

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010320\
 Data File : BG043919.D
 Acq On : 4 Jan 2020 12:53
 Operator : JU
 Sample : L1009-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jan 06 04:31:33 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	130788	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	547734	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	371145	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	812203	20.00	ng	0.00
76) Chrysene-d12	21.59	240	705445	20.00	ng	0.00
87) Perylene-d12	24.71	264	761419	20.00	ng	0.00

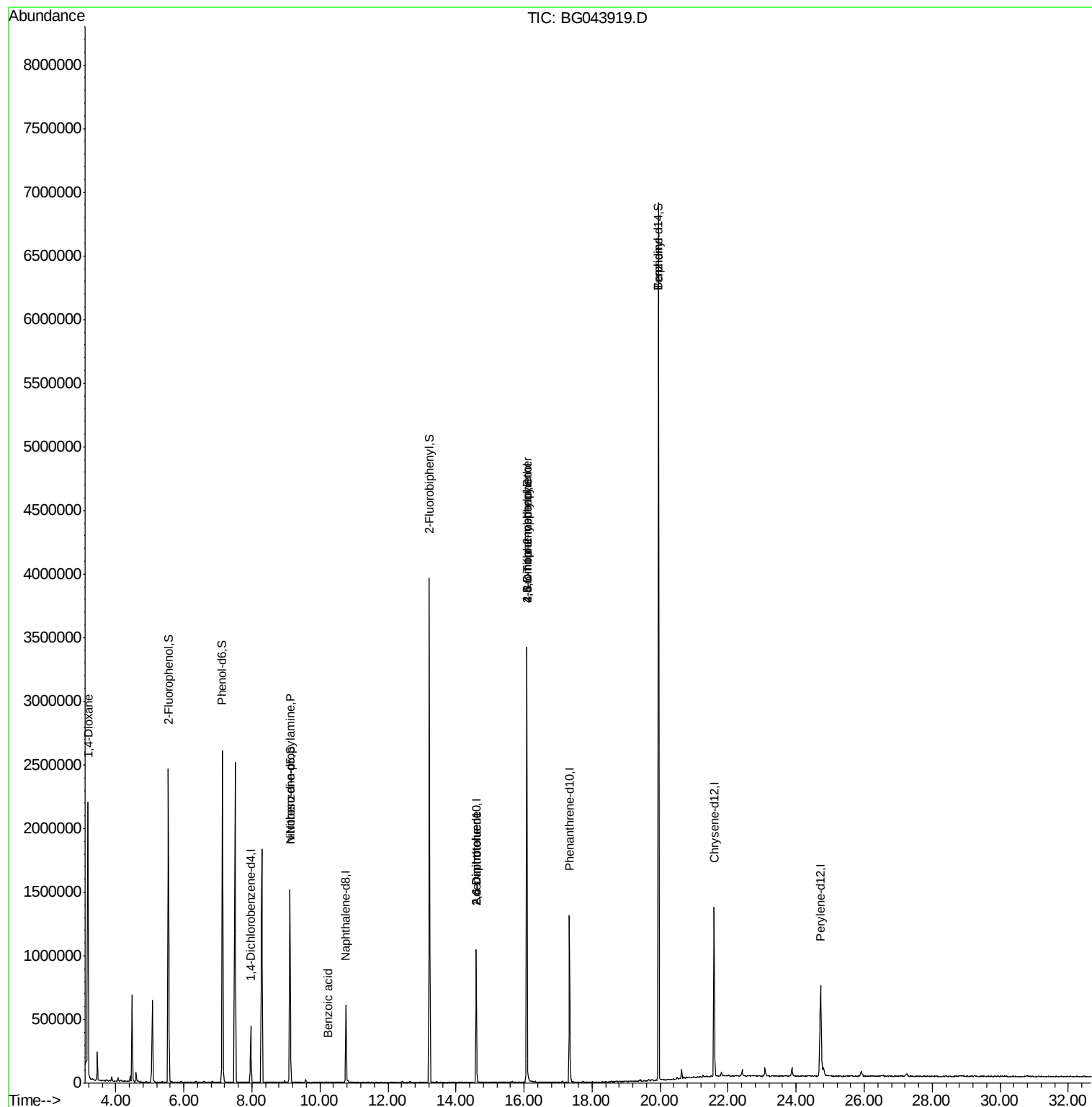
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	1118394	157.01	ng	0.00
7) Phenol-d6	7.13	99	1569662	157.65	ng	0.00
23) Nitrobenzene-d5	9.12	82	937015	91.52	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	595334	153.28	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1978514	96.58	ng	0.00
79) Terphenyl-d14	19.95	244	2732375	96.77	ng	0.00

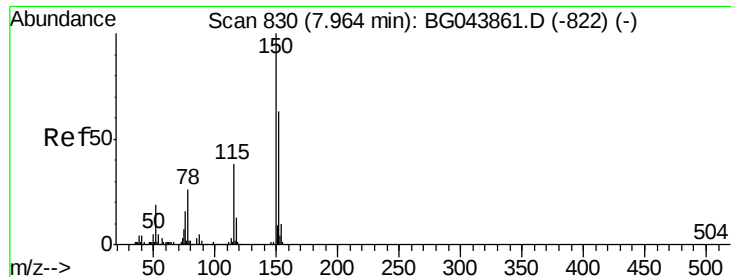
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.17	88	26368	8.490	ng	# 1
19) n-Nitroso-di-n-propylamine	9.12	70	125550	16.932	ng	# 79
32) Benzoic acid	10.25	122	66	6.272	ng	# 1
51) 2,6-Dinitrotoluene	14.59	165	50720	8.515	ng	# 26
57) 2,4-Dinitrotoluene	14.59	165	50720	6.258	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.08	198	2399	4.911	ng	# 1
67) 4-Bromophenyl-phenylether	16.08	248	43145	4.723	ng	# 1
77) Benzidine	19.95	184	61708	3.480	ng	# 90

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010320\
Data File : BG043919.D
Acq On : 4 Jan 2020 12:53
Operator : JU
Sample : L1009-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jan 06 04:31:33 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

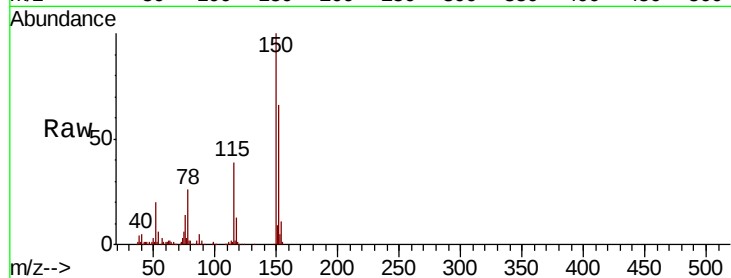




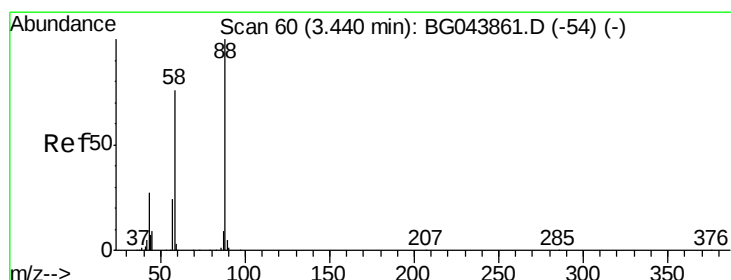
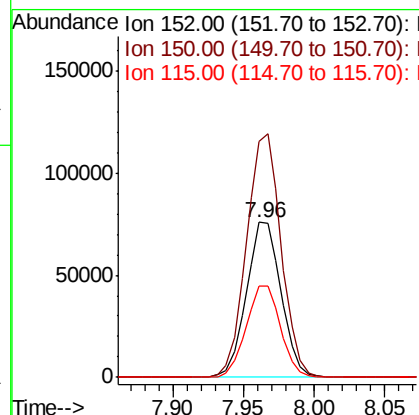
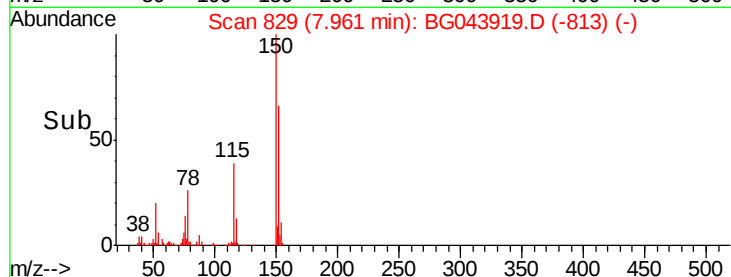
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 829
Delta R.T. -0.00 min
Lab File: BG043919.D
Acq: 4 Jan 2020 12:53

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	127.0	190.4
115	58.9	47.8	71.8



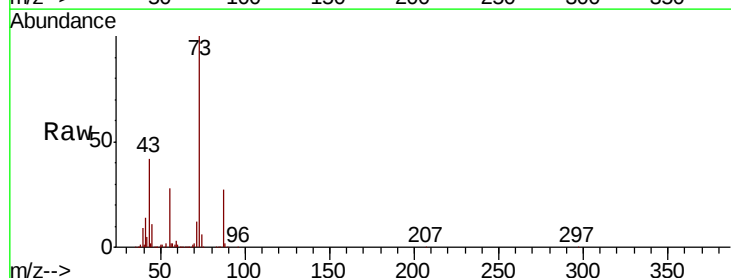
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



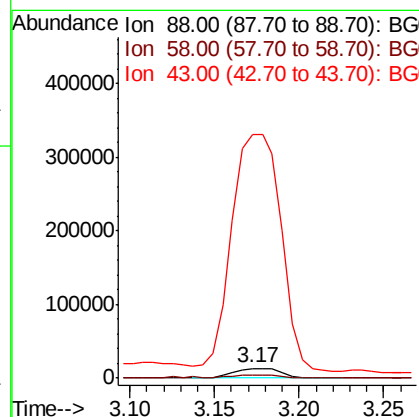
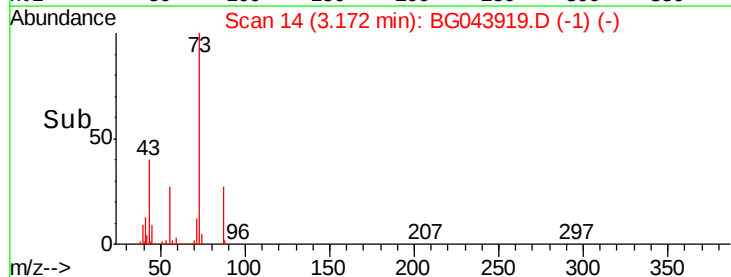
#2

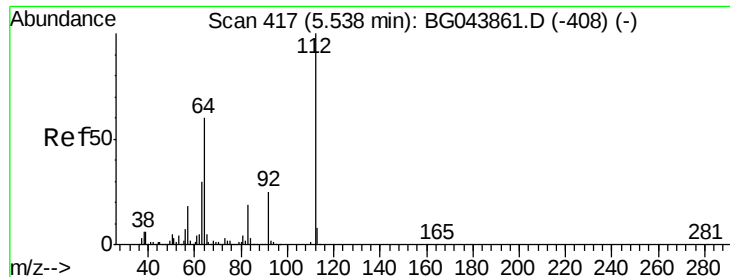
1,4-Dioxane
Concen: 8.490 ng
RT: 3.17 min Scan# 14
Delta R.T. -0.27 min
Lab File: BG043919.D
Acq: 4 Jan 2020 12:53

Tgt Ion	Ratio	Lower	Upper
88	100		
58	28.5	59.8	89.8#
43	2464.6	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: 157.010 ng

RT: 5.55 min Scan# 418

Delta R.T. 0.01 min

Lab File: BG043919.D

Acq: 4 Jan 2020 12:53

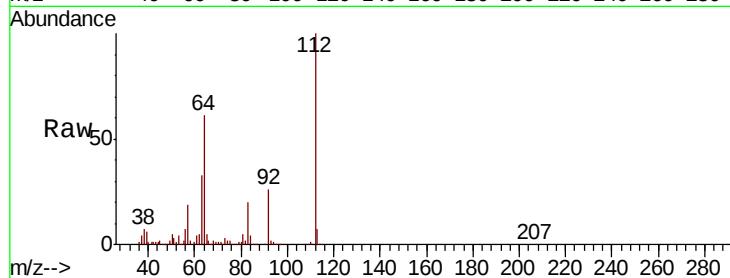
Tot Ion: 112 Resp: 1118394

Ion Ratio Lower Upper

112 100

64 61.3 47.8 71.6

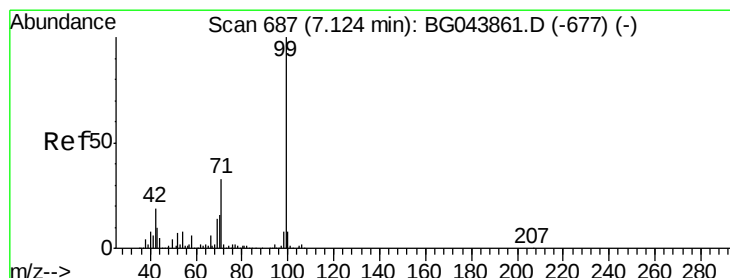
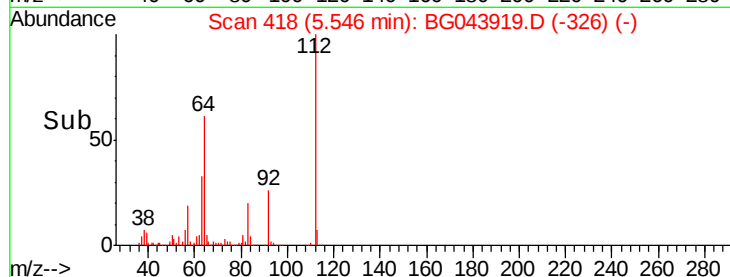
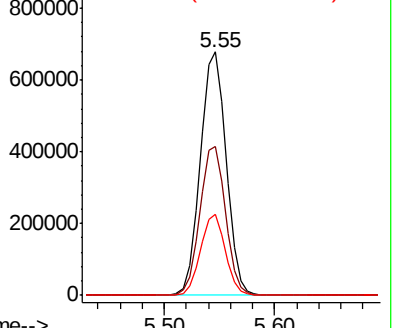
63 33.1 24.3 36.5



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: 157.648 ng

RT: 7.13 min Scan# 688

Delta R.T. 0.01 min

Lab File: BG043919.D

Acq: 4 Jan 2020 12:53

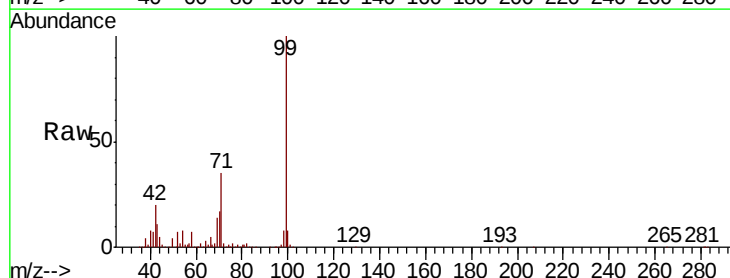
Tgt Ion: 99 Resp: 1569662

Ion Ratio Lower Upper

99 100

42 20.4 14.9 22.3

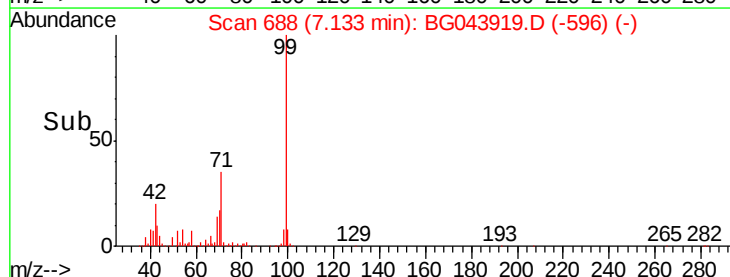
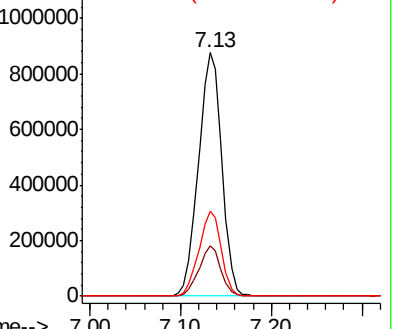
71 35.1 26.4 39.6

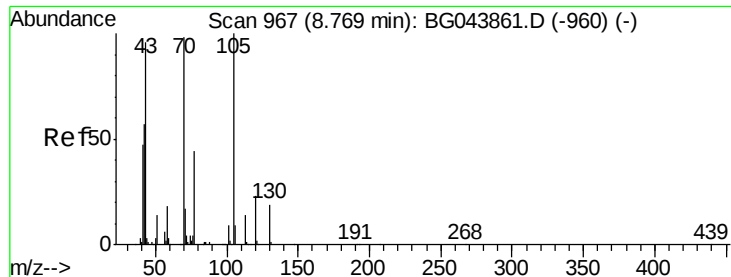


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

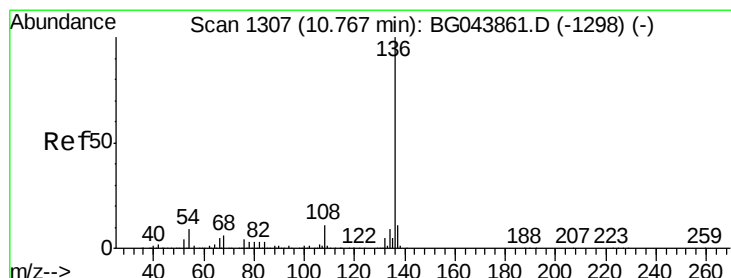
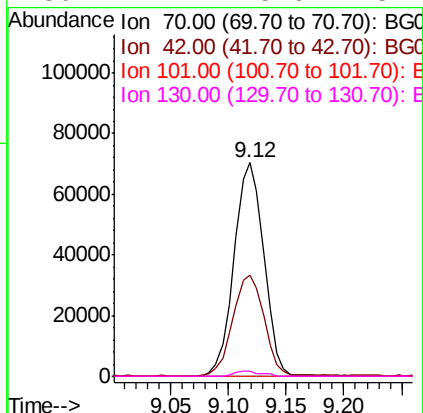
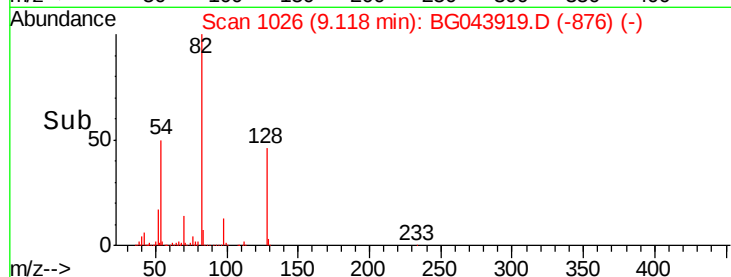
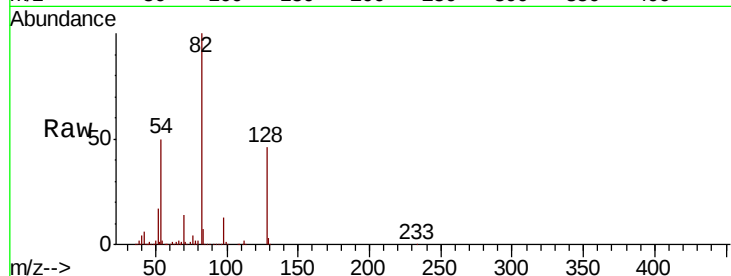
Ion 71.00 (70.70 to 71.70): BGC





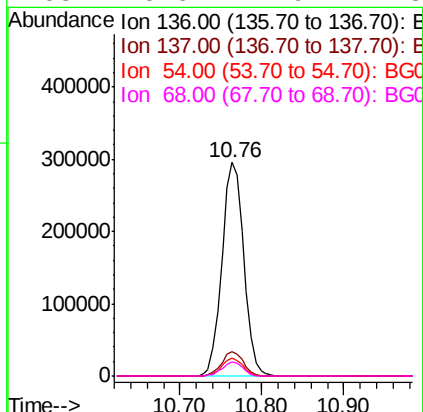
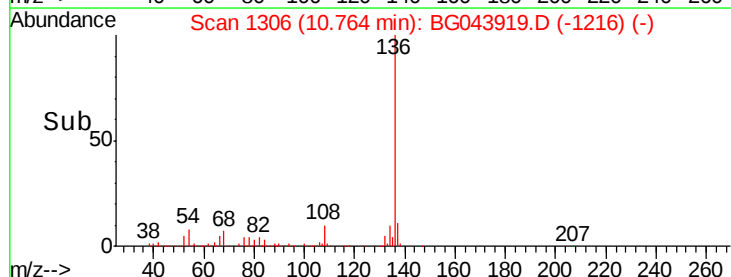
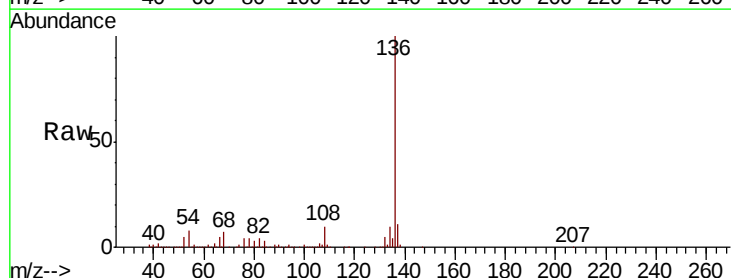
#19
n-Nitroso-di-n-propylamine
Concen: 16.932 ng
RT: 9.12 min Scan# 1026
Delta R.T. 0.35 min
Lab File: BG043919.D
Acq: 4 Jan 2020 12:53

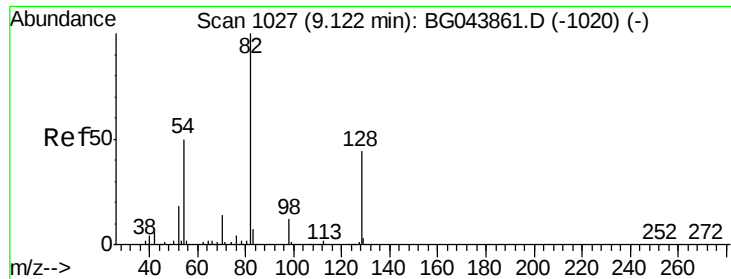
Tot Ion: 70 Resp: 125550
Ion Ratio Lower Upper
70 100
42 47.4 47.0 70.4
101 0.0 7.2 10.8#
130 2.2 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BG043919.D
Acq: 4 Jan 2020 12:53

Tgt Ion: 136 Resp: 547734
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 8.3 7.0 10.4
68 6.6 4.9 7.3





#23

Nitrobenzene-d5

Concen: 91.516 ng

RT: 9.12 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BG043919.D

Acq: 4 Jan 2020 12:53

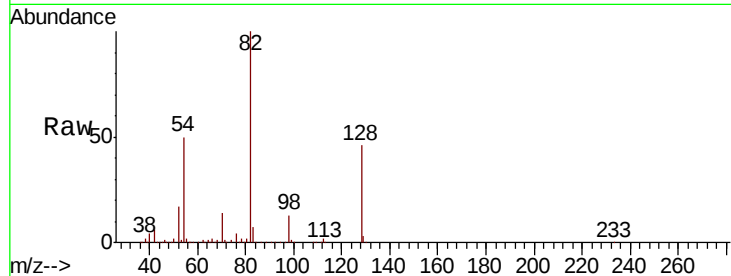
Tot Ion: 82 Resp: 937015

Ion Ratio Lower Upper

82 100

128 46.0 35.1 52.7

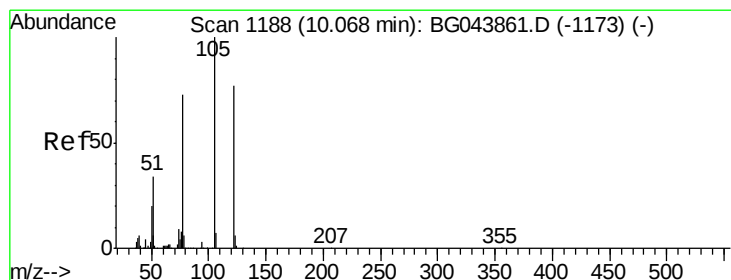
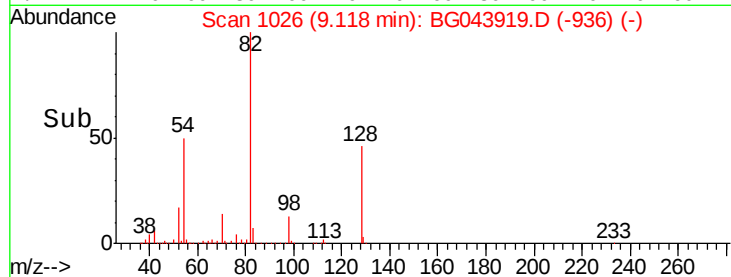
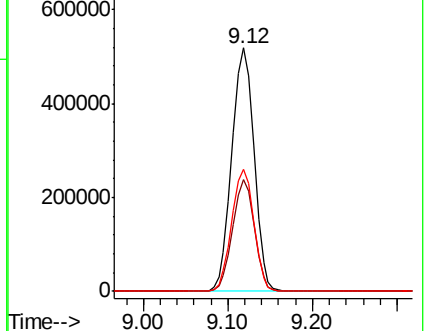
54 50.2 40.1 60.1



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: 6.272 ng

RT: 10.25 min Scan# 1218

Delta R.T. 0.18 min

Lab File: BG043919.D

Acq: 4 Jan 2020 12:53

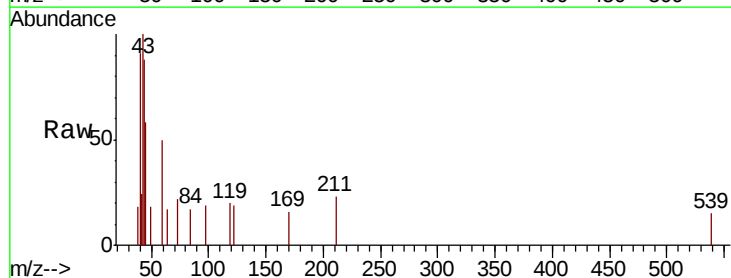
Tgt Ion: 122 Resp: 66

Ion Ratio Lower Upper

122 100

105 0.0 106.4 146.4#

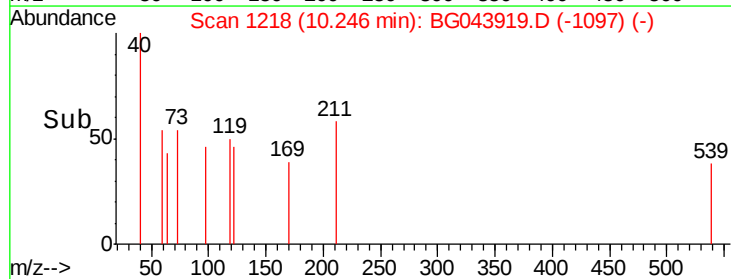
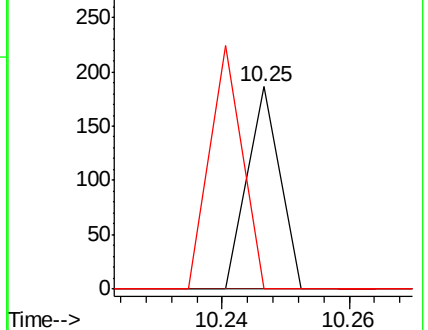
77 0.0 74.6 114.6#

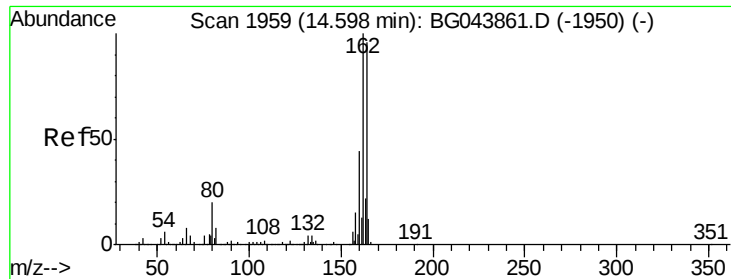


Abundance Ion 122.00 (121.70 to 122.70): BGC

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. -0.00 min

Lab File: BG043919.D

Acq: 4 Jan 2020 12:53

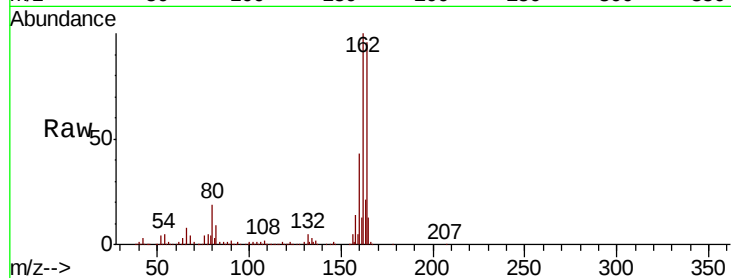
Tot Ion:164 Resp: 371145

Ion Ratio Lower Upper

164 100

162 103.9 83.0 124.4

160 45.0 36.1 54.1

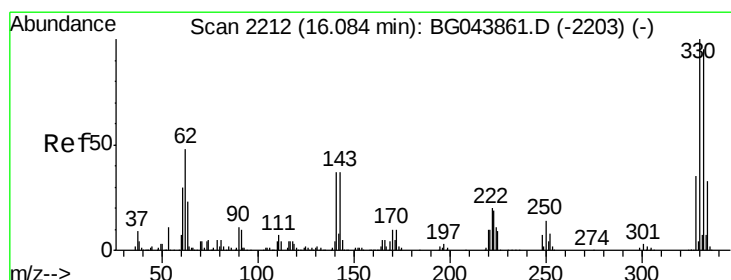
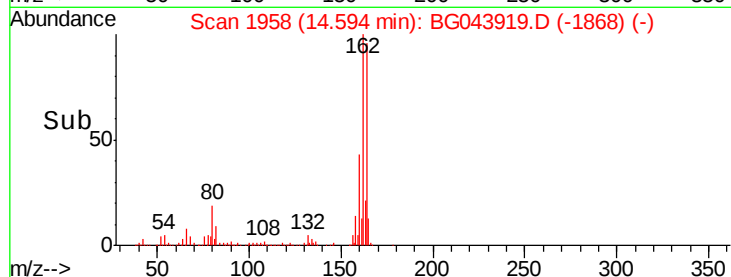
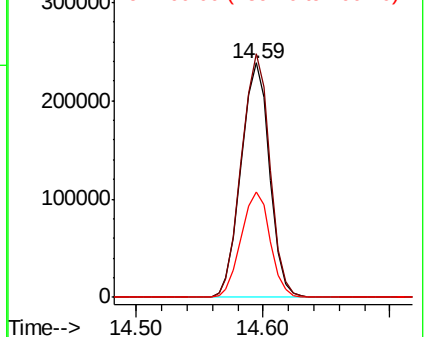


Abundance

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: 153.280 ng

RT: 16.08 min Scan# 2211

Delta R.T. -0.00 min

Lab File: BG043919.D

Acq: 4 Jan 2020 12:53

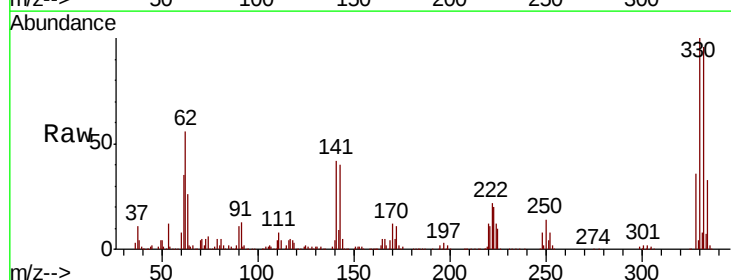
Tgt Ion:330 Resp: 595334

Ion Ratio Lower Upper

330 100

332 95.5 77.2 115.8

141 41.0 33.1 49.7

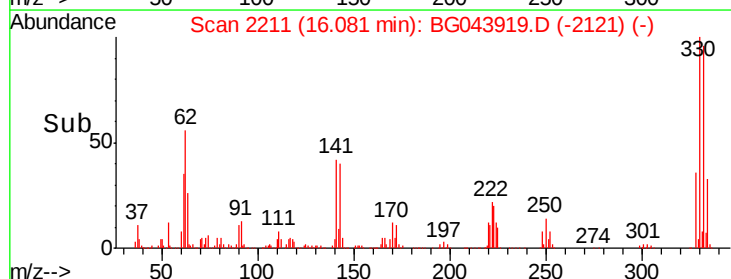
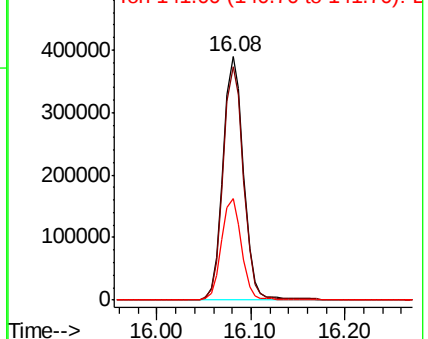


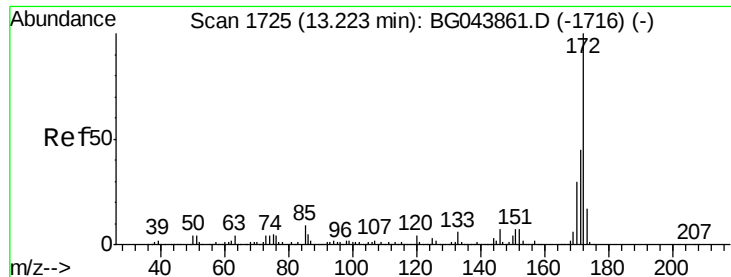
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

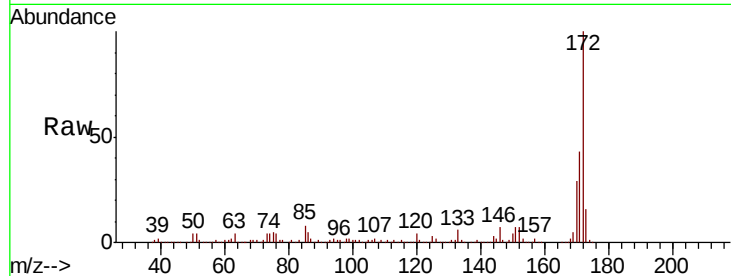
Ion 141.00 (140.70 to 141.70): E



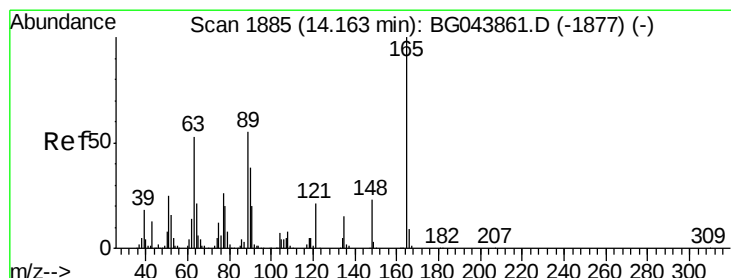
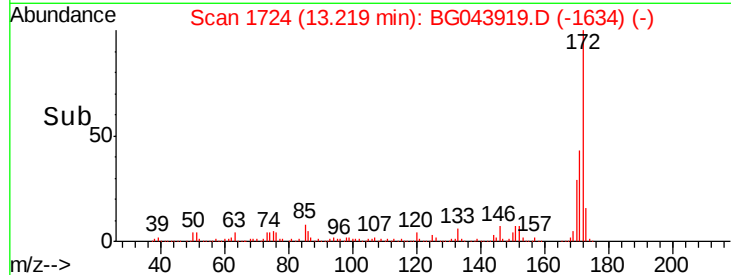
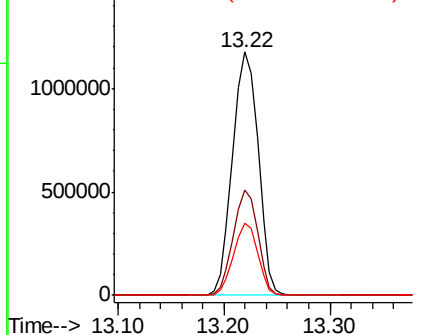


#45
 2-Fluorobiphenyl
 Concen: 96.582 ng
 RT: 13.22 min Scan# 1724
 Delta R.T. -0.00 min
 Lab File: BG043919.D
 Acq: 4 Jan 2020 12:53

Tot Ion:172	Resp: 1978514		
Ion Ratio	Lower	Upper	
172	100		
171	43.0	35.8	53.8
170	29.4	24.2	36.4

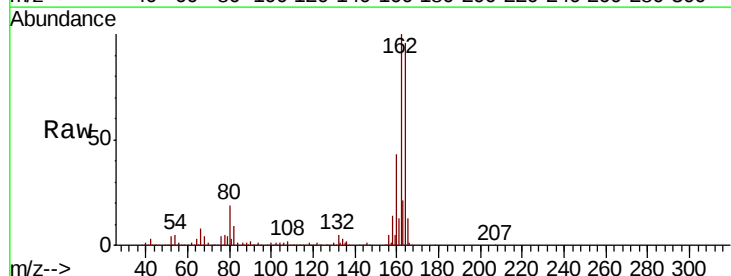


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

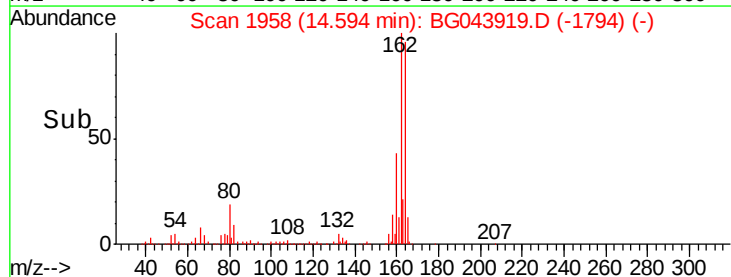
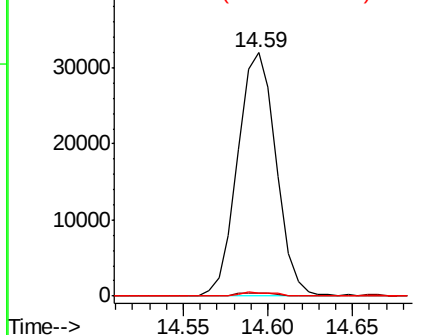


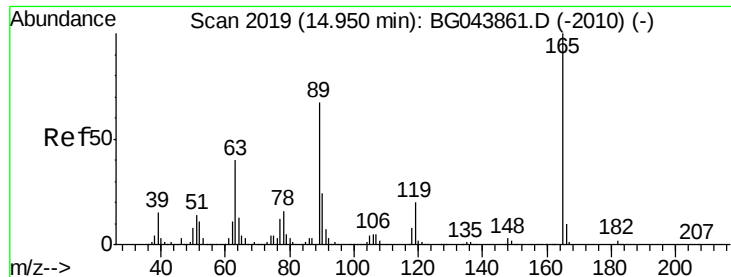
#51
 2,6-Dinitrotoluene
 Concen: 8.515 ng
 RT: 14.59 min Scan# 1958
 Delta R.T. 0.43 min
 Lab File: BG043919.D
 Acq: 4 Jan 2020 12:53

Tgt	Ion:165	Resp:	50720
Ion	Ratio	Lower	Upper
165	100		
63	1.2	43.1	64.7#
89	1.3	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: 6.258 ng

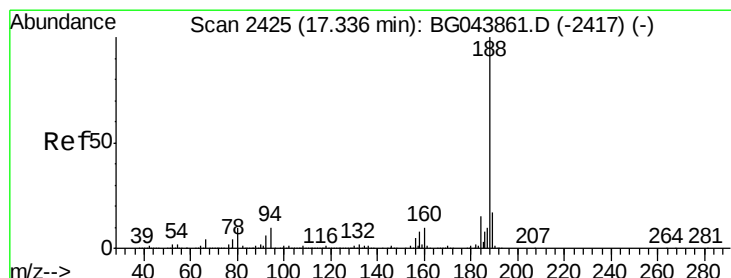
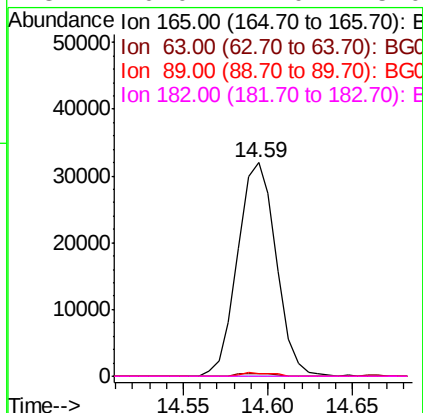
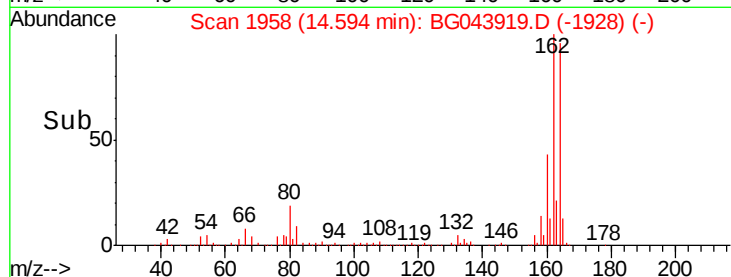
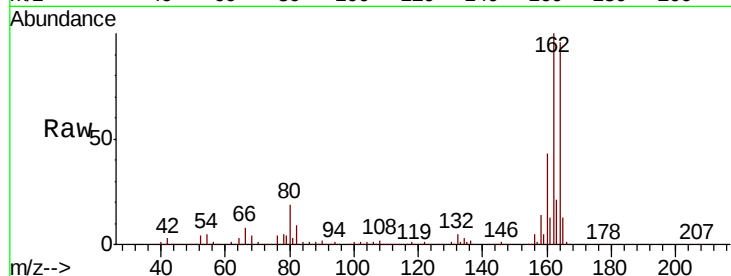
RT: 14.59 min Scan# 1958

Delta R.T. -0.36 min

Lab File: BG043919.D

Acq: 4 Jan 2020 12:53

Tot Ion:	165	Resp:	50720
Ion	Ratio	Lower	Upper
165	100		
63	1.2	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

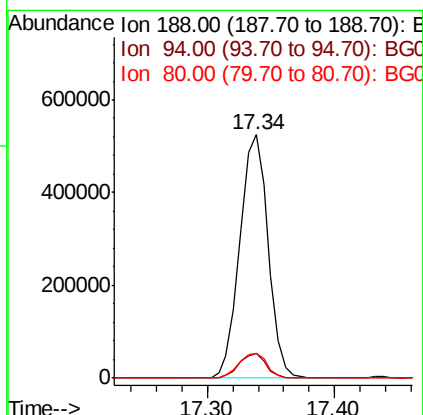
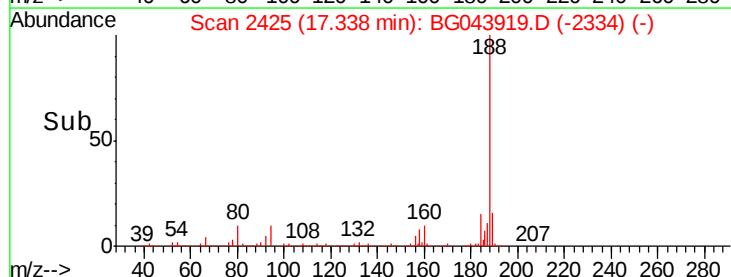
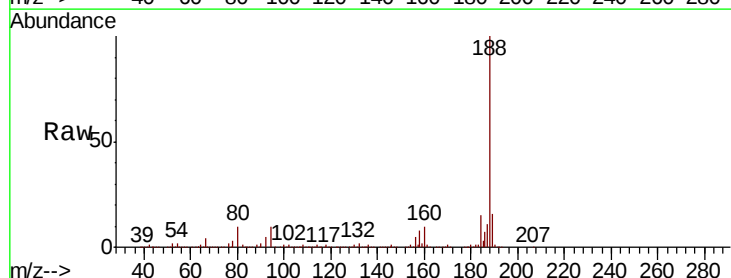
RT: 17.34 min Scan# 2425

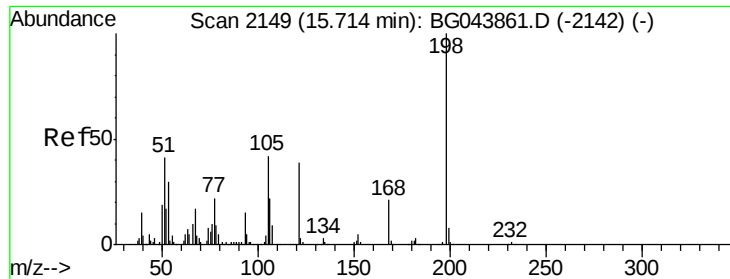
Delta R.T. 0.00 min

Lab File: BG043919.D

Acq: 4 Jan 2020 12:53

Tgt Ion:	188	Resp:	812203
Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.9	11.9
80	10.0	8.2	12.4





#65

4,6-Dinitro-2-methylphenol

Concen: 4.911 ng

RT: 16.08 min Scan# 2211

Delta R.T. 0.37 min

Lab File: BG043919.D

Acq: 4 Jan 2020 12:53

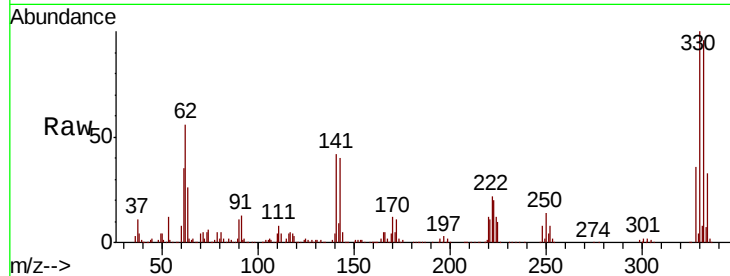
Tot Ion:198 Resp: 2399

Ion Ratio Lower Upper

198 100

51 126.1 22.5 62.5#

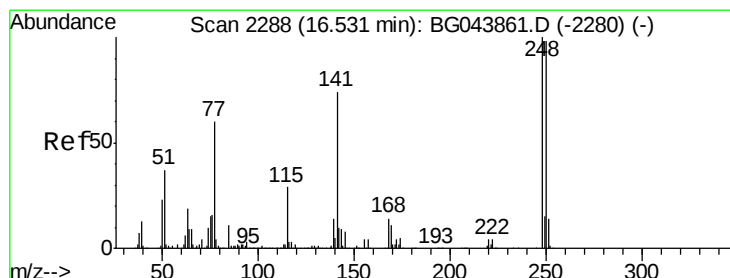
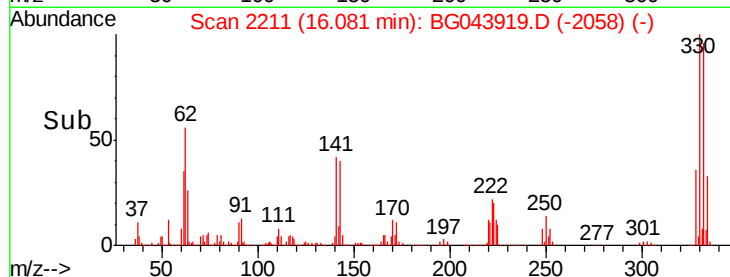
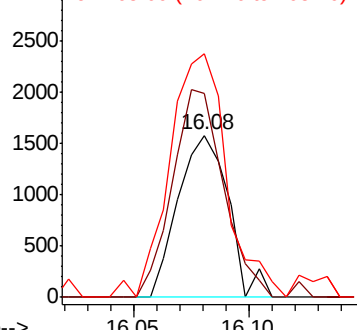
105 150.3 22.3 62.3#



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: 4.723 ng

RT: 16.08 min Scan# 2211

Delta R.T. -0.45 min

Lab File: BG043919.D

Acq: 4 Jan 2020 12:53

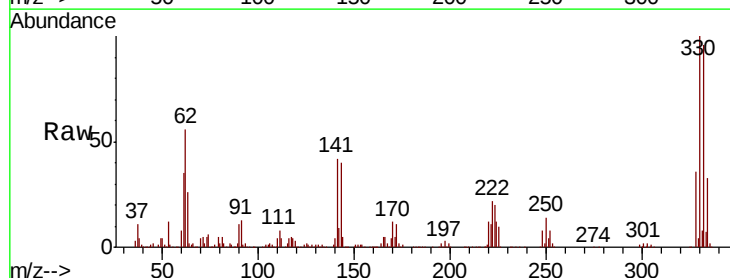
Tgt Ion:248 Resp: 43145

Ion Ratio Lower Upper

248 100

250 187.4 78.2 117.2#

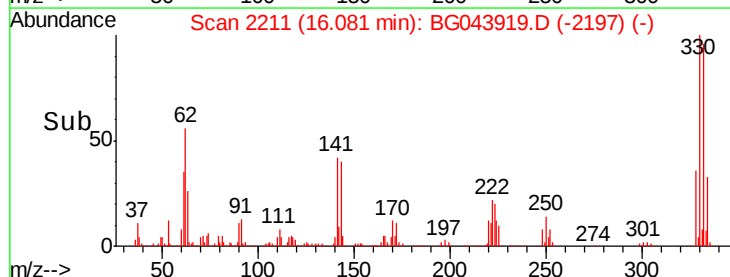
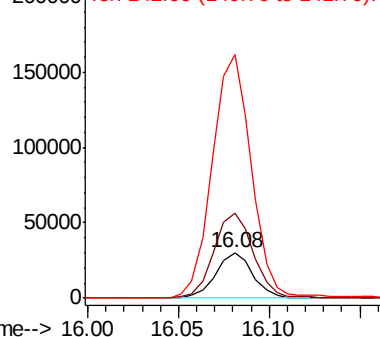
141 536.7 59.3 88.9#

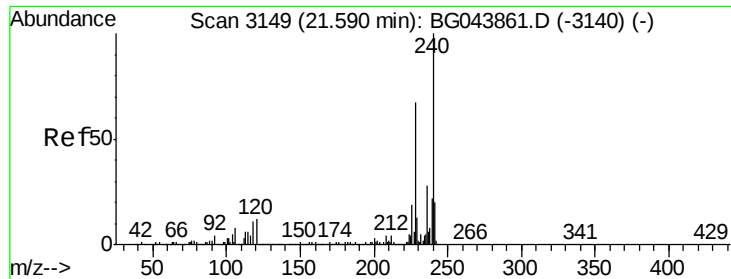


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

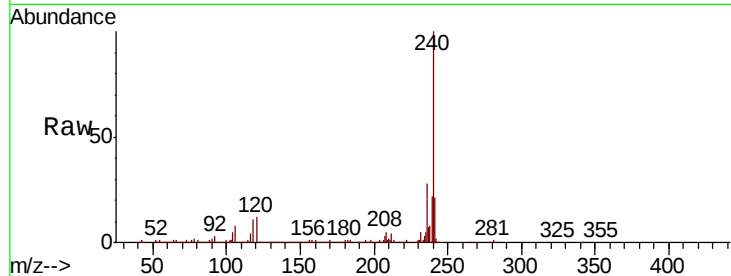
Ion 141.00 (140.70 to 141.70): E





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.59 min Scan# 3148
Delta R.T. -0.00 min
Lab File: BG043919.D
Acq: 4 Jan 2020 12:53

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.6	14.4
236	27.7	22.2	33.2

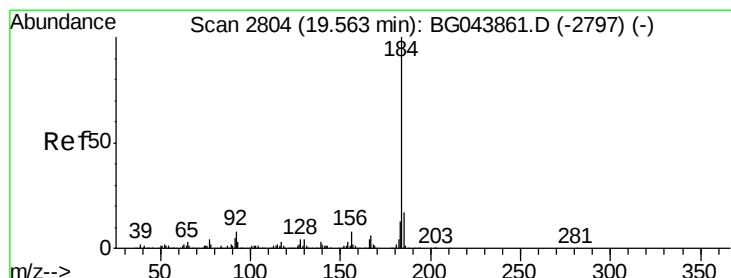
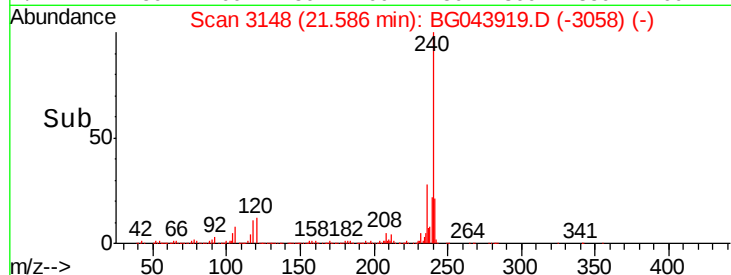
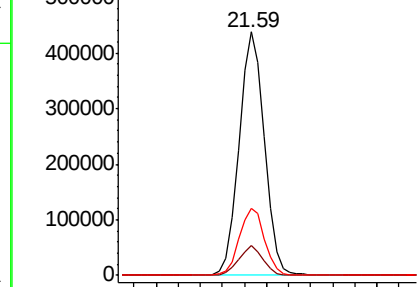


Abundance

Ion 240.00 (239.70 to 240.70): E

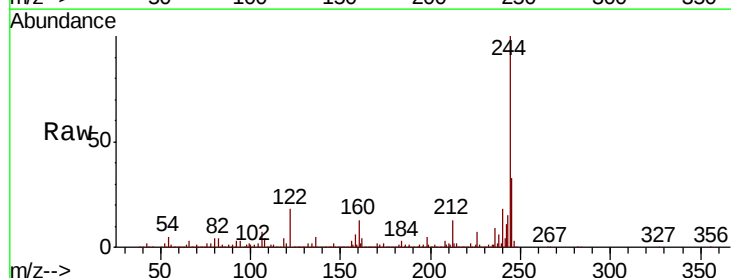
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77
Benzidine
Concen: 3.480 ng
RT: 19.95 min Scan# 2870
Delta R.T. 0.39 min
Lab File: BG043919.D
Acq: 4 Jan 2020 12:53

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.5	13.4	20.0
183	7.2	10.6	15.8

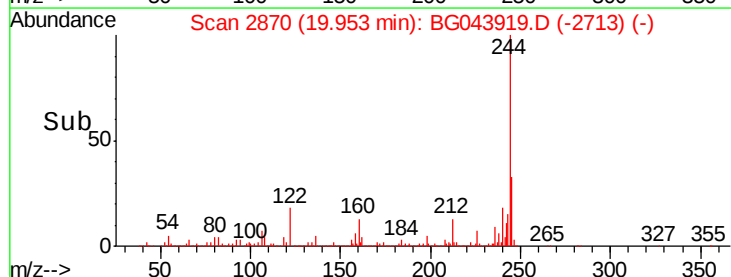
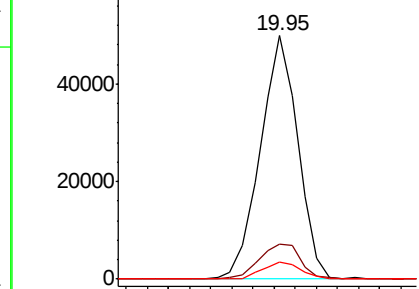


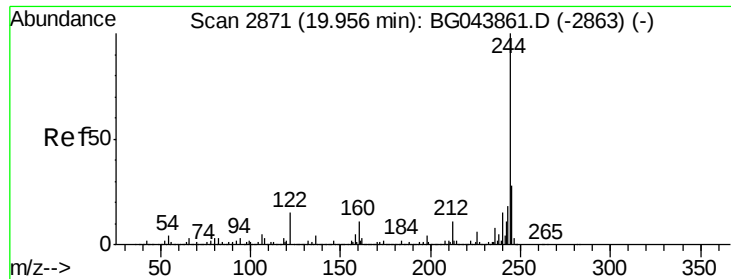
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

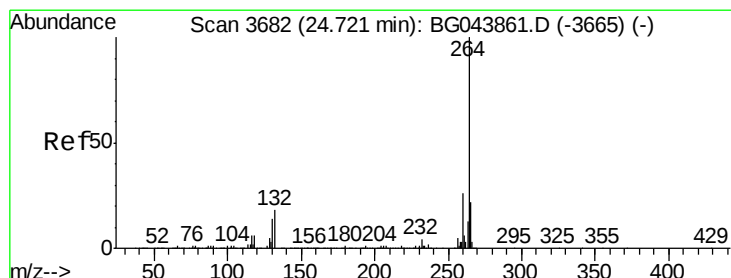
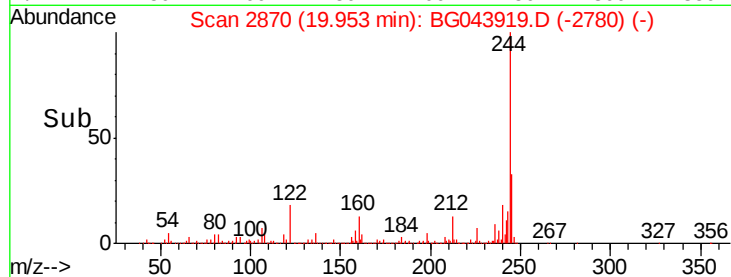
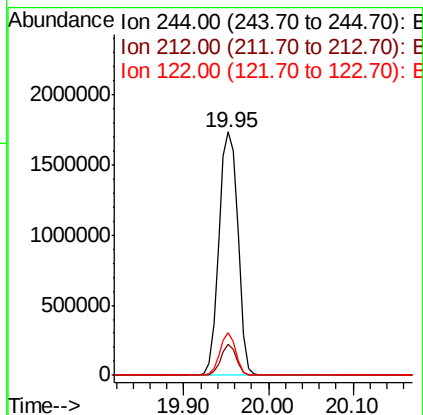
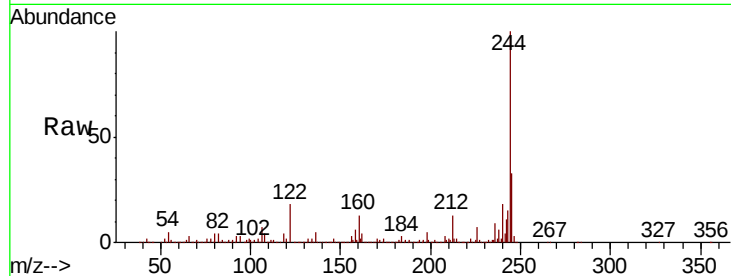
Ion 183.00 (182.70 to 183.70): E





#79
 Terphenyl-d14
 Concen: 96.769 ng
 RT: 19.95 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: BG043919.D
 Acq: 4 Jan 2020 12:53

Tot Ion:244 Resp: 2732375
 Ion Ratio Lower Upper
 244 100
 212 13.0 8.6 13.0#
 122 17.7 11.9 17.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.71 min Scan# 3680
 Delta R.T. -0.01 min
 Lab File: BG043919.D
 Acq: 4 Jan 2020 12:53

Tgt Ion:264 Resp: 761419
 Ion Ratio Lower Upper
 264 100
 260 23.0 20.4 30.6
 265 22.7 17.4 26.2

