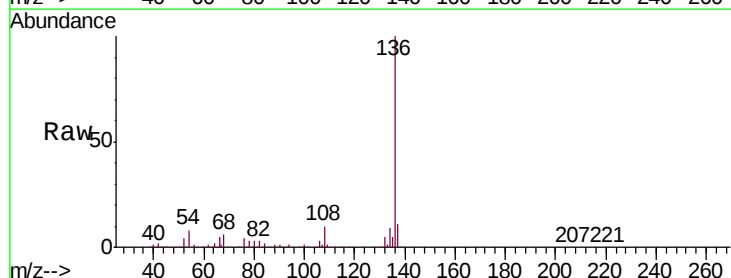
#19
n-Nitroso-di-n-propylamine
Concen: 17.365 ng
RT: 9.12 min Scan# 1027
Delta R.T. 0.35 min
Lab File: BG043904.D
Acq: 4 Jan 2020 1:48

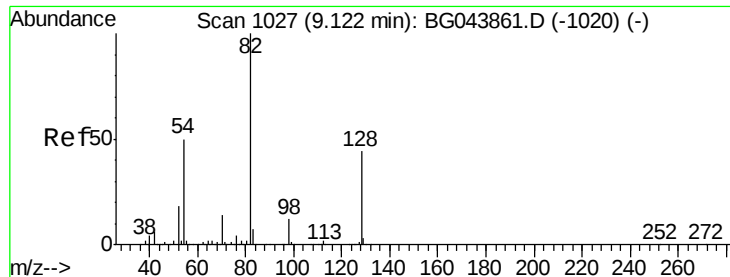
Tgt Ion: 70 Resp: 132580
Ion Ratio Lower Upper
70 100
42 45.8 47.0 70.4#
101 0.0 7.2 10.8#
130 1.9 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.77 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BG043904.D
Acq: 4 Jan 2020 1:48

Tgt Ion: 136 Resp: 591184
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.0 7.0 10.4
68 6.2 4.9 7.3





#23

Nitrobenzene-d5

Concen: 89.976 ng

RT: 9.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BG043904.D

Acq: 4 Jan 2020 1:48

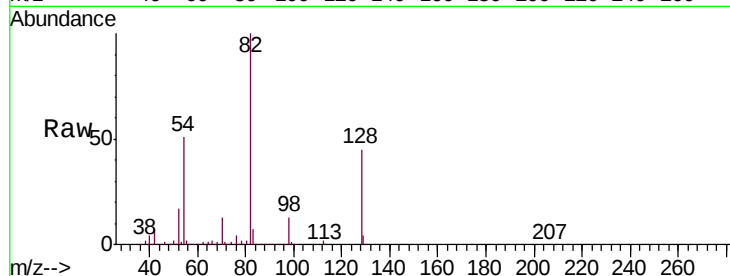
Tgt Ion: 82 Resp: 994329

Ion Ratio Lower Upper

82 100

128 45.1 35.1 52.7

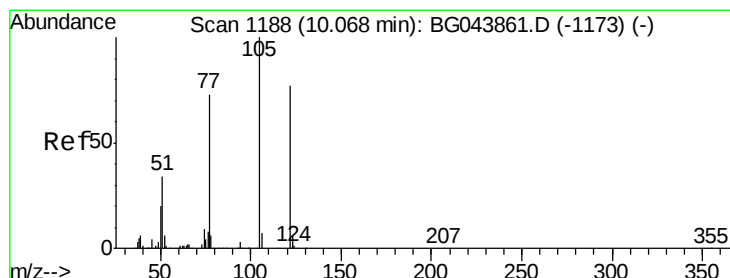
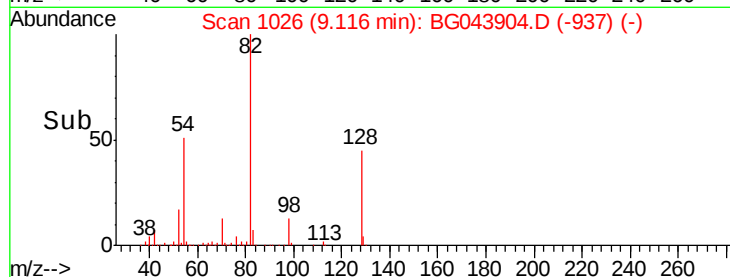
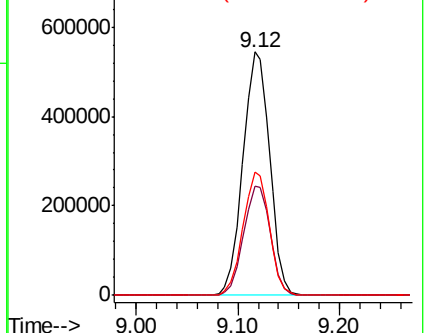
54 50.5 40.1 60.1



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: 6.303 ng

RT: 10.03 min Scan# 1181

Delta R.T. -0.04 min

Lab File: BG043904.D

Acq: 4 Jan 2020 1:48

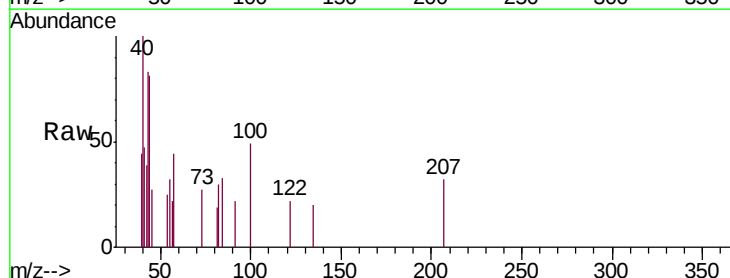
Tgt Ion: 122 Resp: 298

Ion Ratio Lower Upper

122 100

105 0.0 106.4 146.4#

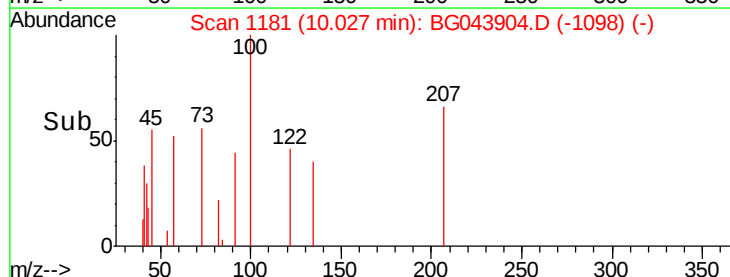
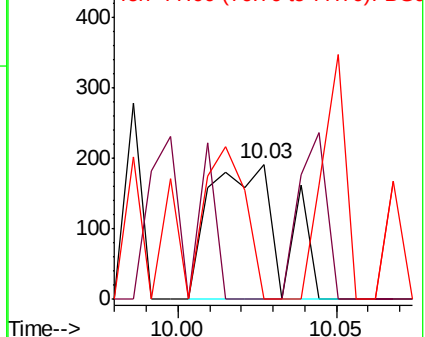
77 0.0 74.6 114.6#

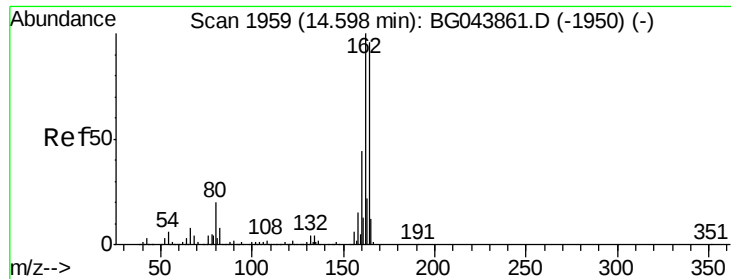


Abundance Ion 122.00 (121.70 to 122.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

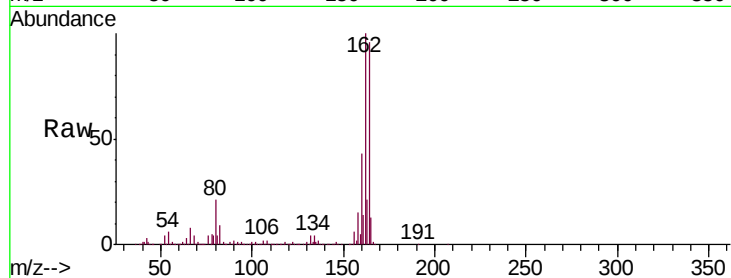
Ion 77.00 (76.70 to 77.70): BGC



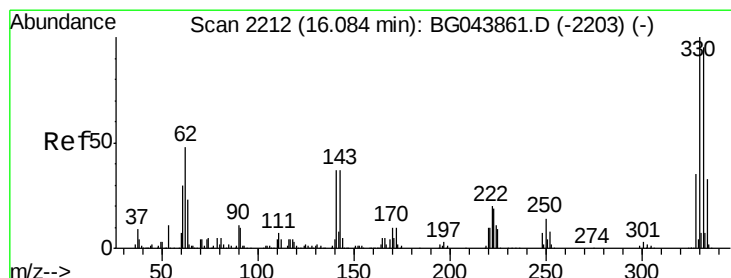
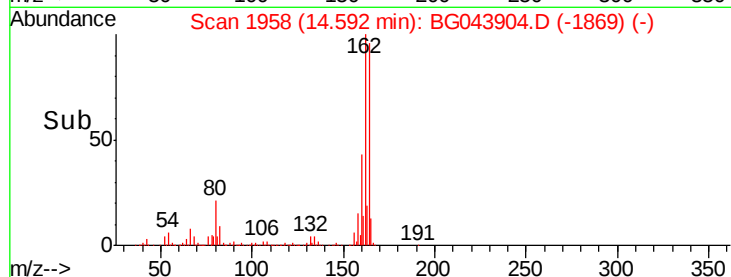
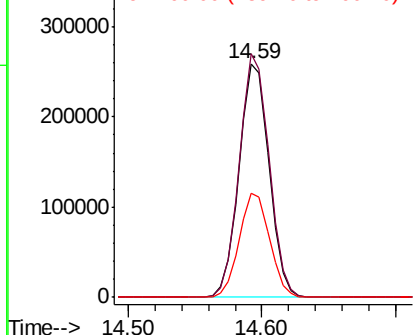


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BG043904.D
Acq: 4 Jan 2020 1:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	83.0	124.4
160	44.3	36.1	54.1

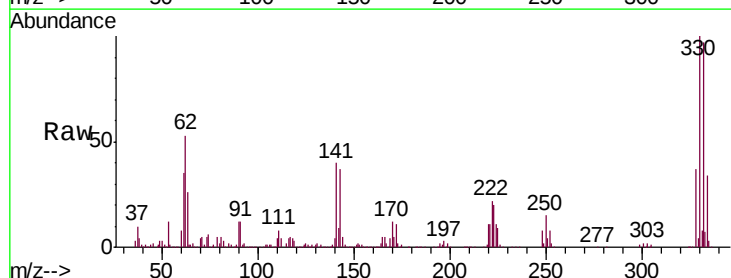


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

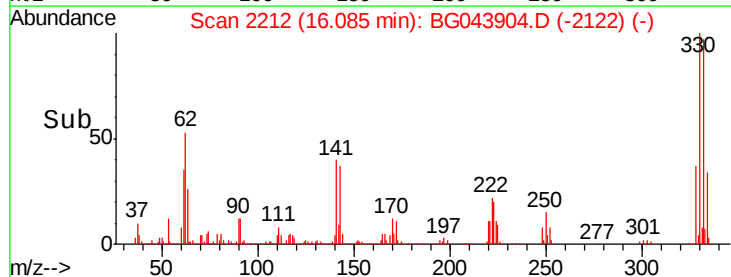
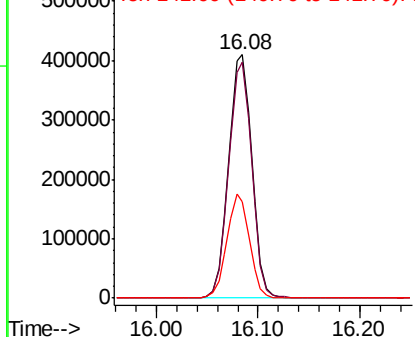


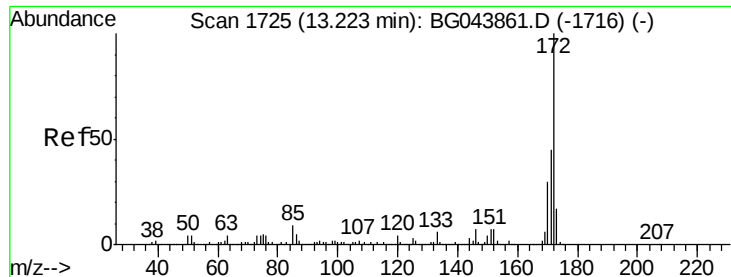
#42
2,4,6-Tribromophenol
Concen: 155.251 ng
RT: 16.08 min Scan# 2212
Delta R.T. 0.00 min
Lab File: BG043904.D
Acq: 4 Jan 2020 1:48

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.2	115.8
141	41.6	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

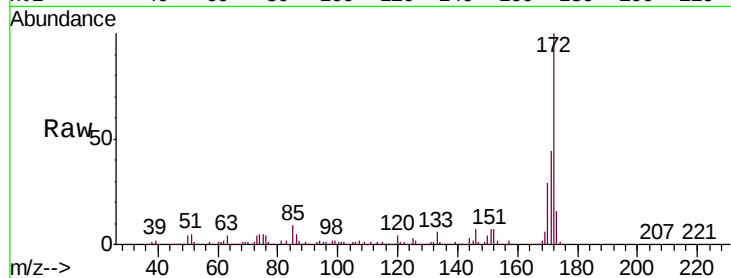




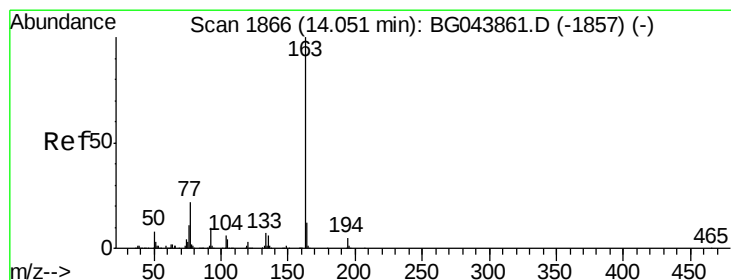
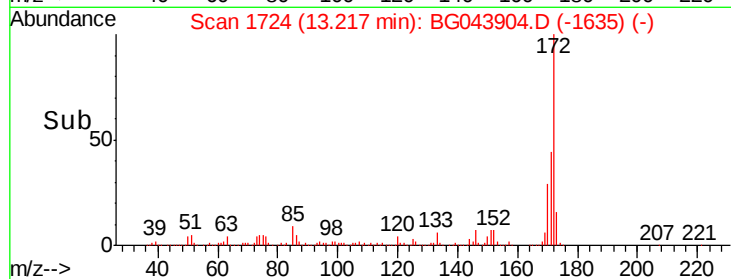
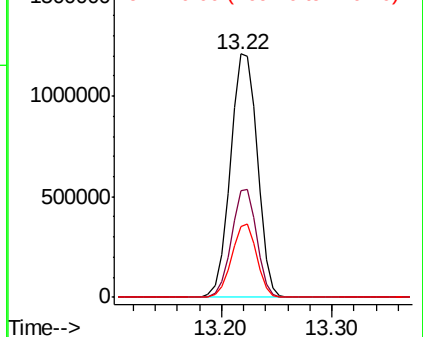
#45
 2-Fluorobiphenyl
 Concen: 93.668 ng
 RT: 13.22 min Scan# 1724
 Delta R.T. -0.01 min
 Lab File: BG043904.D
 Acq: 4 Jan 2020 1:48

Tgt Ion:172 Resp: 2074968

Ion	Ratio	Lower	Upper
172	100		
171	43.6	35.8	53.8
170	29.3	24.2	36.4



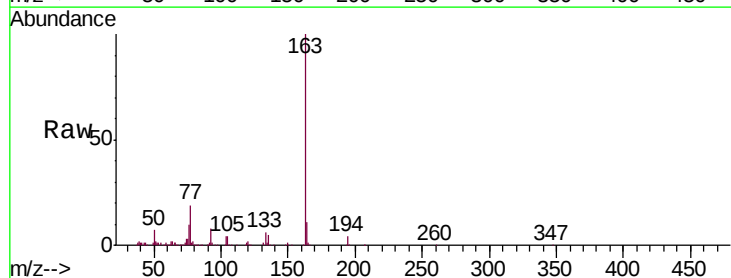
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



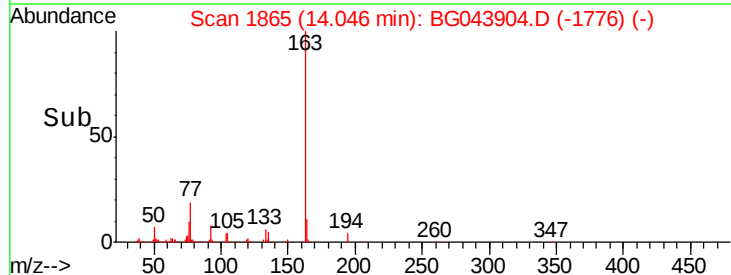
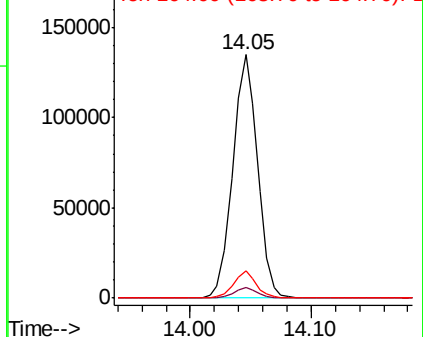
#50
 Dimethylphthalate
 Concen: 6.748 ng
 RT: 14.05 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: BG043904.D
 Acq: 4 Jan 2020 1:48

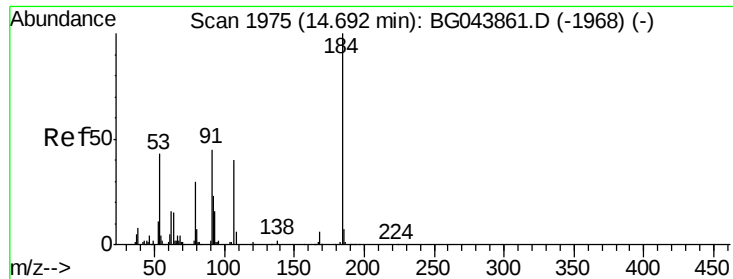
Tgt Ion:163 Resp: 192291

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.7	5.5
164	11.0	9.3	13.9



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#54

2,4-Dinitrophenol

Concen: 5.503 ng

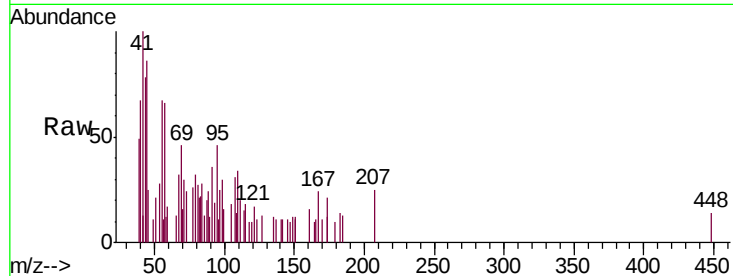
RT: 14.78 min Scan# 1990

Delta R.T. 0.09 min

Lab File: BG043904.D

Acq: 4 Jan 2020 1:48

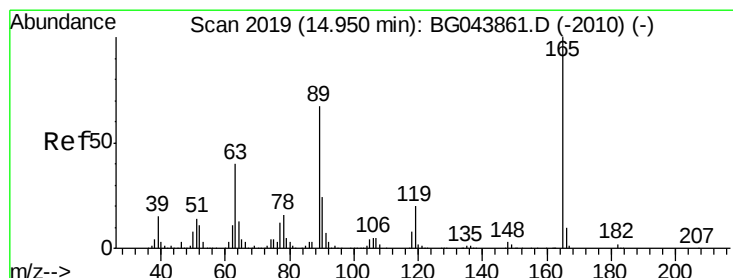
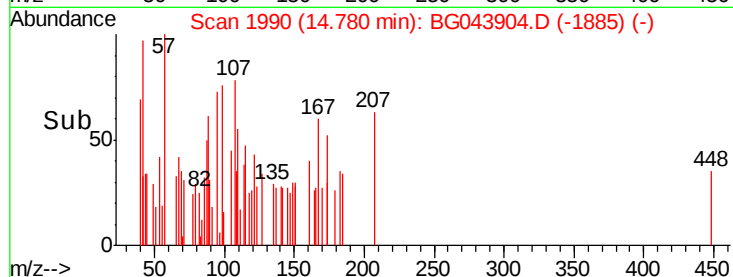
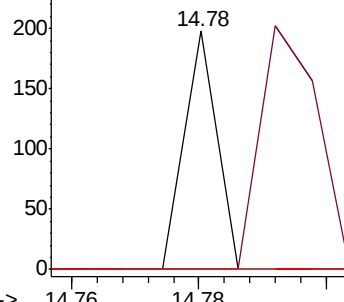
Tgt Ion:	184	Resp:	70
Ion	Ratio	Lower	Upper
184	100		
63	0.0	46.6	70.0#
154	0.0	50.2	75.4#



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: 6.080 ng

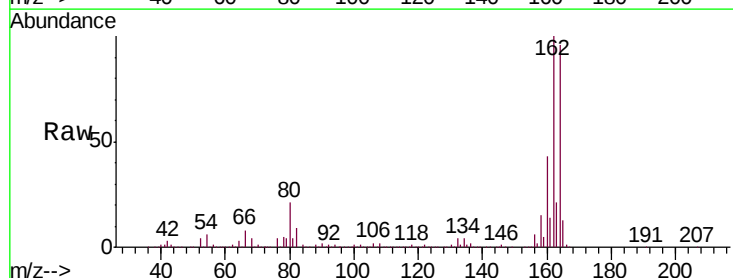
RT: 14.59 min Scan# 1958

Delta R.T. -0.36 min

Lab File: BG043904.D

Acq: 4 Jan 2020 1:48

Tgt Ion:	165	Resp:	53289
Ion	Ratio	Lower	Upper
165	100		
63	1.2	31.9	47.9#
89	1.2	53.8	80.6#
182	0.0	2.0	3.0#

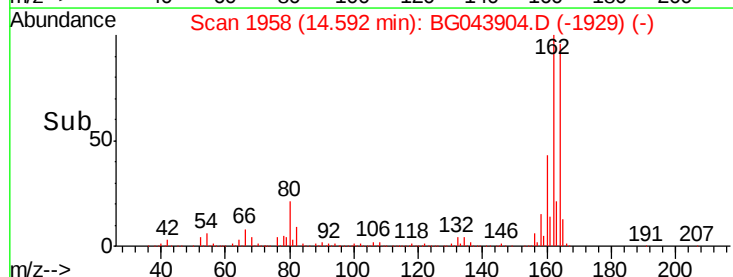
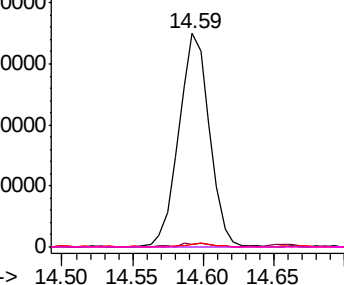


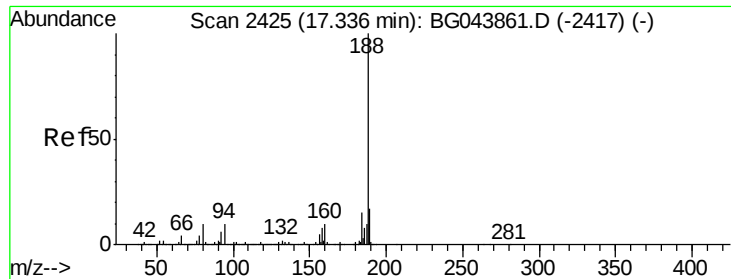
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

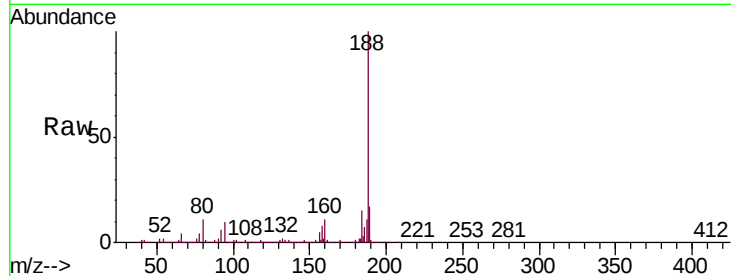
Ion 182.00 (181.70 to 182.70): E



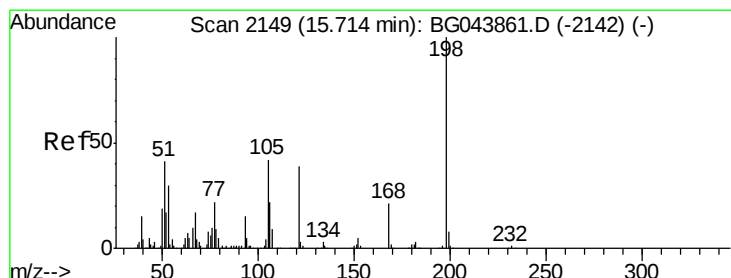
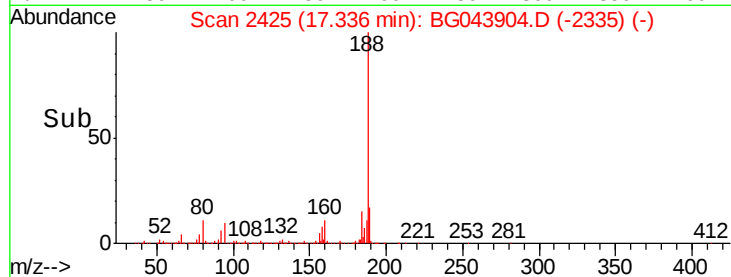
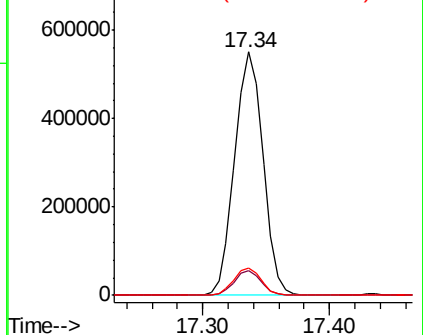


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.34 min Scan# 2425
 Delta R.T. 0.00 min
 Lab File: BG043904.D
 Acq: 4 Jan 2020 1:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	7.9	11.9
80	11.4	8.2	12.4

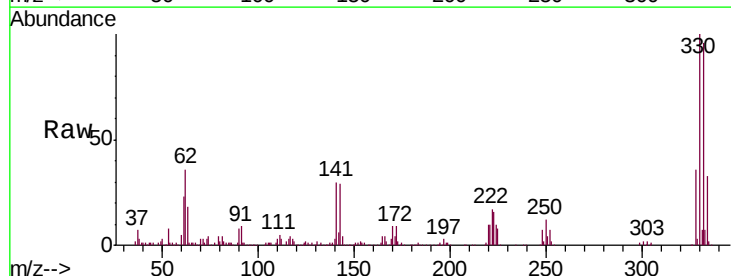


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

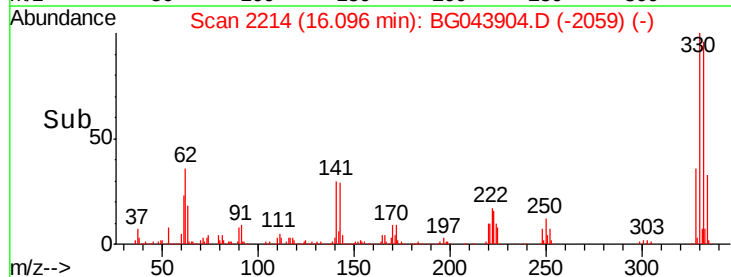
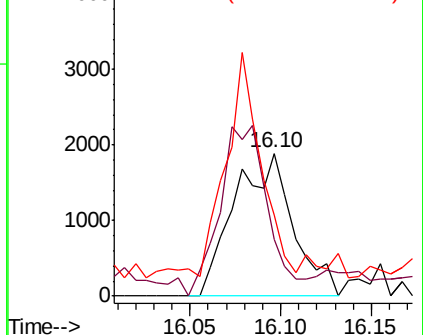


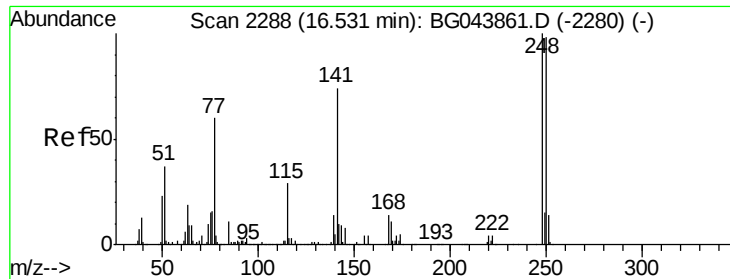
#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.274 ng
 RT: 16.10 min Scan# 2214
 Delta R.T. 0.38 min
 Lab File: BG043904.D
 Acq: 4 Jan 2020 1:48

Tgt Ion	Ratio	Lower	Upper
198	100		
51	39.7	22.5	62.5
105	56.4	22.3	62.3



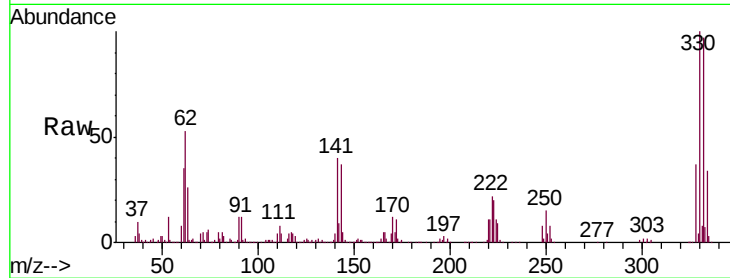
Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E



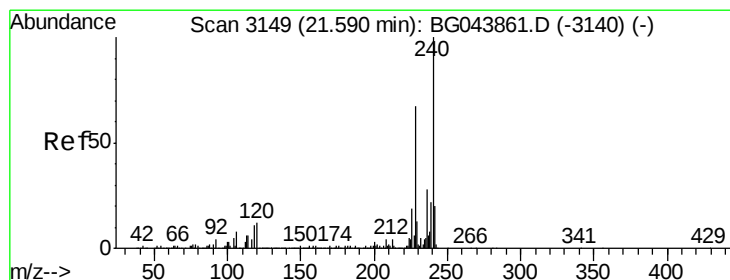
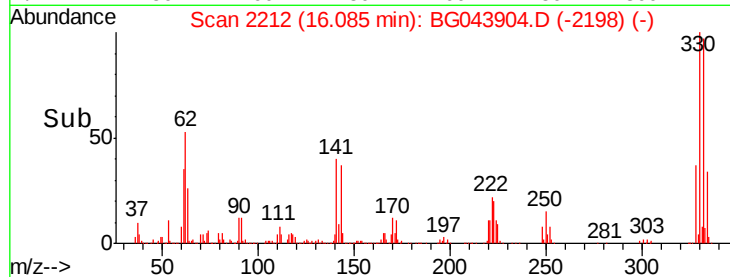
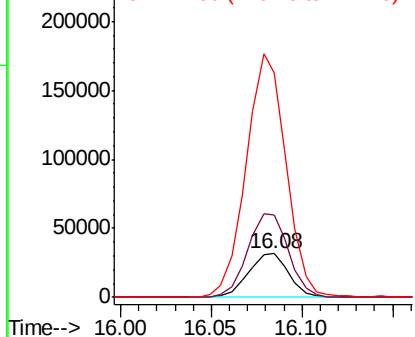


#67
 4-Bromophenyl-phenylether
 Concen: 5.110 ng
 RT: 16.08 min Scan# 2212
 Delta R.T. -0.45 min
 Lab File: BG043904.D
 Acq: 4 Jan 2020 1:48

Tgt Ion: 248 Resp: 49090
 Ion Ratio Lower Upper
 248 100
 250 189.4 78.2 117.2#
 141 515.5 59.3 88.9#

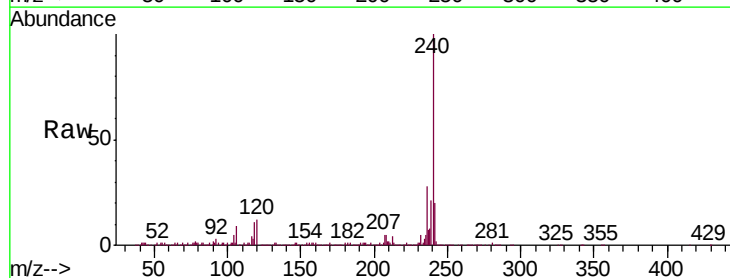


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

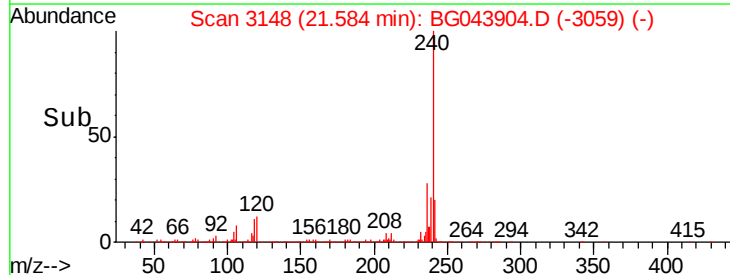
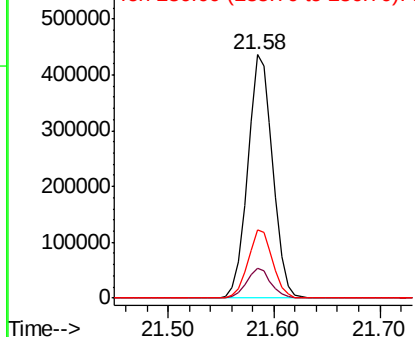


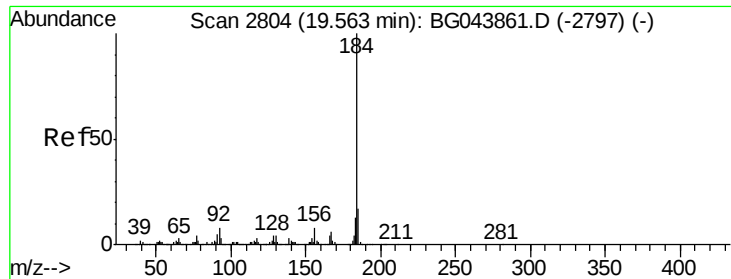
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.58 min Scan# 3148
 Delta R.T. -0.01 min
 Lab File: BG043904.D
 Acq: 4 Jan 2020 1:48

Tgt Ion: 240 Resp: 714426
 Ion Ratio Lower Upper
 240 100
 120 12.4 9.6 14.4
 236 28.1 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: 3.555 ng

RT: 19.96 min Scan# 2871

Delta R.T. 0.39 min

Lab File: BG043904.D

Acq: 4 Jan 2020 1:48

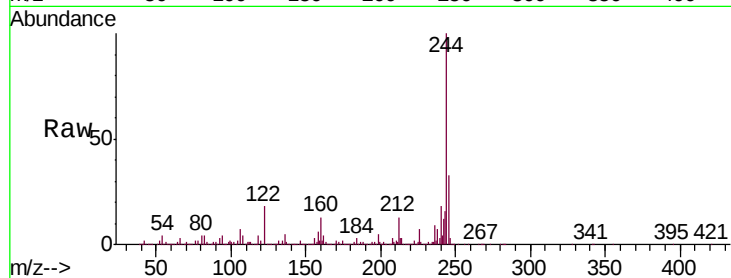
Tgt Ion:184 Resp: 63848

Ion Ratio Lower Upper

184 100

185 16.5 13.4 20.0

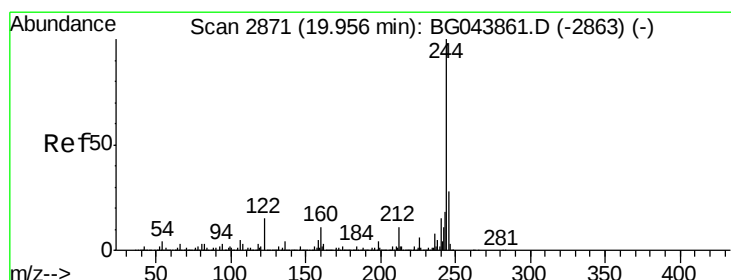
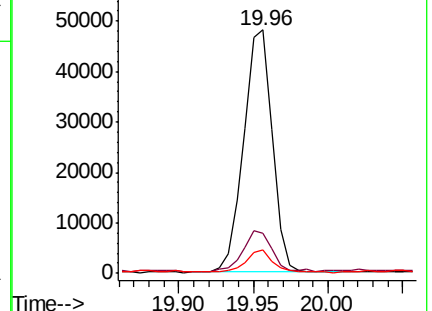
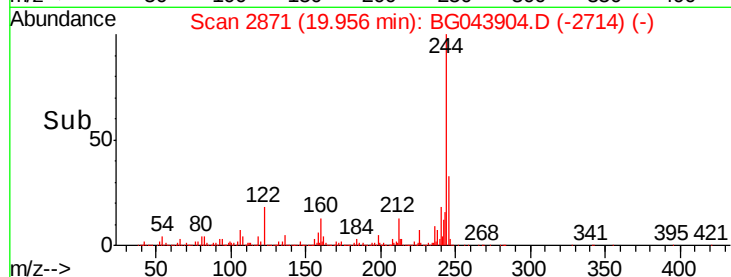
183 9.7 10.6 15.8#



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: 95.943 ng

RT: 19.96 min Scan# 2871

Delta R.T. 0.00 min

Lab File: BG043904.D

Acq: 4 Jan 2020 1:48

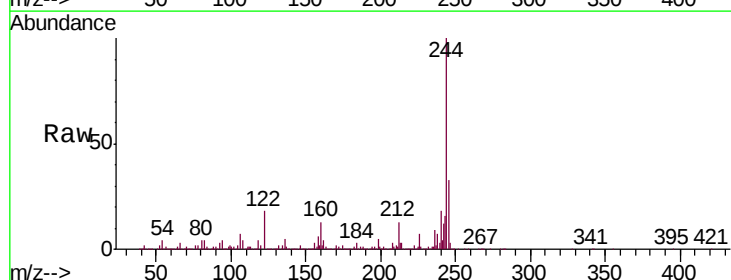
Tgt Ion:244 Resp: 2750235

Ion Ratio Lower Upper

244 100

212 13.1 8.6 13.0#

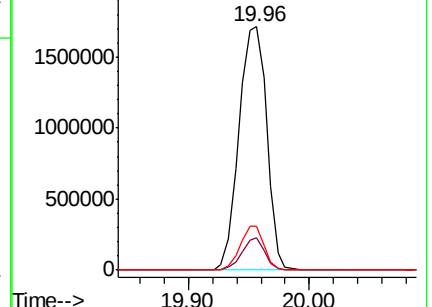
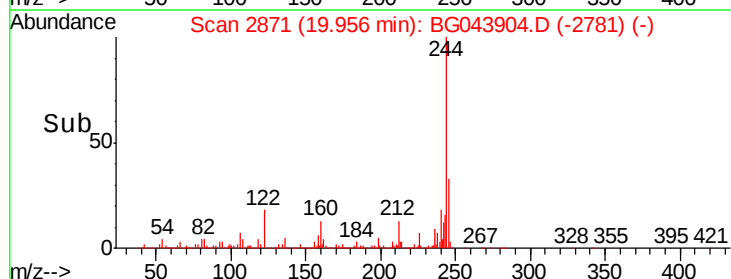
122 18.1 11.9 17.9#

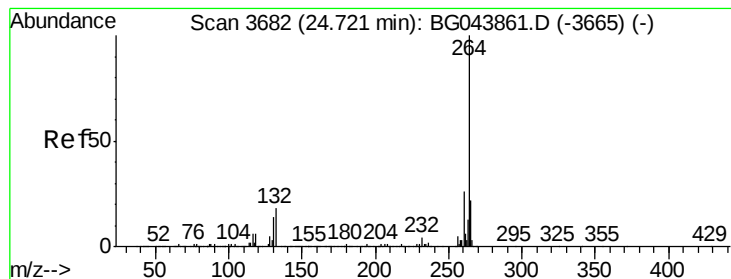


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 24.72 min Scan# 3681

Delta R.T. -0.01 min

Lab File: BG043904.D

Acq: 4 Jan 2020 1:48

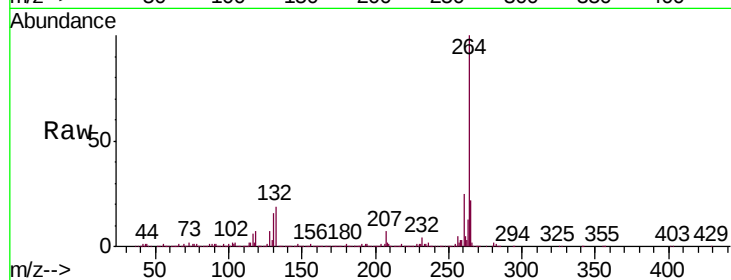
Tgt Ion: 264 Resp: 795598

Ion Ratio Lower Upper

264 100

260 25.1 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

