

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010320\
 Data File : BG043918.D
 Acq On : 4 Jan 2020 12:14
 Operator : JU
 Sample : L1008-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jan 06 04:31:21 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	130457	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	559920	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	373786	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	803520	20.00	ng	0.00
76) Chrysene-d12	21.59	240	701228	20.00	ng	0.00
87) Perylene-d12	24.71	264	758565	20.00	ng	0.00

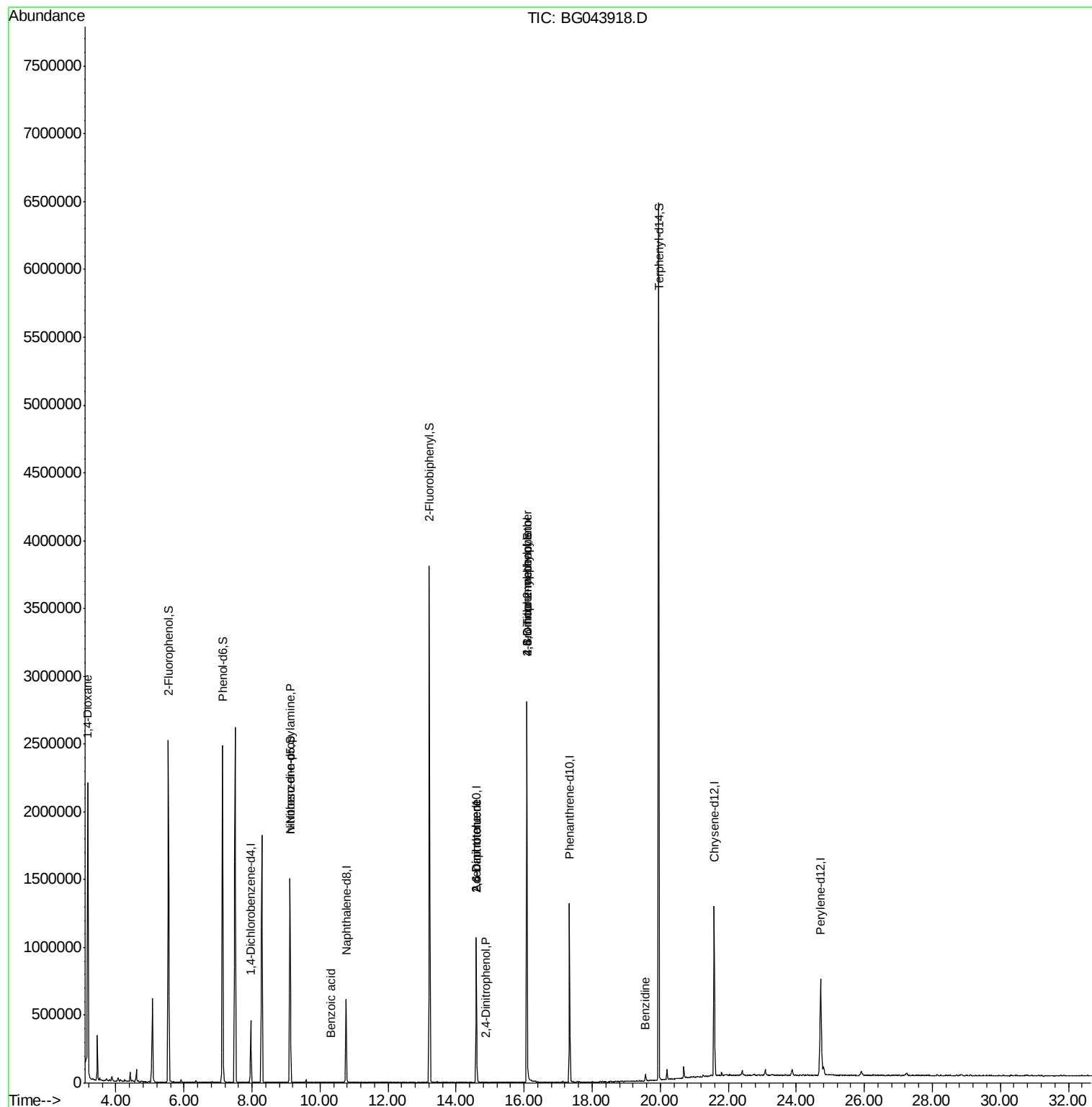
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	1114038	156.80	ng	0.00
7) Phenol-d6	7.13	99	1536474	154.71	ng	0.00
23) Nitrobenzene-d5	9.12	82	947750	90.55	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	498934	127.55	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1940842	94.07	ng	0.00
79) Terphenyl-d14	19.96	244	2705514	96.25	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.18	88	25578	8.256	ng	# 1
19) n-Nitroso-di-n-propylamine	9.12	70	126274	17.073	ng	# 81
32) Benzoic acid	10.31	122	63	6.271	ng	# 1
51) 2,6-Dinitrotoluene	14.59	165	48784	8.132	ng	# 27
54) 2,4-Dinitrophenol	14.86	184	63	5.502	ng	# 20
57) 2,4-Dinitrotoluene	14.59	165	48784	5.977	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.08	198	1527	4.725	ng	# 1
67) 4-Bromophenyl-phenylether	16.08	248	34793	3.850	ng	# 1
77) Benzidine	19.57	184	35405	2.009	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: BG043918.D

Acq: 4 Jan 2020 12:14

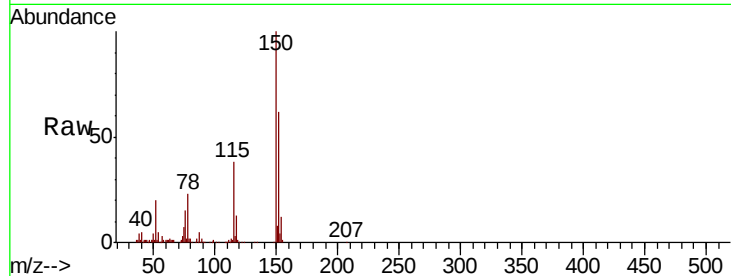
Tot Ion:152 Resp: 130457

Ion Ratio Lower Upper

152 100

150 160.5 127.0 190.4

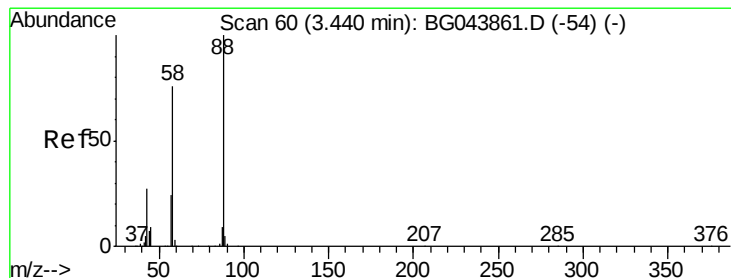
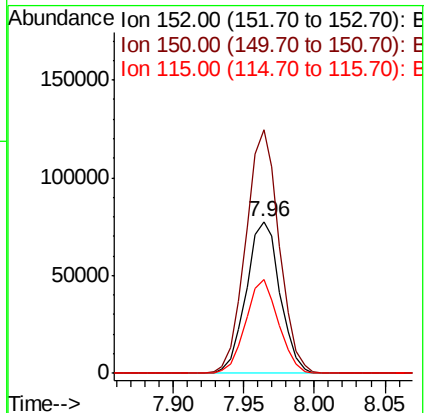
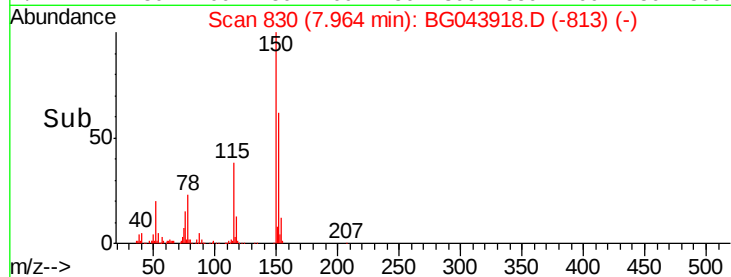
115 61.5 47.8 71.8



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: 8.256 ng

RT: 3.18 min Scan# 15

Delta R.T. -0.27 min

Lab File: BG043918.D

Acq: 4 Jan 2020 12:14

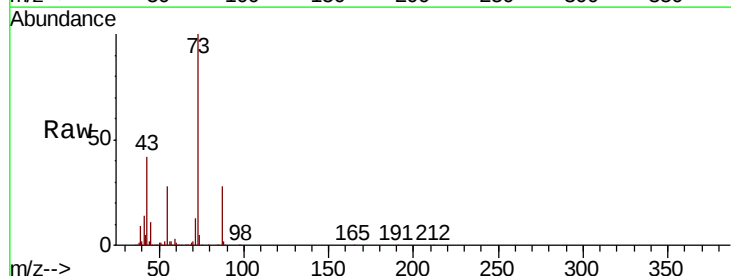
Tgt Ion: 88 Resp: 25578

Ion Ratio Lower Upper

88 100

58 28.9 59.8 89.8#

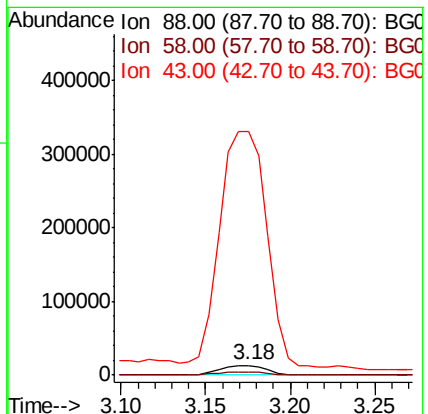
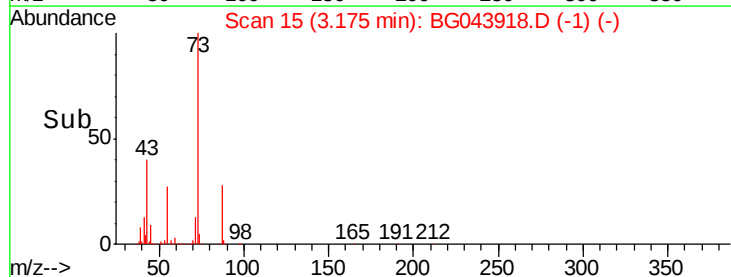
43 2423.7 22.9 34.3#

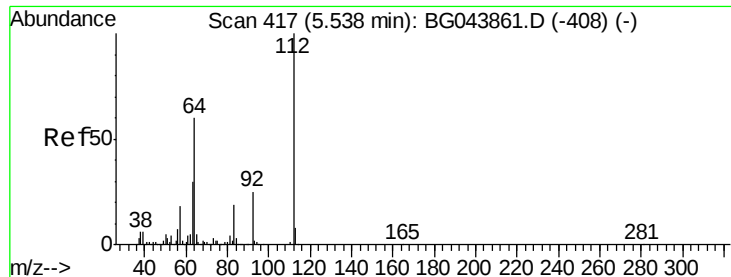


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 156.796 ng

RT: 5.54 min Scan# 418

Delta R.T. 0.01 min

Lab File: BG043918.D

Acq: 4 Jan 2020 12:14

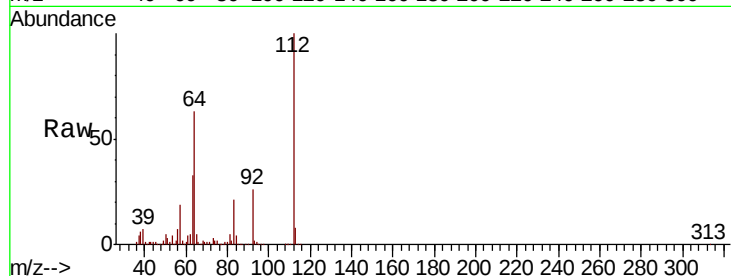
Tot Ion:112 Resp: 1114038

Ion Ratio Lower Upper

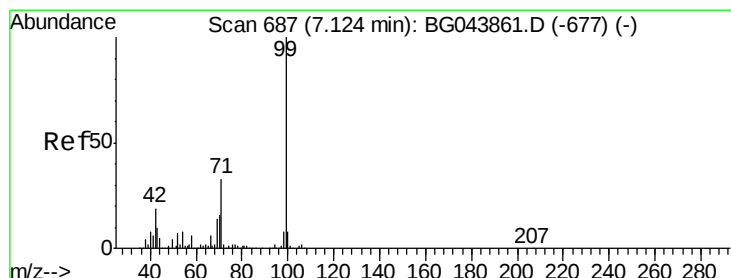
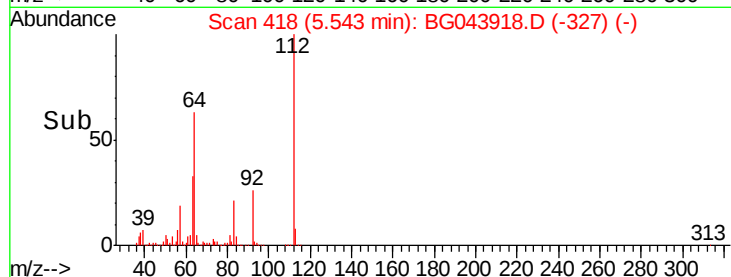
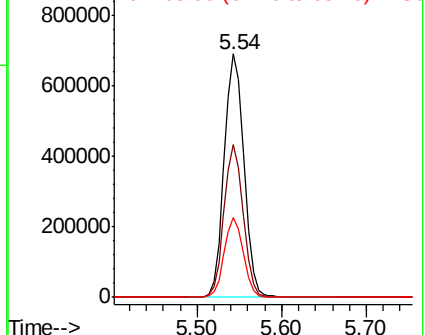
112 100

64 62.6 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: 154.706 ng

RT: 7.13 min Scan# 688

Delta R.T. 0.01 min

Lab File: BG043918.D

Acq: 4 Jan 2020 12:14

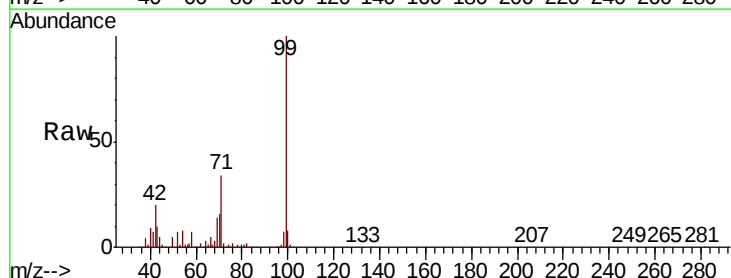
Tgt Ion: 99 Resp: 1536474

Ion Ratio Lower Upper

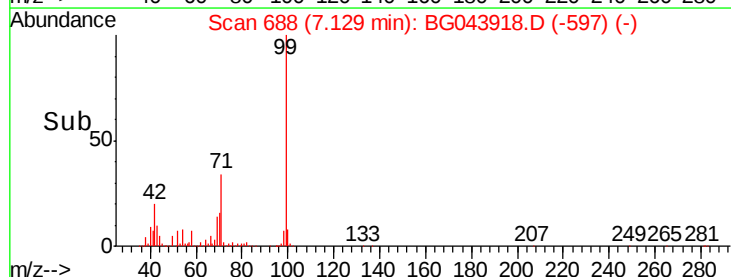
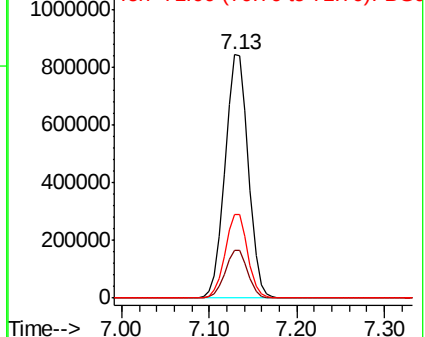
99 100

42 19.9 14.9 22.3

71 34.4 26.4 39.6



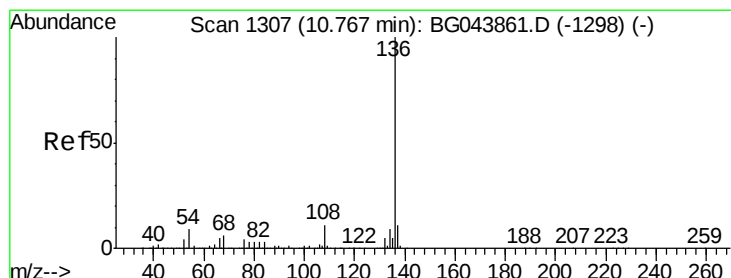
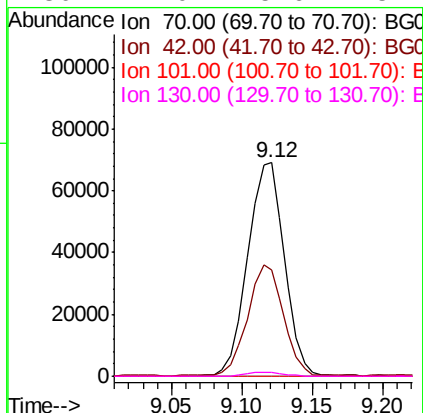
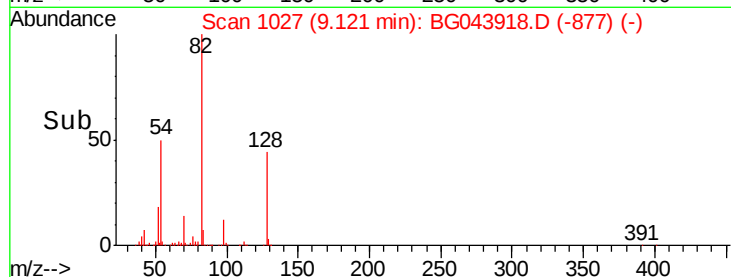
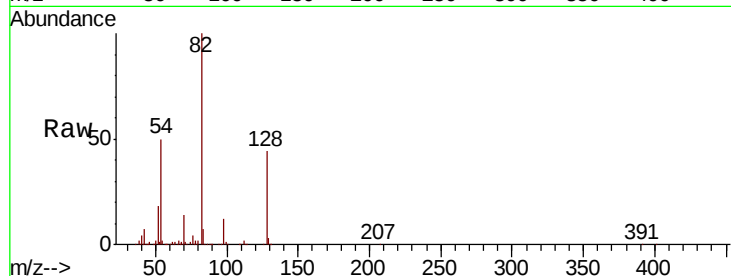
Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC





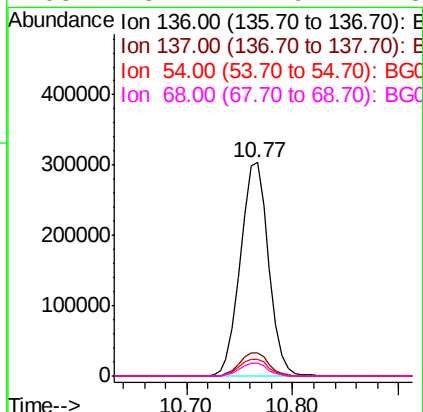
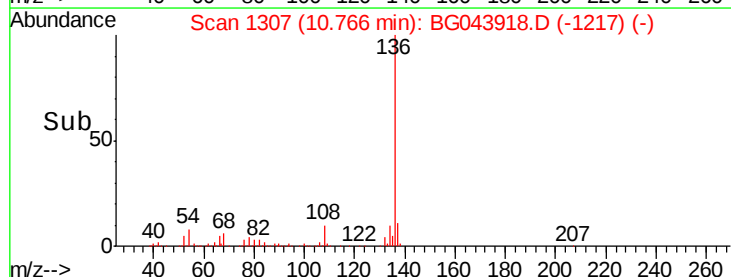
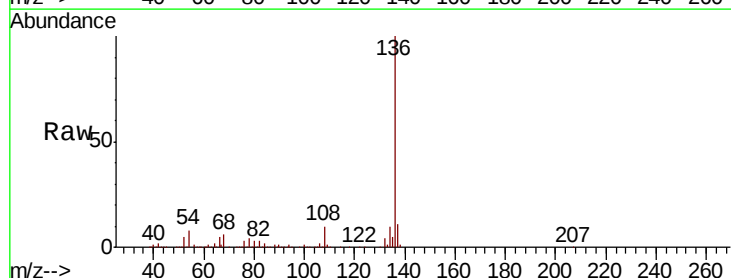
#19
n-Nitroso-di-n-propylamine
Concen: 17.073 ng
RT: 9.12 min Scan# 1027
Delta R.T. 0.35 min
Lab File: BG043918.D
Acq: 4 Jan 2020 12:14

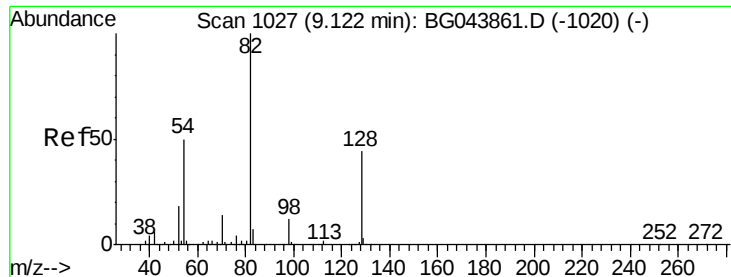
Tot Ion: 70 Resp: 126274
Ion Ratio Lower Upper
70 100
42 50.0 47.0 70.4
101 0.0 7.2 10.8#
130 2.0 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.77 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BG043918.D
Acq: 4 Jan 2020 12:14

Tgt Ion: 136 Resp: 559920
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.1 7.0 10.4
68 5.7 4.9 7.3





#23

Nitrobenzene-d5

Concen: 90.550 ng

RT: 9.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BG043918.D

Acq: 4 Jan 2020 12:14

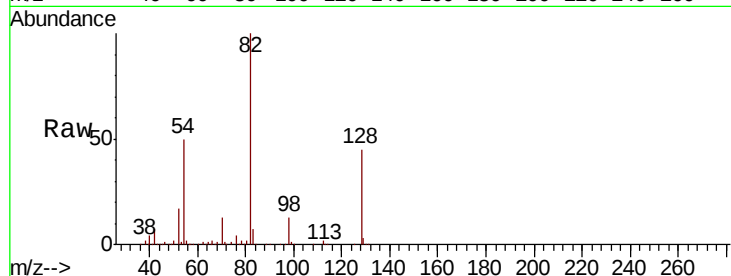
Tot Ion: 82 Resp: 947750

Ion Ratio Lower Upper

82 100

128 44.9 35.1 52.7

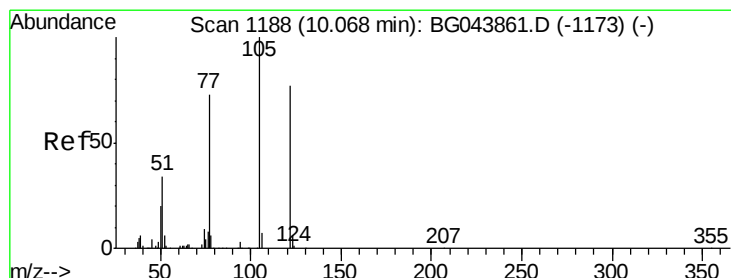
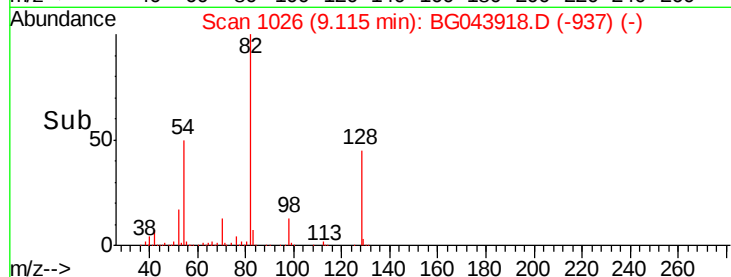
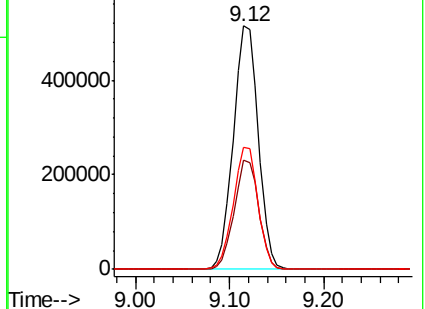
54 49.9 40.1 60.1



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: 6.271 ng

RT: 10.31 min Scan# 1229

Delta R.T. 0.24 min

Lab File: BG043918.D

Acq: 4 Jan 2020 12:14

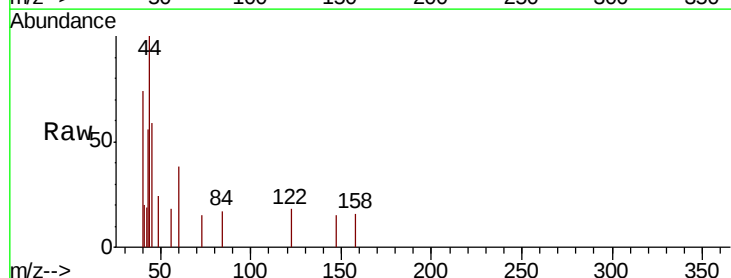
Tgt Ion: 122 Resp: 63

Ion Ratio Lower Upper

122 100

105 0.0 106.4 146.4#

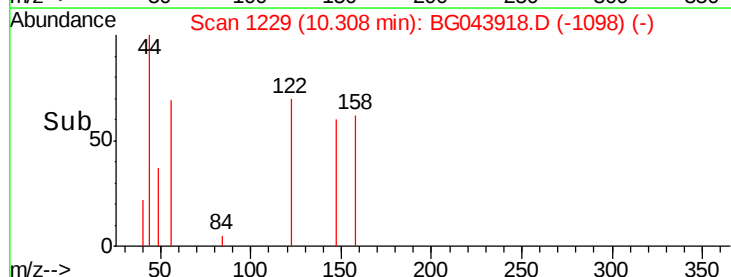
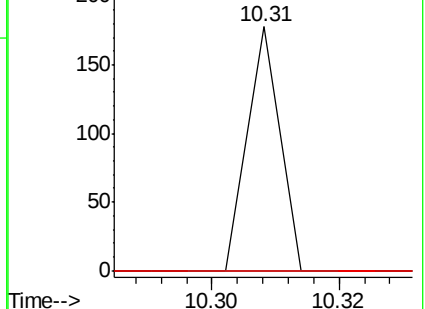
77 0.0 74.6 114.6#

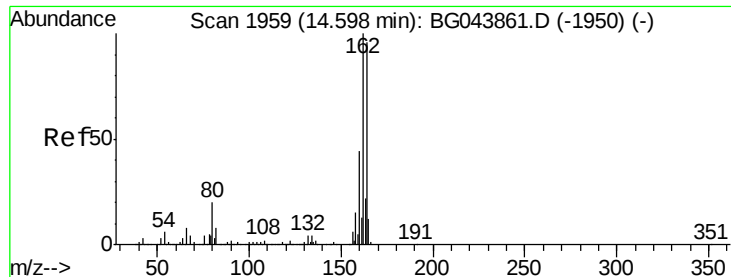


Abundance Ion 122.00 (121.70 to 122.70): BGC

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

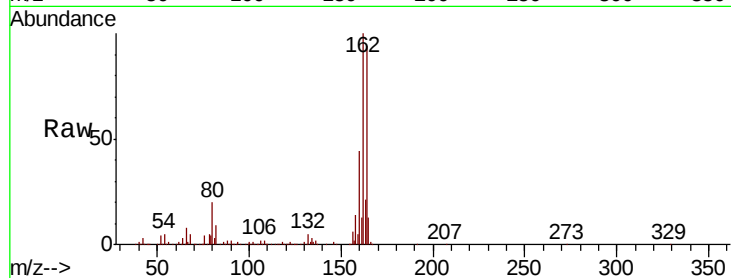
Delta R.T. -0.01 min

Lab File: BG043918.D

Acq: 4 Jan 2020 12:14

Tot Ion:164 Resp: 373786

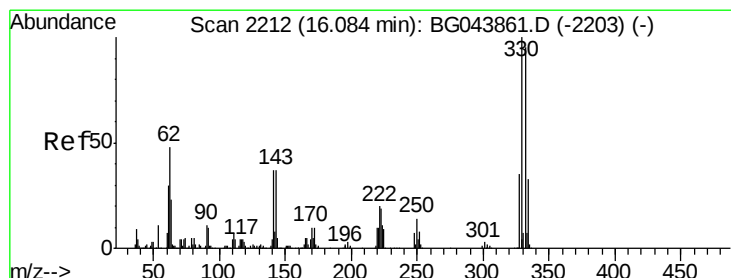
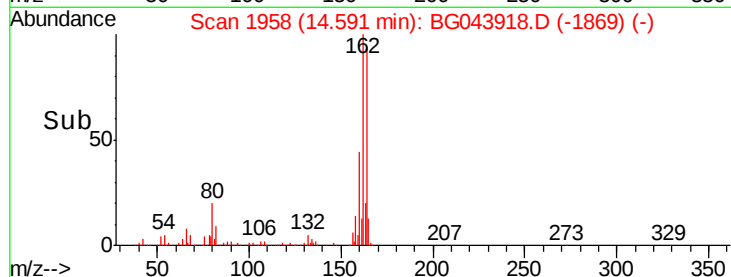
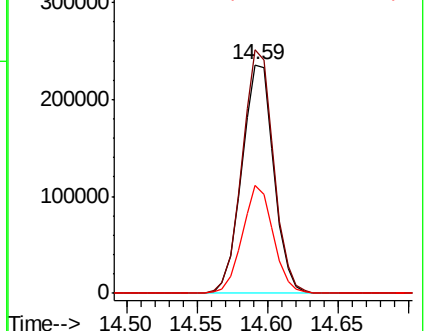
Ion	Ratio	Lower	Upper
164	100		
162	106.4	83.0	124.4
160	47.0	36.1	54.1



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: 127.553 ng

RT: 16.08 min Scan# 2212

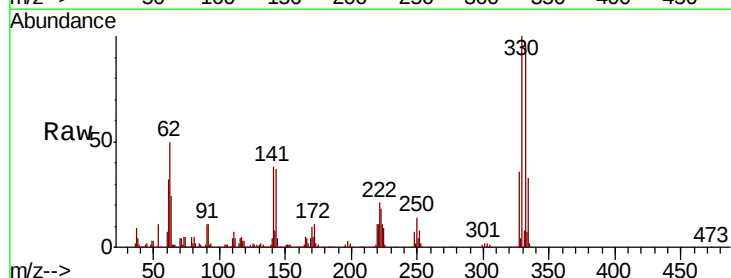
Delta R.T. -0.00 min

Lab File: BG043918.D

Acq: 4 Jan 2020 12:14

Tgt Ion:330 Resp: 498934

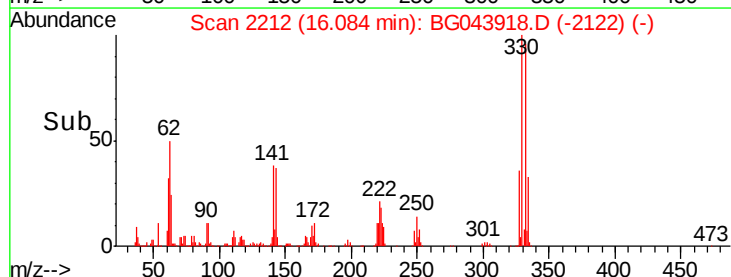
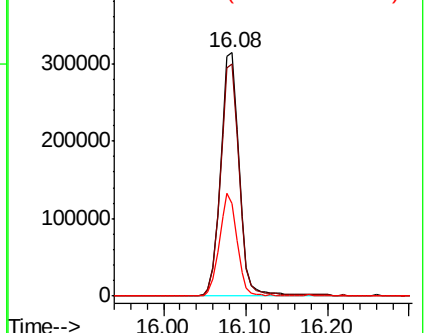
Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.2	115.8
141	40.4	33.1	49.7

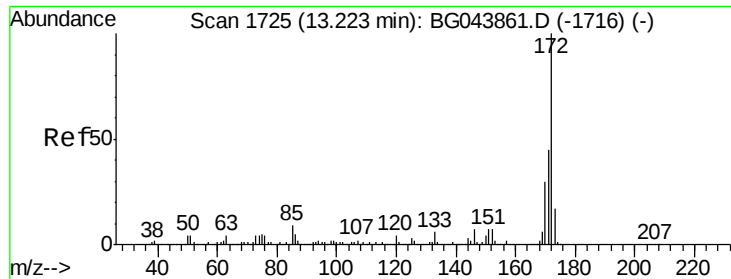


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

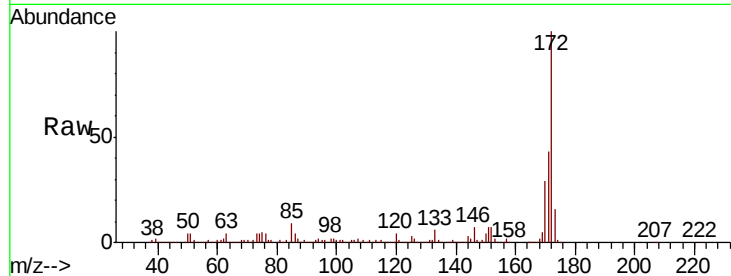
Ion 141.00 (140.70 to 141.70): E



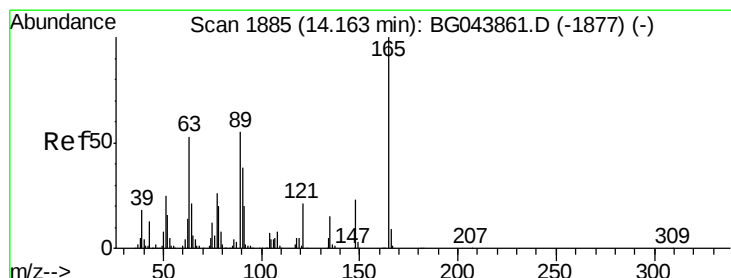
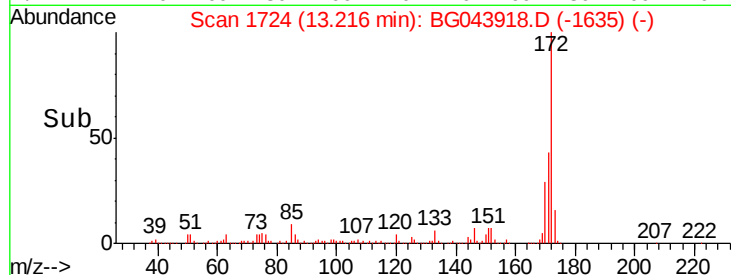
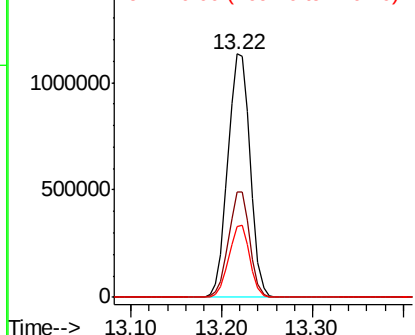


#45
2-Fluorobiphenyl
Concen: 94.074 ng
RT: 13.22 min Scan# 1724
Delta R.T. -0.01 min
Lab File: BG043918.D
Acq: 4 Jan 2020 12:14

Tot Ion:172 Resp: 1940842
Ion Ratio Lower Upper
172 100
171 43.1 35.8 53.8
170 29.2 24.2 36.4

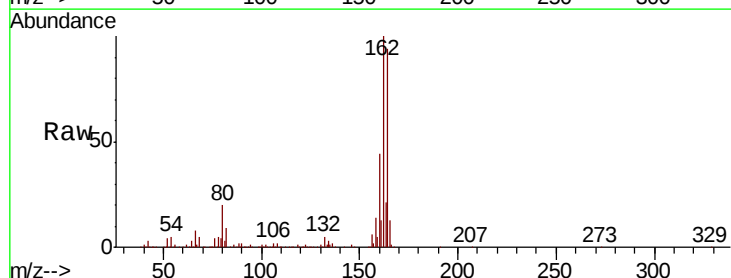


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

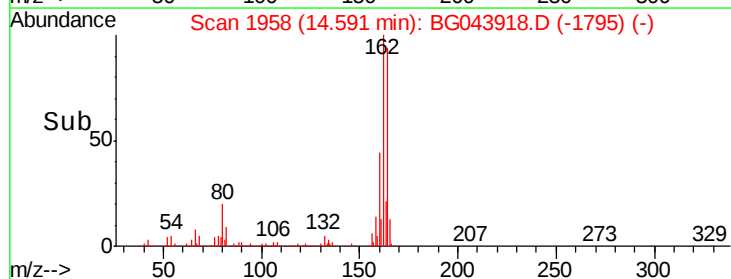
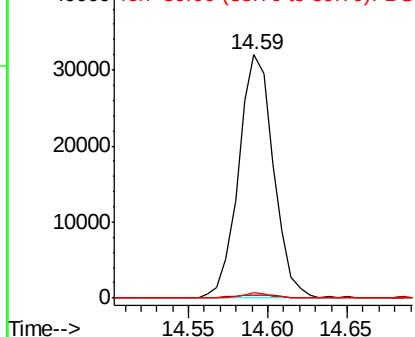


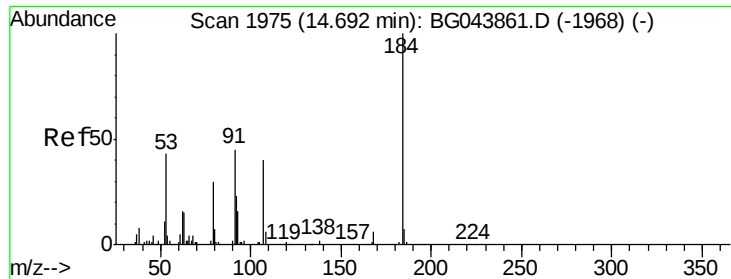
#51
2,6-Dinitrotoluene
Concen: 8.132 ng
RT: 14.59 min Scan# 1958
Delta R.T. 0.43 min
Lab File: BG043918.D
Acq: 4 Jan 2020 12:14

Tgt Ion:165 Resp: 48784
Ion Ratio Lower Upper
165 100
63 1.1 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





#54

2,4-Dinitrophenol

Concen: 5.502 ng

RT: 14.86 min Scan# 2004

Delta R.T. 0.17 min

Lab File: BG043918.D

Acq: 4 Jan 2020 12:14

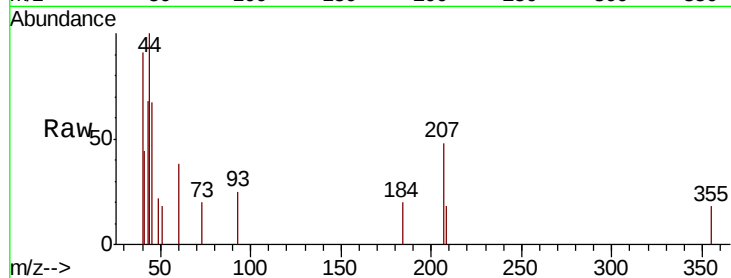
Tot Ion:184 Resp: 63

Ion Ratio Lower Upper

184 100

63 0.0 46.6 70.0#

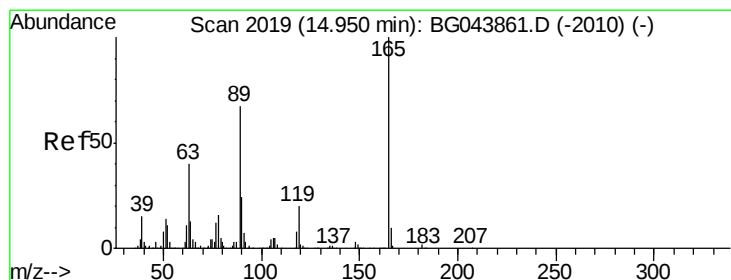
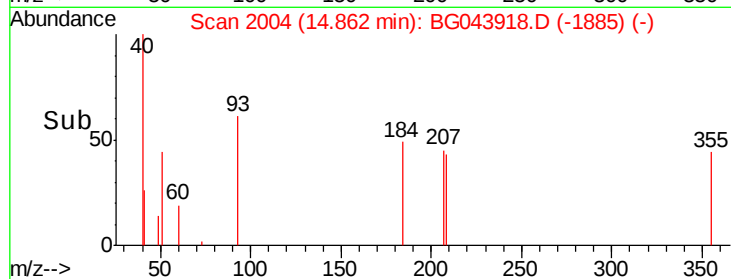
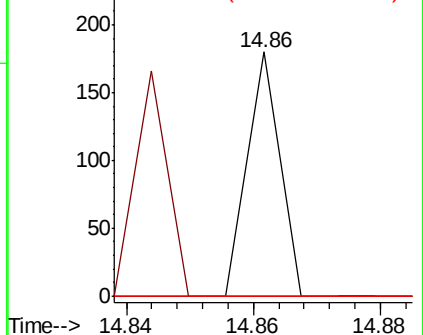
154 0.0 50.2 75.4#



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: 5.977 ng

RT: 14.59 min Scan# 1958

Delta R.T. -0.36 min

Lab File: BG043918.D

Acq: 4 Jan 2020 12:14

Tgt Ion:165 Resp: 48784

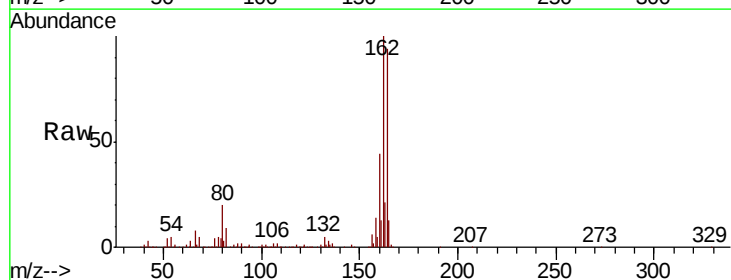
Ion Ratio Lower Upper

165 100

63 1.1 31.9 47.9#

89 2.0 53.8 80.6#

182 0.0 2.0 3.0#

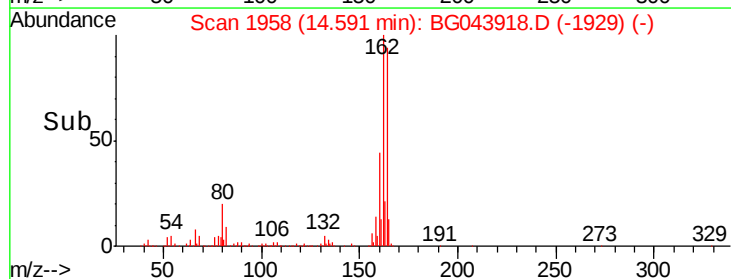
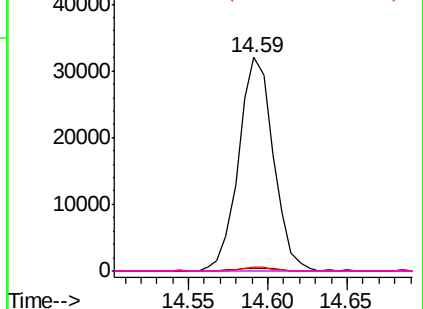


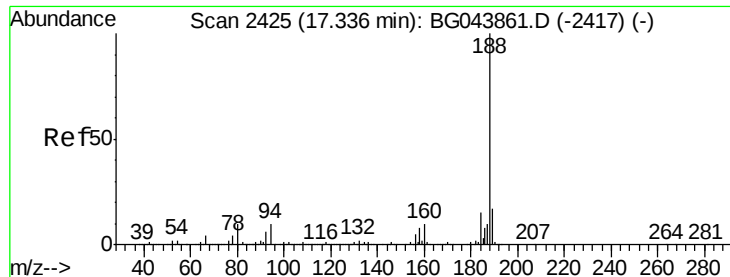
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): 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: BG043918.D

Acq: 4 Jan 2020 12:14

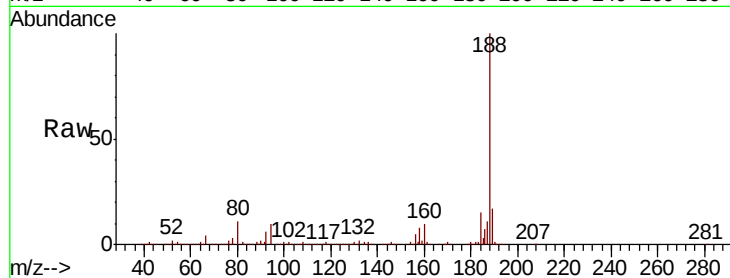
Tot Ion:188 Resp: 803520

Ion Ratio Lower Upper

188 100

94 9.6 7.9 11.9

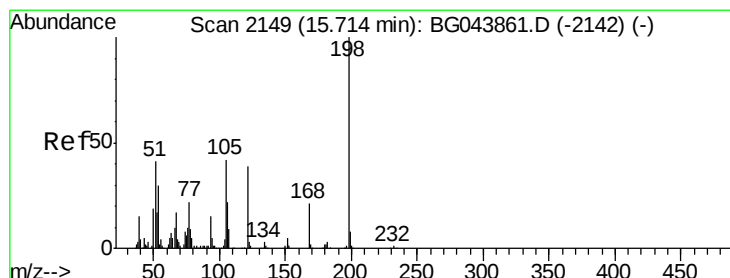
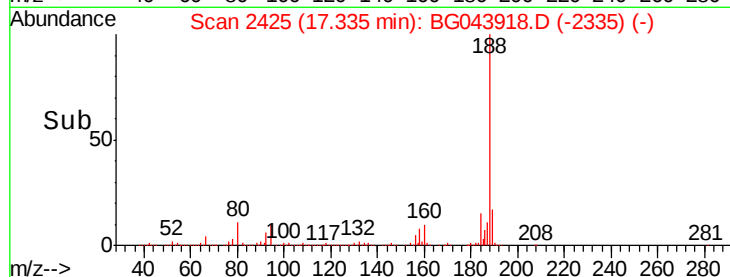
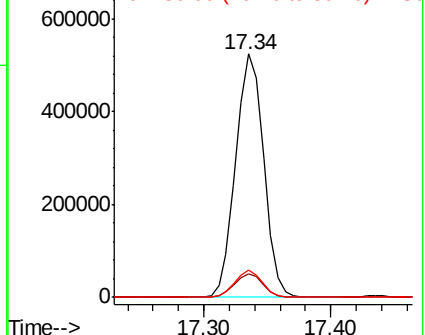
80 11.1 8.2 12.4



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: 4.725 ng

RT: 16.08 min Scan# 2212

Delta R.T. 0.37 min

Lab File: BG043918.D

Acq: 4 Jan 2020 12:14

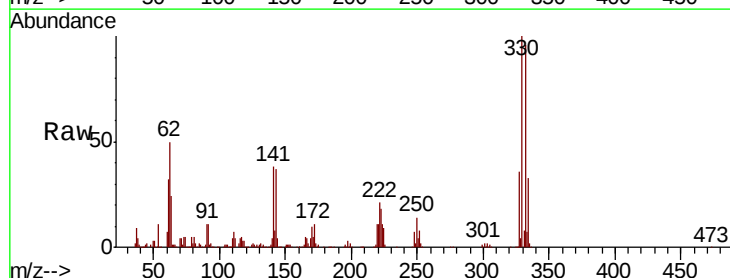
Tgt Ion:198 Resp: 1527

Ion Ratio Lower Upper

198 100

51 141.2 22.5 62.5#

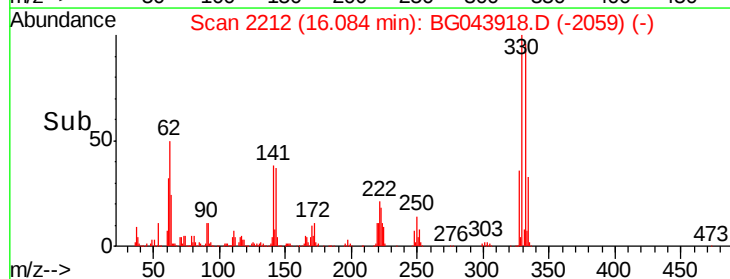
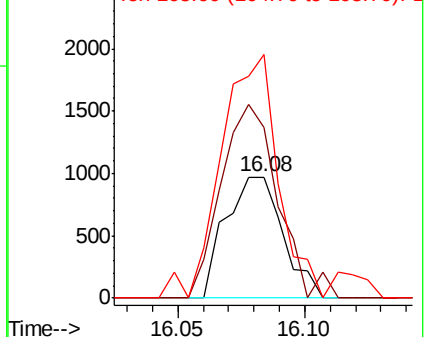
105 201.1 22.3 62.3#

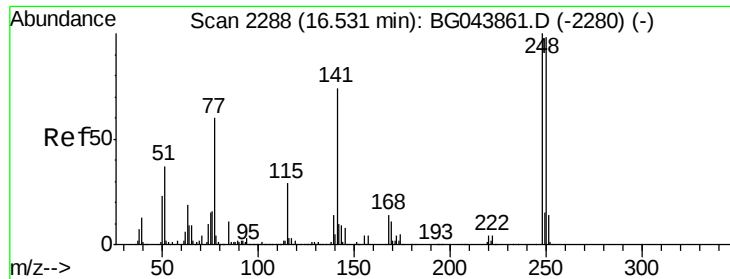


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

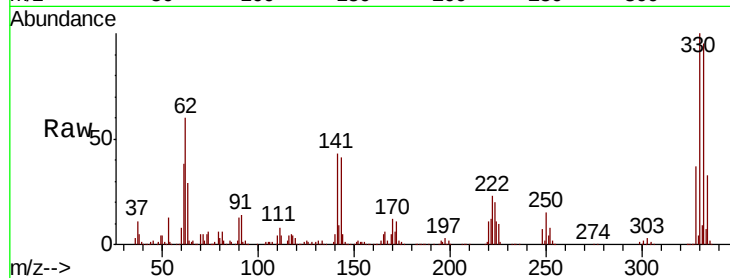
Ion 105.00 (104.70 to 105.70): E



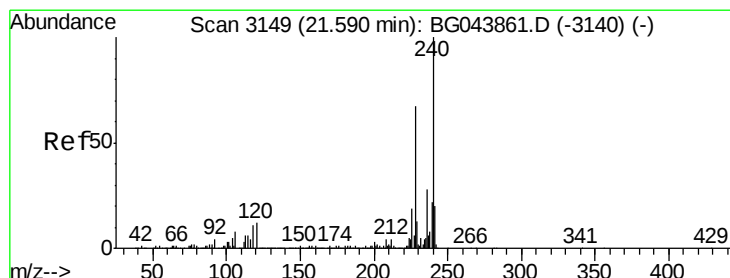
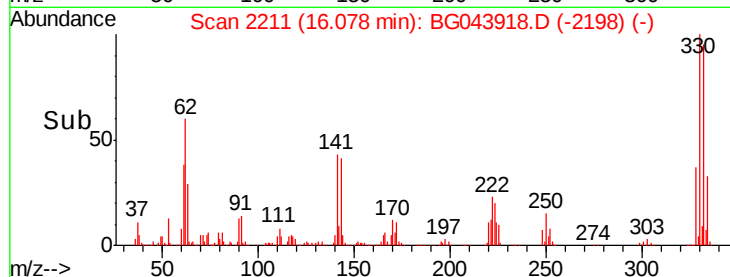
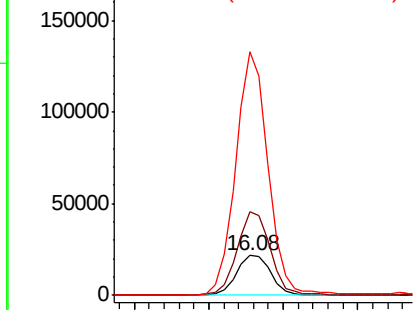


#67
4-Bromophenyl-phenylether
Concen: 3.850 ng
RT: 16.08 min Scan# 2211
Delta R.T. -0.45 min
Lab File: BG043918.D
Acq: 4 Jan 2020 12:14

Tot Ion:248 Resp: 34793
Ion Ratio Lower Upper
248 100
250 210.3 78.2 117.2#
141 613.6 59.3 88.9#

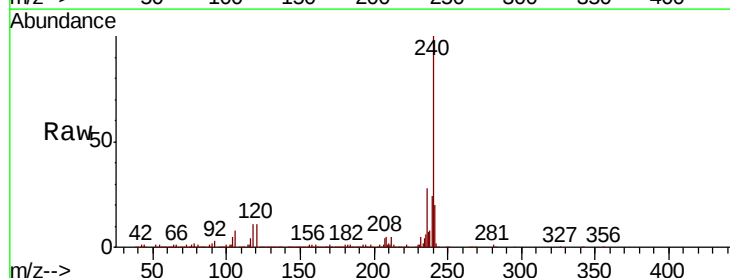


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

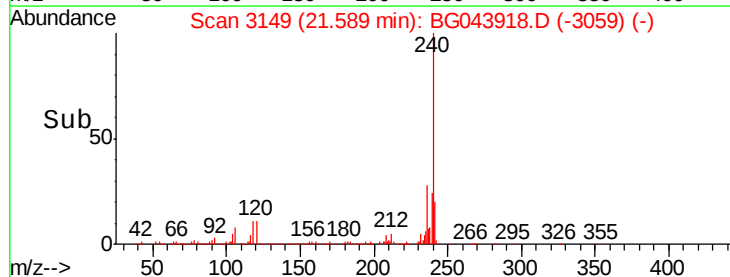
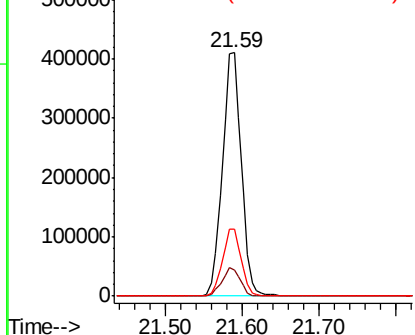


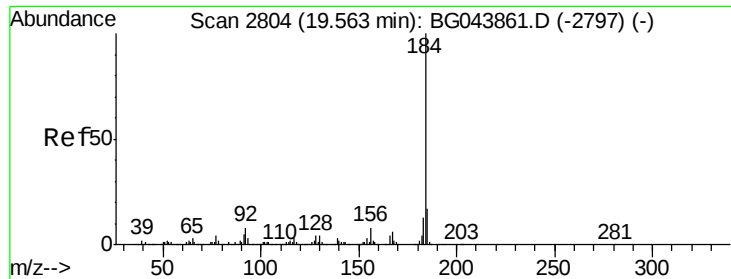
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.59 min Scan# 3149
Delta R.T. -0.00 min
Lab File: BG043918.D
Acq: 4 Jan 2020 12:14

Tgt Ion:240 Resp: 701228
Ion Ratio Lower Upper
240 100
120 10.7 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: 2.009 ng

RT: 19.57 min Scan# 2805

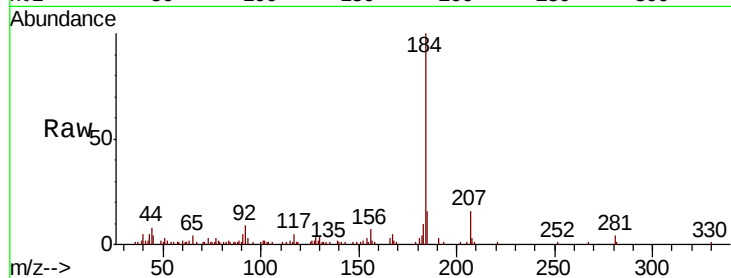
Delta R.T. 0.01 min

Lab File: BG043918.D

Acq: 4 Jan 2020 12:14

Tot Ion:184 Resp: 35405

Ion	Ratio	Lower	Upper
184	100		
185	15.6	13.4	20.0
183	10.5	10.6	15.8

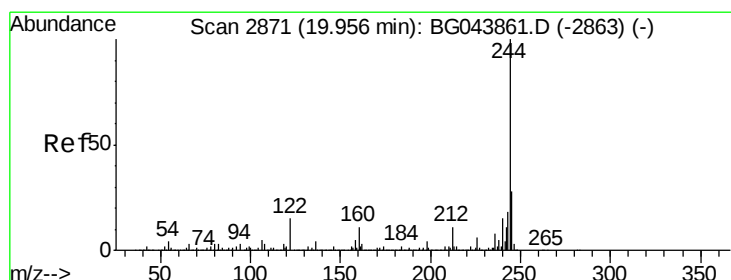
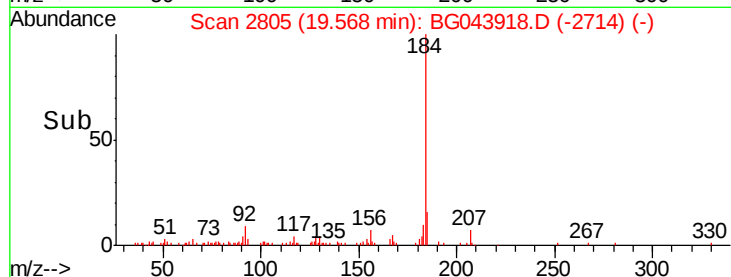
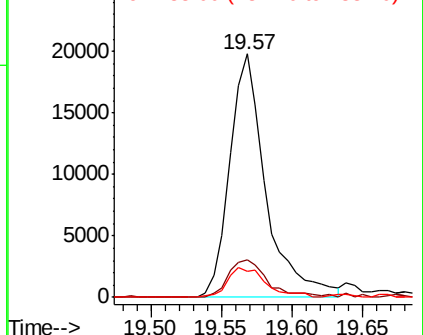


Abundance

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: 96.245 ng

RT: 19.96 min Scan# 2871

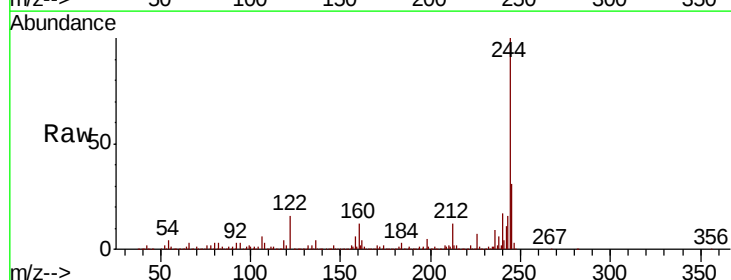
Delta R.T. -0.00 min

Lab File: BG043918.D

Acq: 4 Jan 2020 12:14

Tgt Ion:244 Resp: 2705514

Ion	Ratio	Lower	Upper
244	100		
212	12.2	8.6	13.0
122	16.3	11.9	17.9

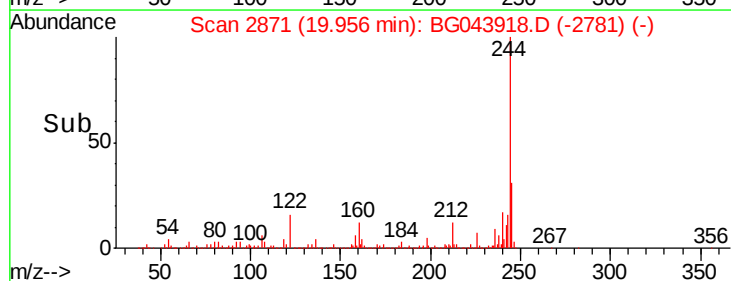
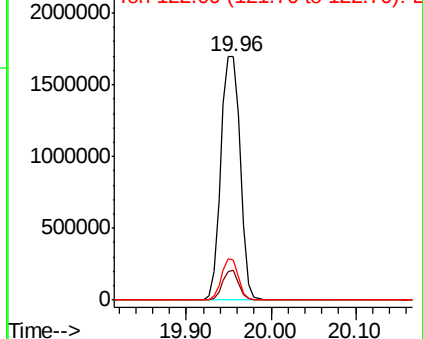


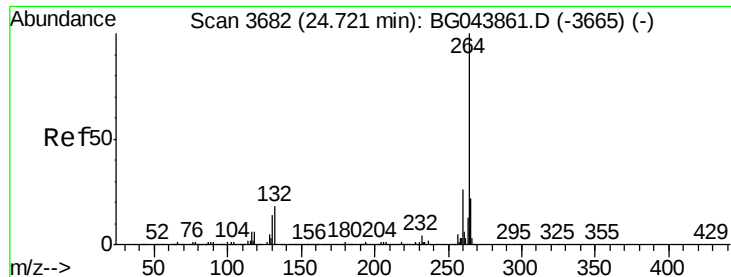
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

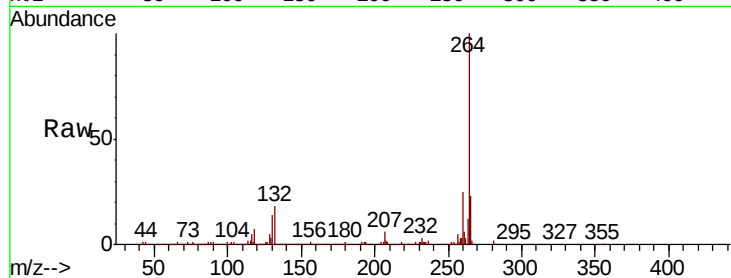
Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.71 min Scan# 3681
 Delta R.T. -0.01 min
 Lab File: BG043918.D
 Acq: 4 Jan 2020 12:14

Tot Ion:	264	Resp:	758565
Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.4	30.6
265	23.3	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

