

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010320\
 Data File : BG043914.D
 Acq On : 4 Jan 2020 9:38
 Operator : JU
 Sample : K6113-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jan 06 04:29:43 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	7.97	152	123343	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	523883	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	347159	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	772212	20.00	ng	0.00
76) Chrysene-d12	21.59	240	674047	20.00	ng	0.00
87) Perylene-d12	24.72	264	741664	20.00	ng	0.00

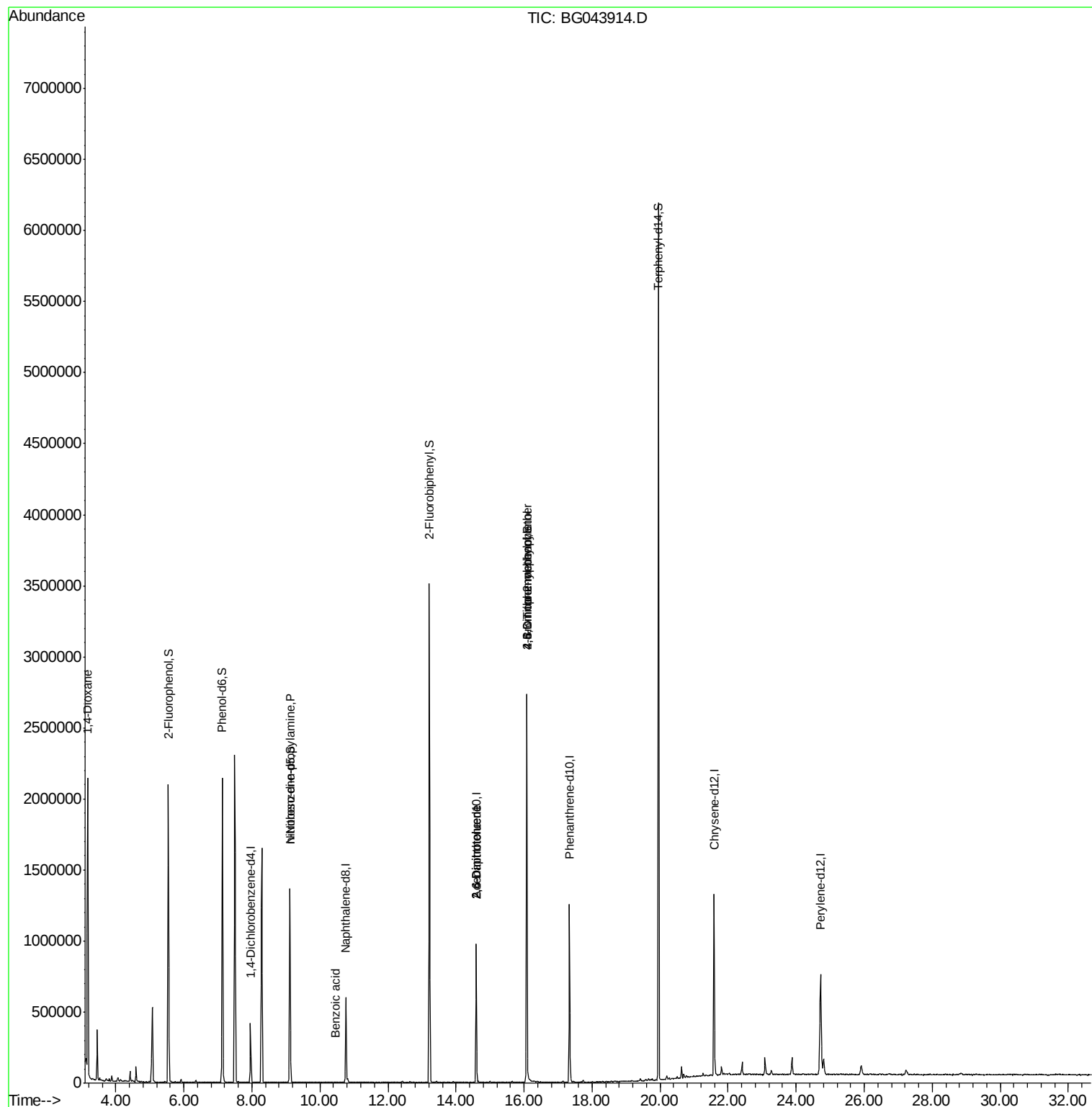
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	973446	144.91	ng	0.00
7) Phenol-d6	7.13	99	1289880	137.37	ng	0.00
23) Nitrobenzene-d5	9.12	82	838478	85.62	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	480935	132.38	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1778594	92.82	ng	0.00
79) Terphenyl-d14	19.95	244	2518700	92.06	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.17	88	22257	7.599	ng	# 1
19) n-Nitroso-di-n-propylamine	9.12	70	112906	16.146	ng	# 76
32) Benzoic acid	10.46	122	54	6.270	ng	# 35
51) 2,6-Dinitrotoluene	14.59	165	45528	8.172	ng	# 26
57) 2,4-Dinitrotoluene	14.59	165	45528	6.006	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.08	198	1954	4.836	ng	# 1
67) 4-Bromophenyl-phenylether	16.08	248	34182	3.936	ng	# 1

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

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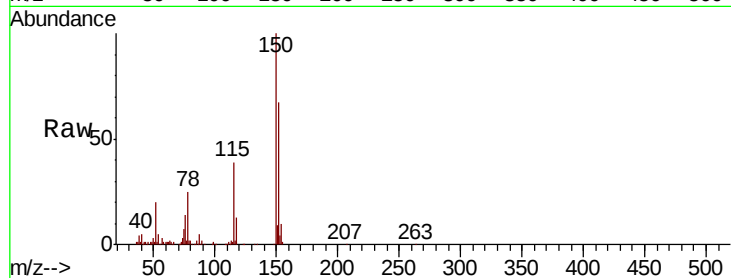




#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BG043914.D
Acq: 4 Jan 2020 9:38

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.2	127.0	190.4
115	58.3	47.8	71.8

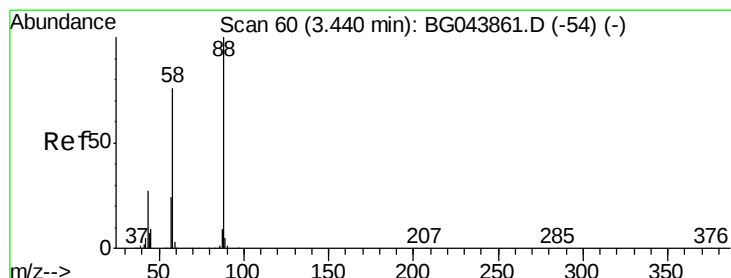
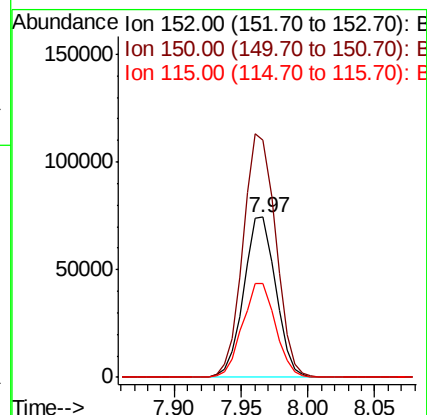
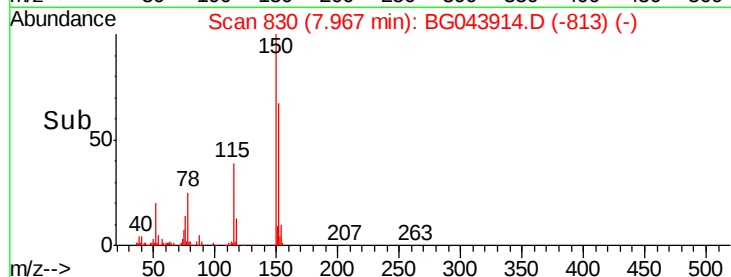


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

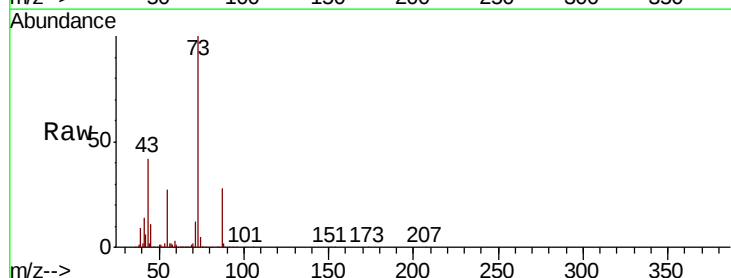
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 7.599 ng
RT: 3.17 min Scan# 13
Delta R.T. -0.27 min
Lab File: BG043914.D
Acq: 4 Jan 2020 9:38

Tgt Ion	Ratio	Lower	Upper
88	100		
58	30.0	59.8	89.8#
43	2407.7	22.9	34.3#

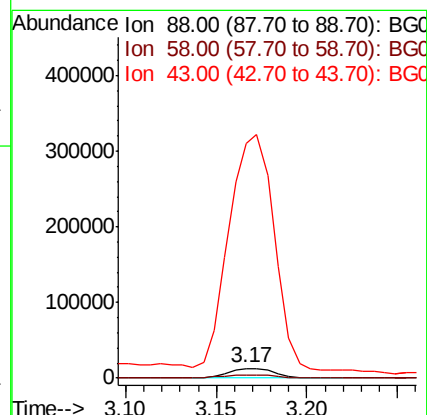
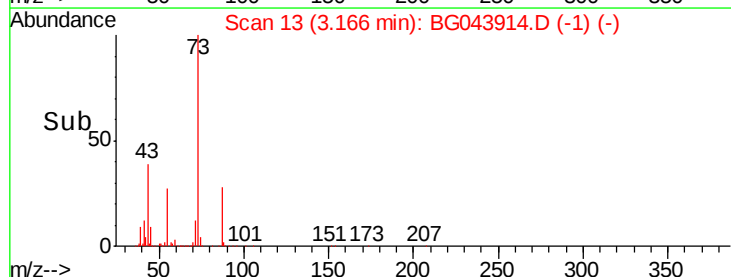


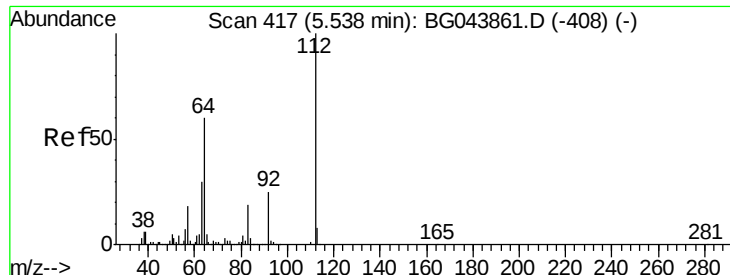
Abundance

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: 144.910 ng

RT: 5.55 min Scan# 418

Delta R.T. 0.01 min

Lab File: BG043914.D

Acq: 4 Jan 2020 9:38

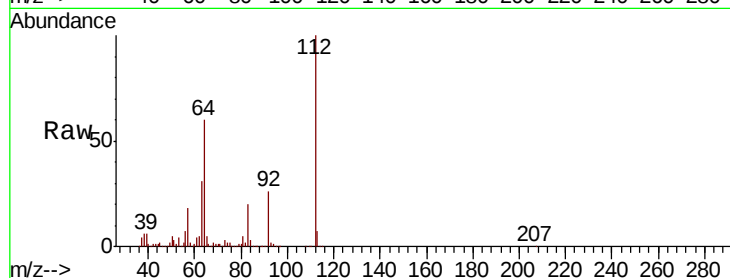
Tot Ion: 112 Resp: 973446

Ion Ratio Lower Upper

112 100

64 60.3 47.8 71.6

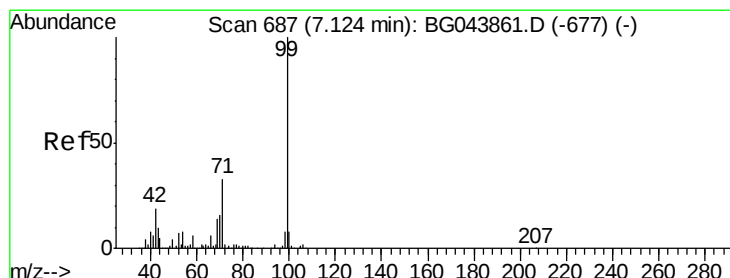
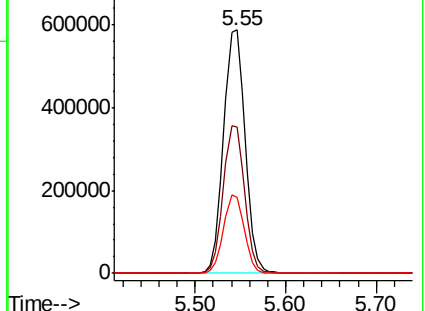
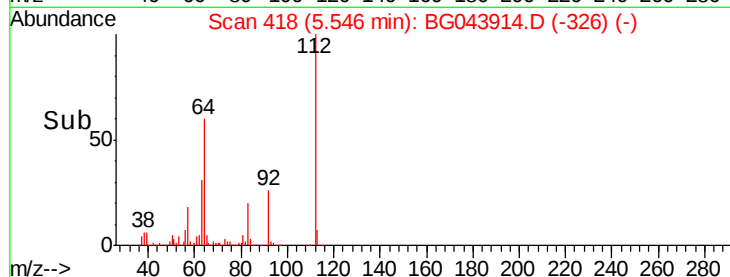
63 31.1 24.3 36.5



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: 137.368 ng

RT: 7.13 min Scan# 688

Delta R.T. 0.01 min

Lab File: BG043914.D

Acq: 4 Jan 2020 9:38

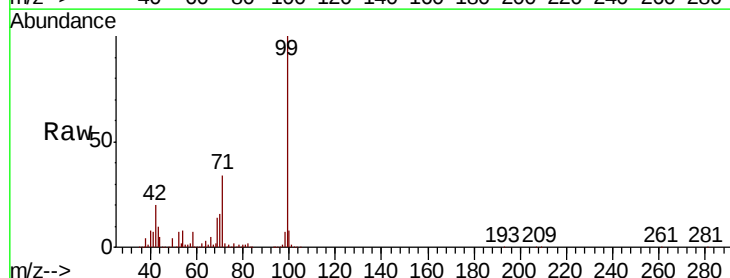
Tgt Ion: 99 Resp: 1289880

Ion Ratio Lower Upper

99 100

42 19.6 14.9 22.3

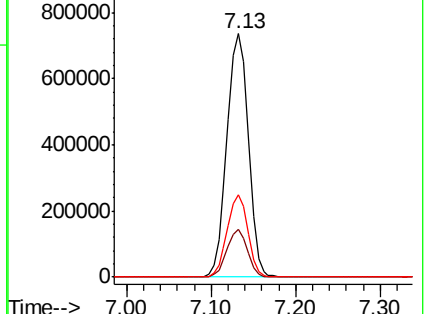
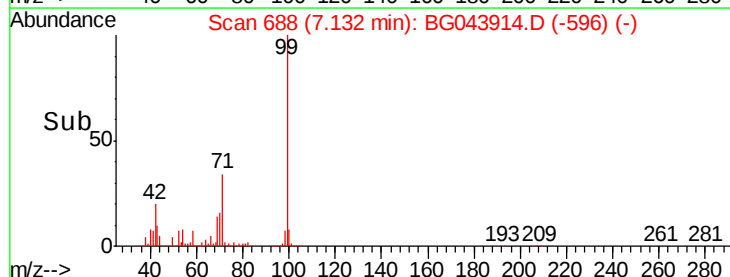
71 34.0 26.4 39.6



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: 16.146 ng

RT: 9.12 min Scan# 1026

Delta R.T. 0.35 min

Lab File: BG043914.D

Acq: 4 Jan 2020 9:38

Tot Ion: 70 Resp: 112906

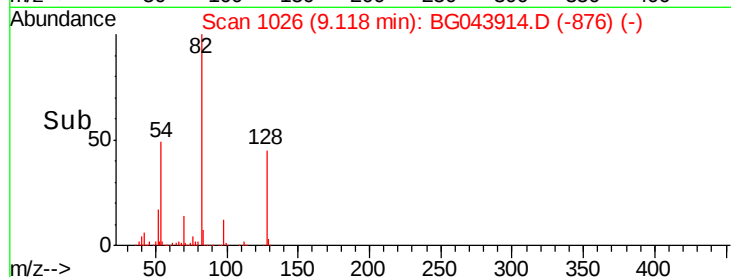
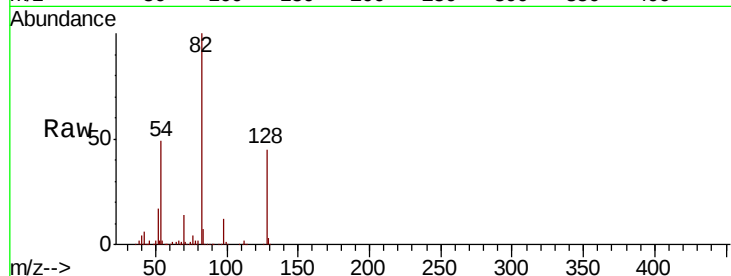
Ion Ratio Lower Upper

70 100

42 44.7 47.0 70.4#

101 0.0 7.2 10.8#

130 2.2 15.6 23.4#

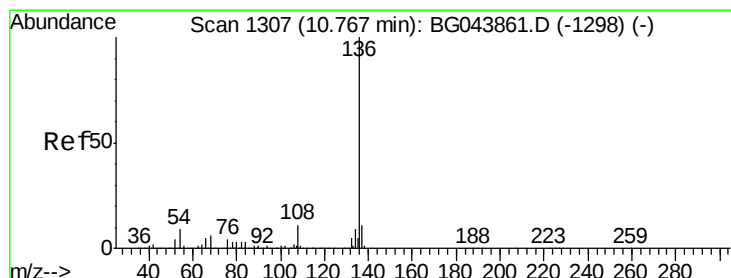
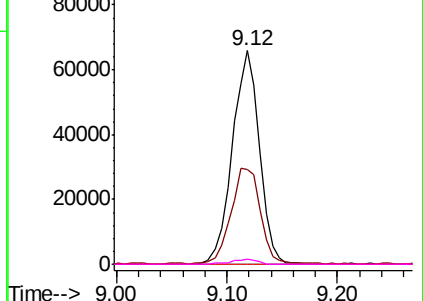


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.76 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BG043914.D

Acq: 4 Jan 2020 9:38

Tgt Ion: 136 Resp: 523883

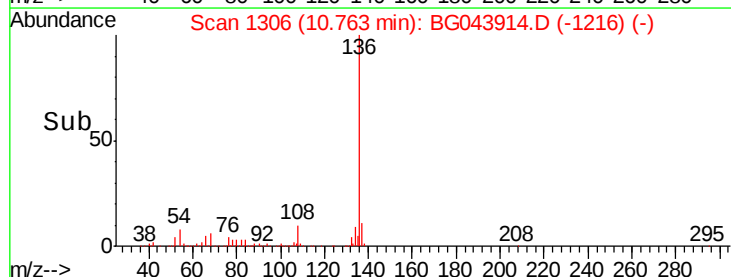
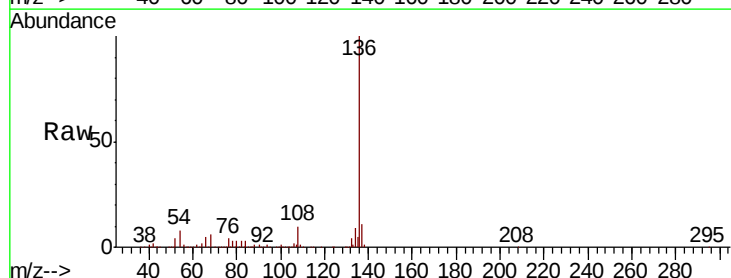
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 7.9 7.0 10.4

68 6.3 4.9 7.3

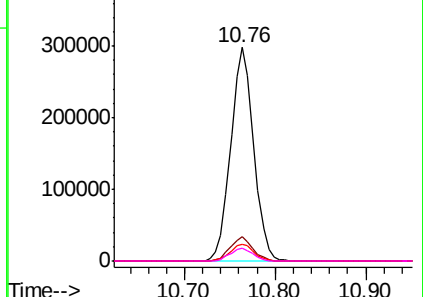


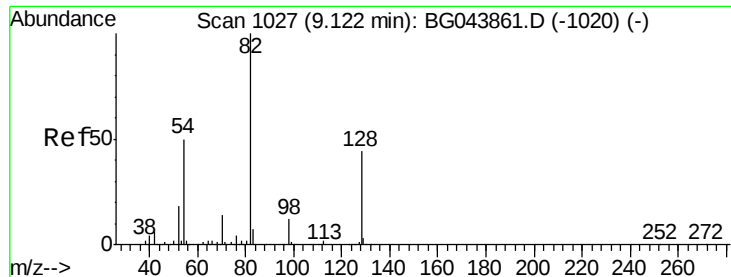
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC





#23

Nitrobenzene-d5

Concen: 85.620 ng

RT: 9.12 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BG043914.D

Acq: 4 Jan 2020 9:38

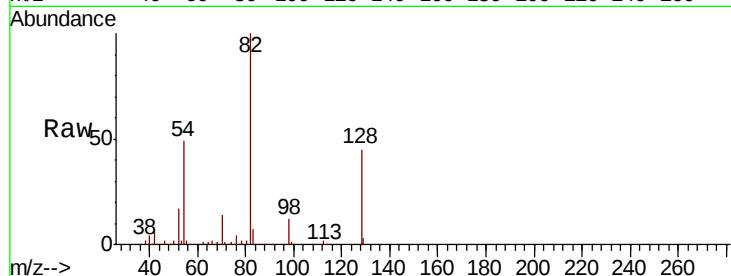
Tot Ion: 82 Resp: 838478

Ion Ratio Lower Upper

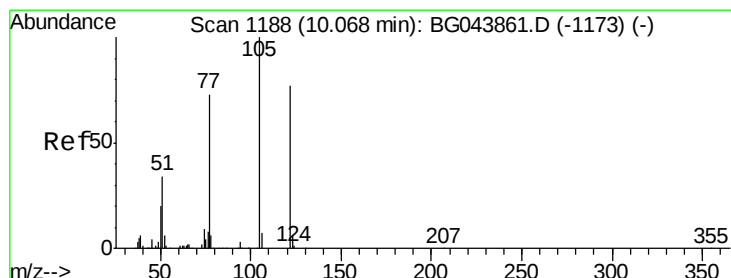
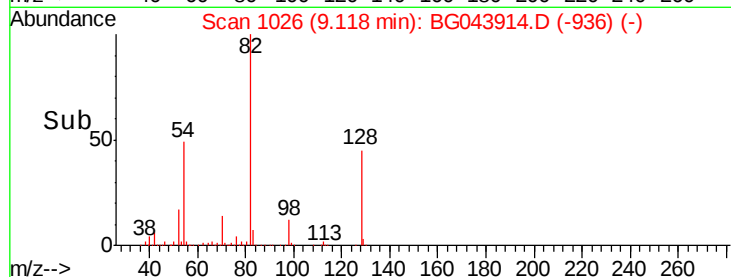
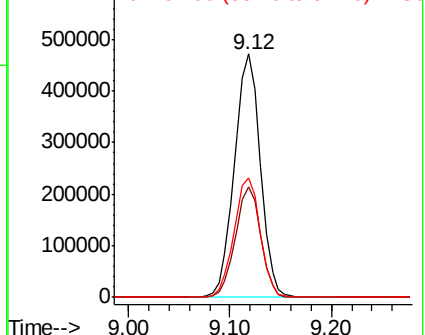
82 100

128 45.2 35.1 52.7

54 48.9 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: 10.46 min Scan# 1255

Delta R.T. 0.40 min

Lab File: BG043914.D

Acq: 4 Jan 2020 9:38

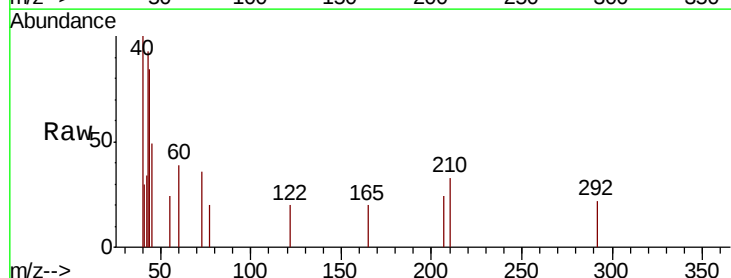
Tgt Ion: 122 Resp: 54

Ion Ratio Lower Upper

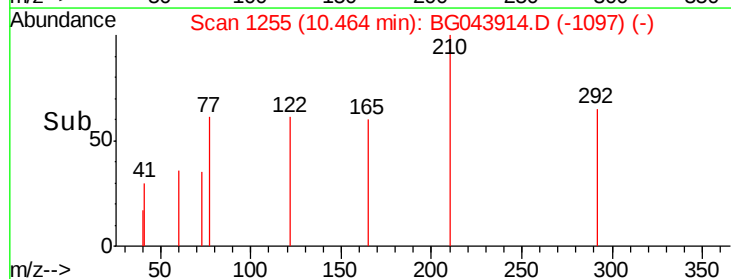
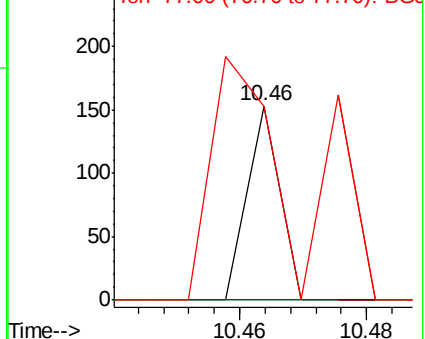
122 100

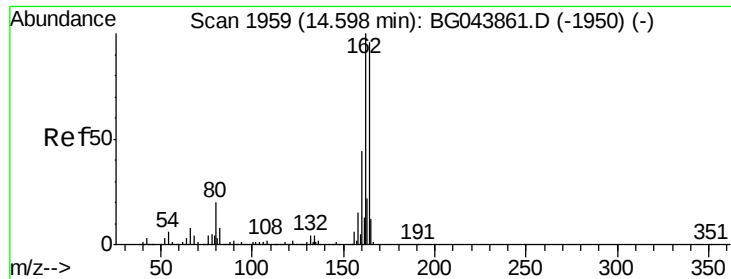
105 0.0 106.4 146.4#

77 100.0 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: BG043914.D

Acq: 4 Jan 2020 9:38

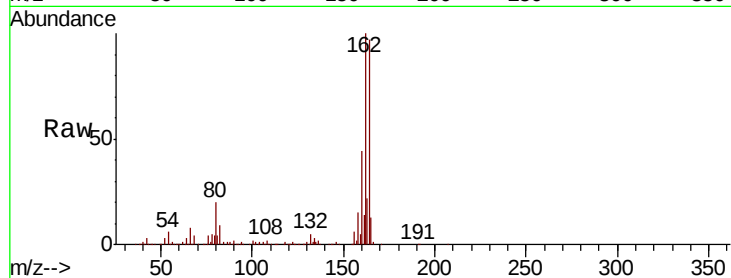
Tot Ion:164 Resp: 347159

Ion Ratio Lower Upper

164 100

162 103.2 83.0 124.4

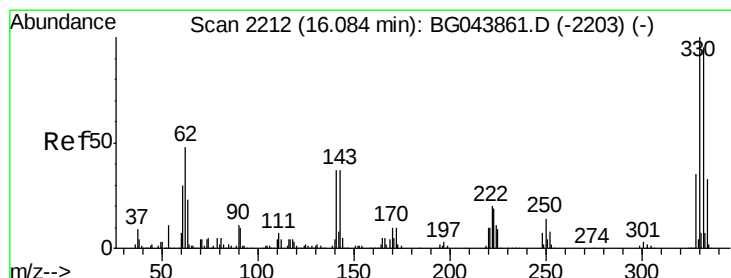
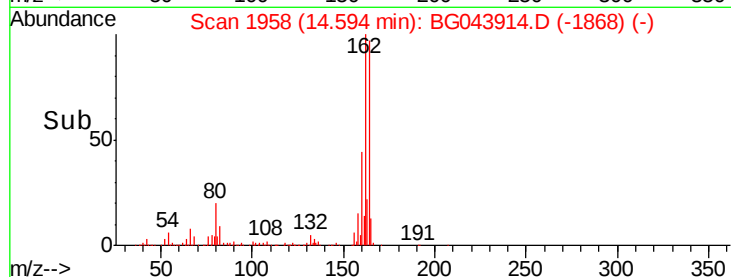
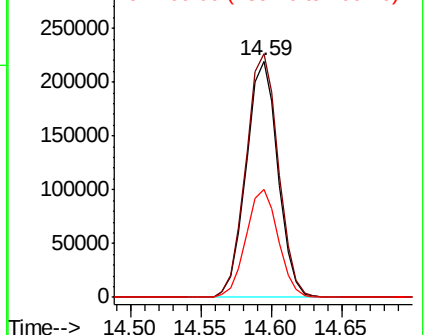
160 45.8 36.1 54.1



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: 132.381 ng

RT: 16.08 min Scan# 2211

Delta R.T. -0.00 min

Lab File: BG043914.D

Acq: 4 Jan 2020 9:38

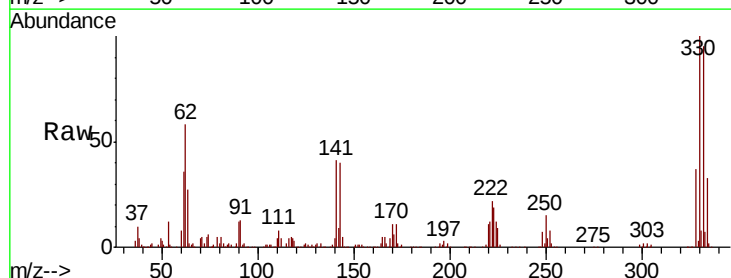
Tgt Ion:330 Resp: 480935

Ion Ratio Lower Upper

330 100

332 95.9 77.2 115.8

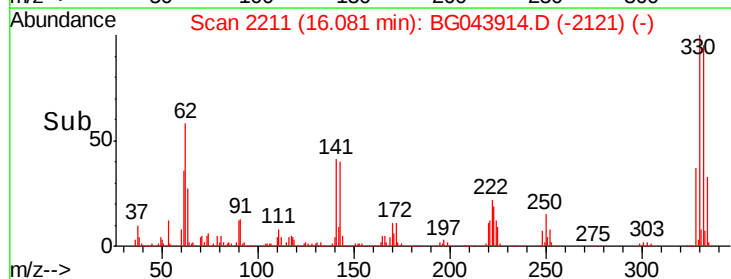
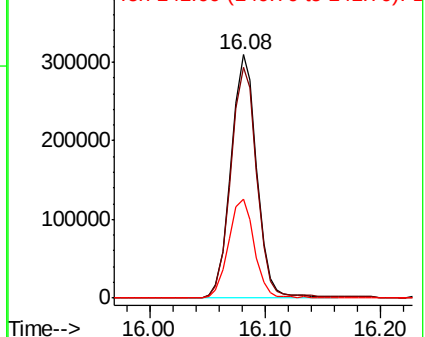
141 41.1 33.1 49.7

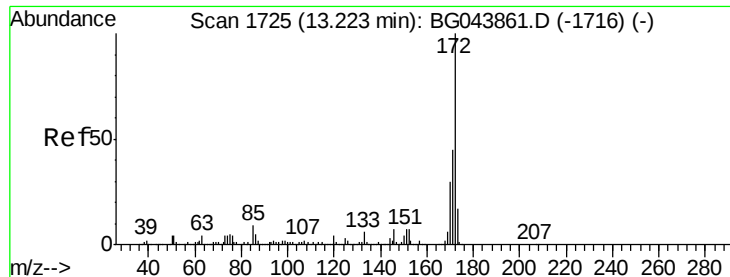


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

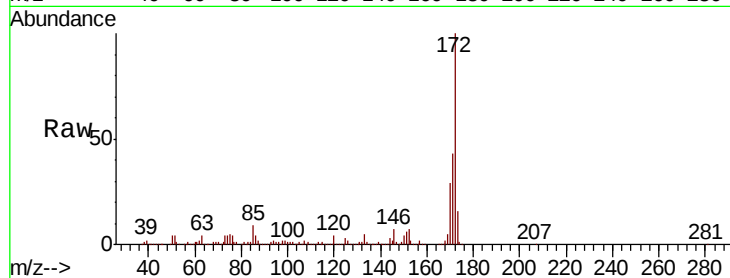
Ion 141.00 (140.70 to 141.70): E



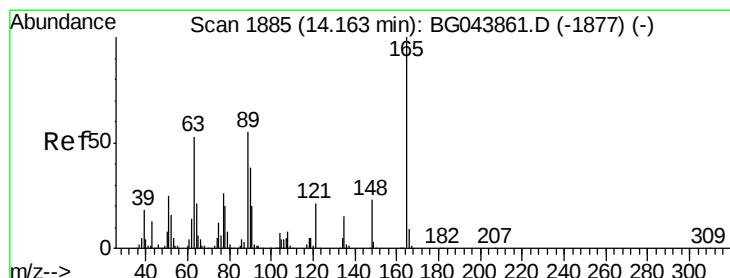
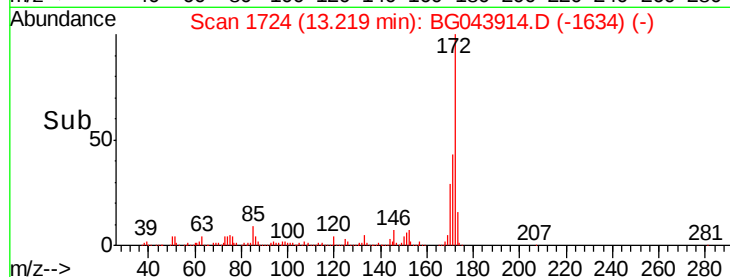
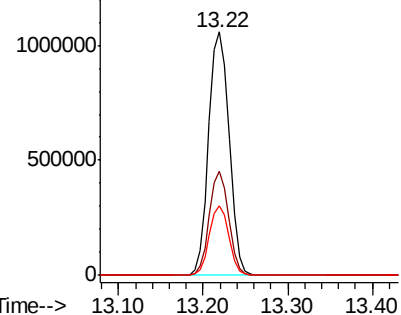


#45
2-Fluorobiphenyl
Concen: 92.822 ng
RT: 13.22 min Scan# 1724
Delta R.T. -0.00 min
Lab File: BG043914.D
Acq: 4 Jan 2020 9:38

Tot Ion:172 Resp: 1778594
Ion Ratio Lower Upper
172 100
171 42.7 35.8 53.8
170 28.7 24.2 36.4

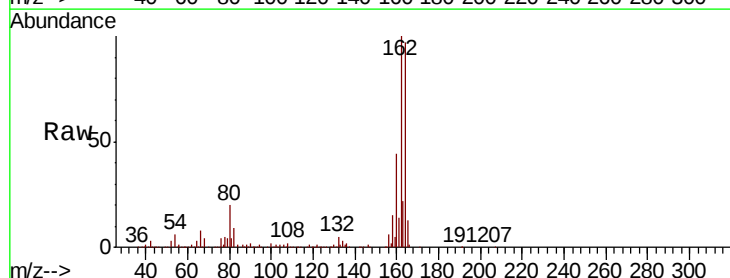


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

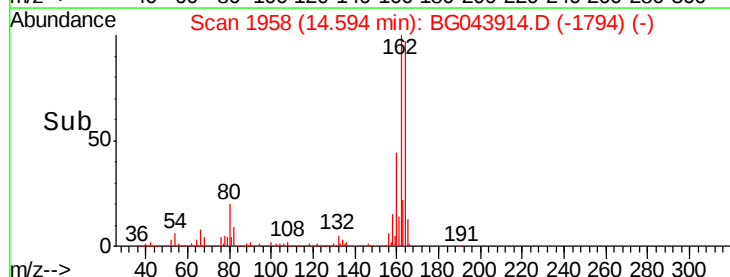
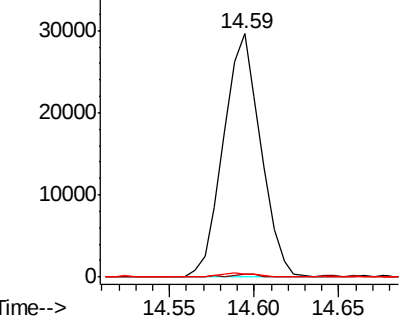


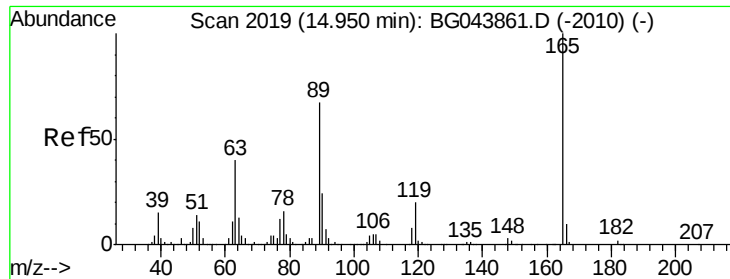
#51
2,6-Dinitrotoluene
Concen: 8.172 ng
RT: 14.59 min Scan# 1958
Delta R.T. 0.43 min
Lab File: BG043914.D
Acq: 4 Jan 2020 9:38

Tgt Ion:165 Resp: 45528
Ion Ratio Lower Upper
165 100
63 1.1 43.1 64.7#
89 1.4 43.8 65.6#



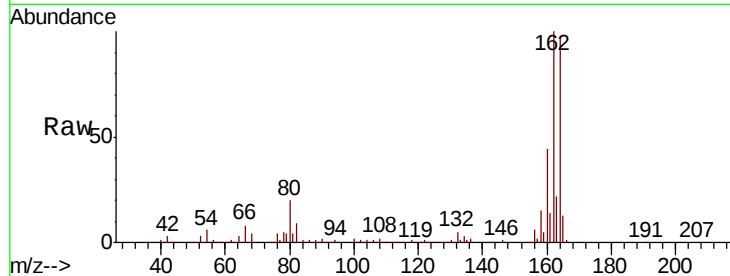
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG0
Ion 89.00 (88.70 to 89.70): BG0





#57
 2,4-Dinitrotoluene
 Concen: 6.006 ng
 RT: 14.59 min Scan# 1958
 Delta R.T. -0.36 min
 Lab File: BG043914.D
 Acq: 4 Jan 2020 9:38

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	31.9	47.9#
89	1.4	53.8	80.6#
182	0.0	2.0	3.0#



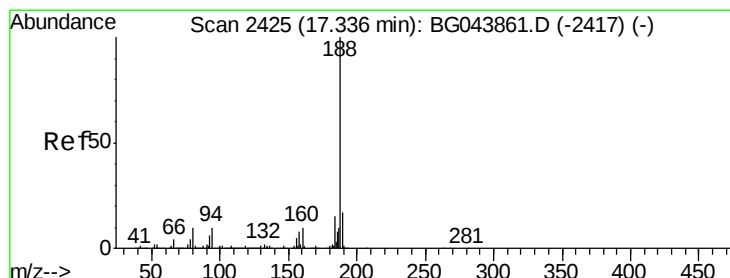
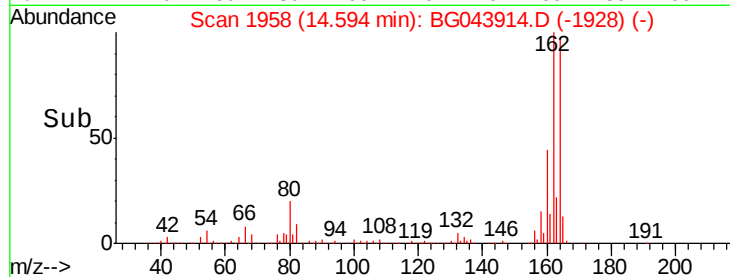
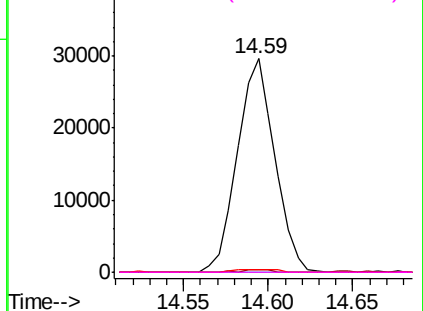
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

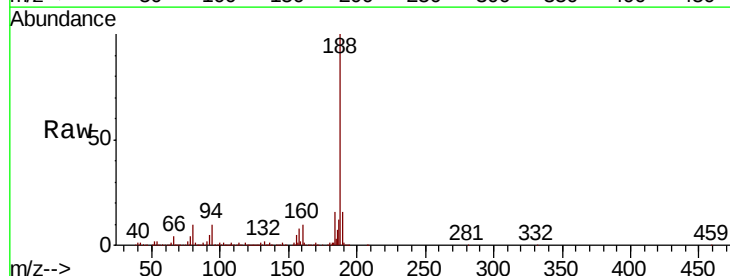
Ion 89.00 (88.70 to 89.70): BGC

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: BG043914.D
 Acq: 4 Jan 2020 9:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.9	11.9
80	10.3	8.2	12.4

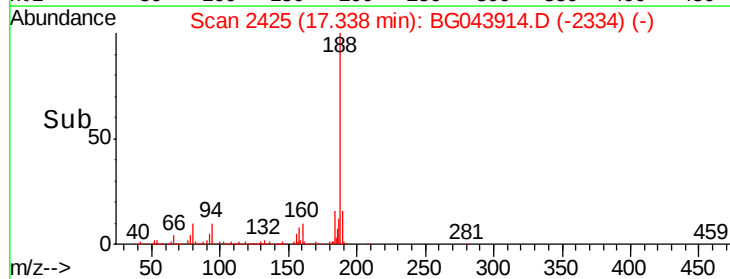
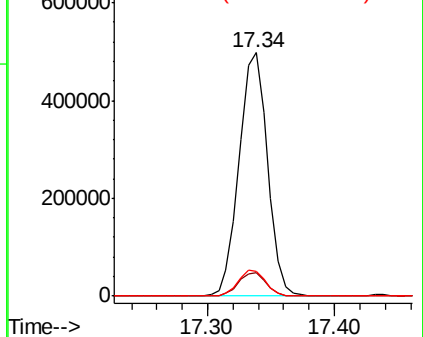


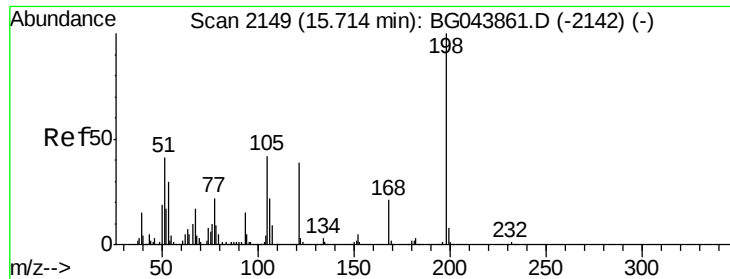
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

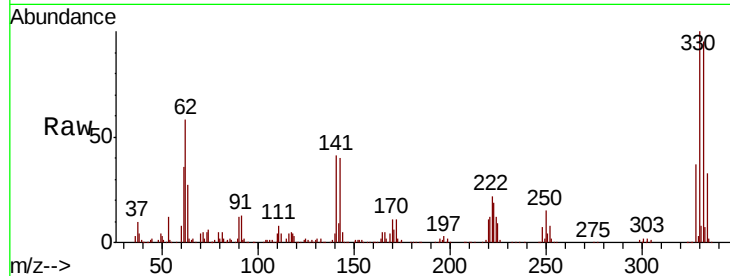
Ion 80.00 (79.70 to 80.70): BGC



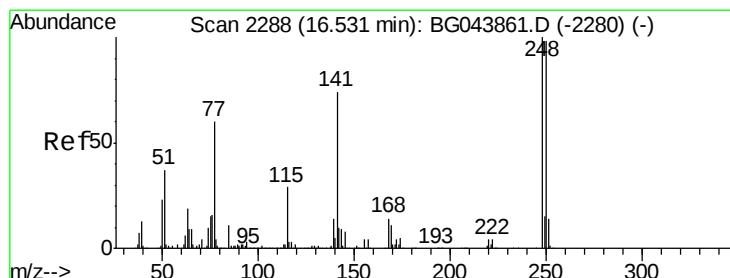
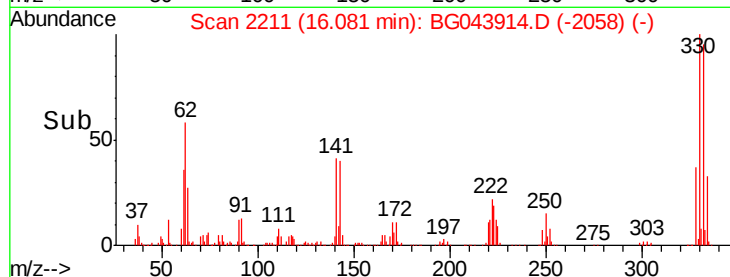
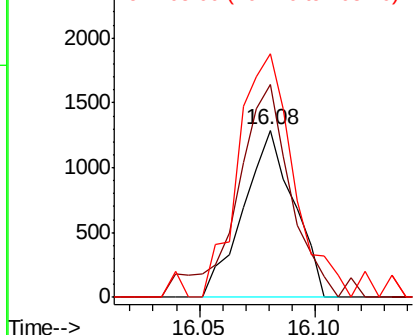


#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.836 ng
 RT: 16.08 min Scan# 2211
 Delta R.T. 0.37 min
 Lab File: BG043914.D
 Acq: 4 Jan 2020 9:38

Tot Ion	Ratio	Lower	Upper
198	100		
51	127.3	22.5	62.5#
105	145.8	22.3	62.3#

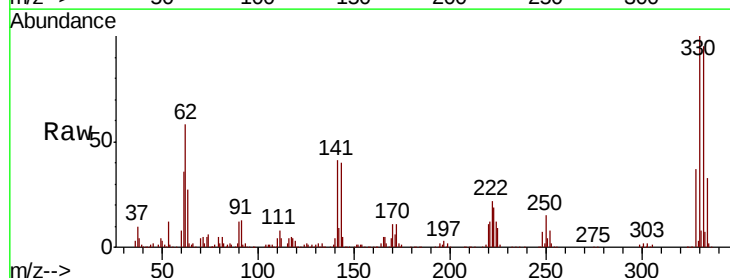


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

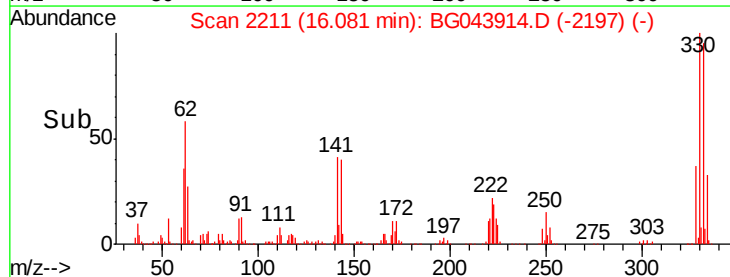
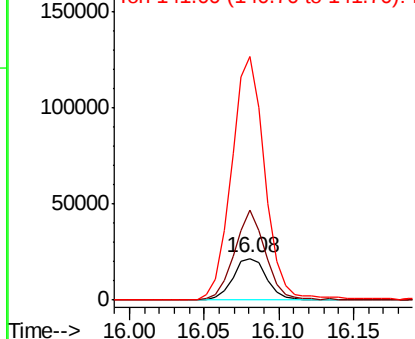


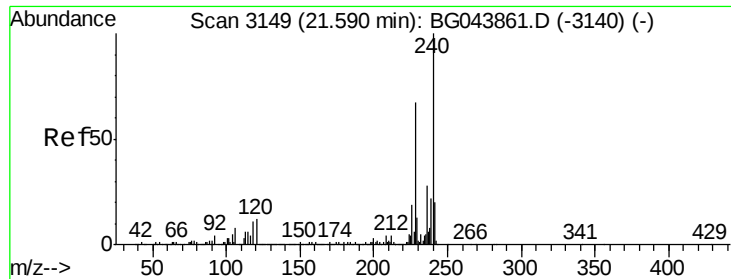
#67
 4-Bromophenyl-phenylether
 Concen: 3.936 ng
 RT: 16.08 min Scan# 2211
 Delta R.T. -0.45 min
 Lab File: BG043914.D
 Acq: 4 Jan 2020 9:38

Tgt Ion	Ratio	Lower	Upper
248	100		
250	216.7	78.2	117.2#
141	586.0	59.3	88.9#



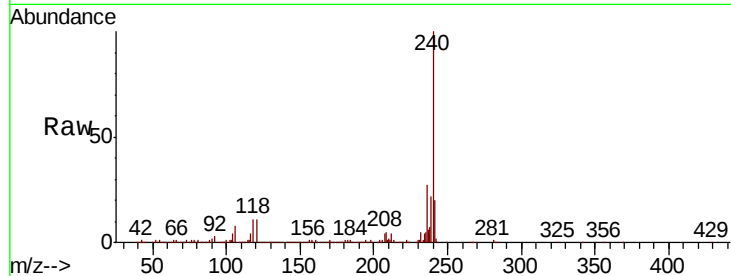
Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.59 min Scan# 3148
Delta R.T. -0.00 min
Lab File: BG043914.D
Acq: 4 Jan 2020 9:38

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.6	14.4
236	27.5	22.2	33.2

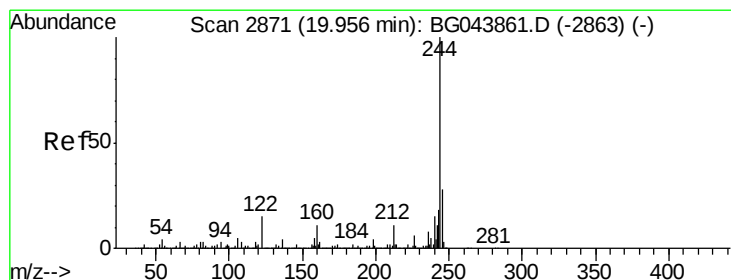
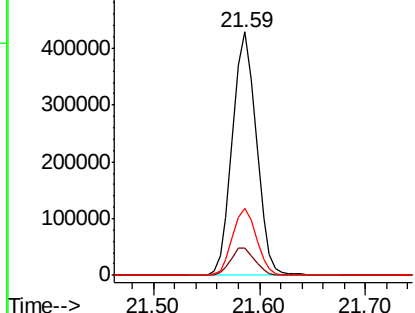
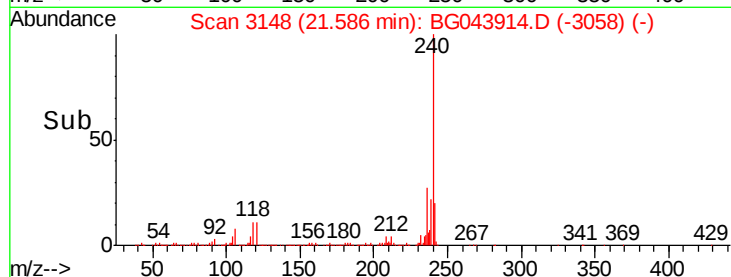


Abundance

Ion 240.00 (239.70 to 240.70): E

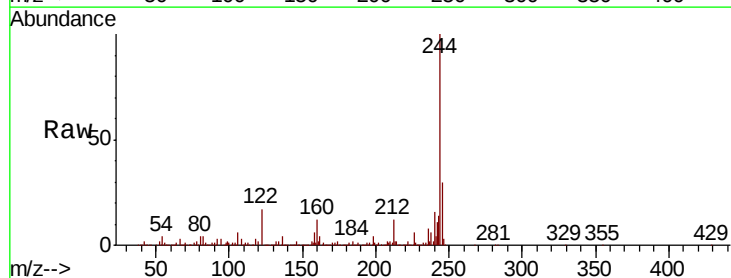
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#79
Terphenyl-d14
Concen: 92.057 ng
RT: 19.95 min Scan# 2870
Delta R.T. -0.00 min
Lab File: BG043914.D
Acq: 4 Jan 2020 9:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	11.9	8.6	13.0
122	16.7	11.9	17.9

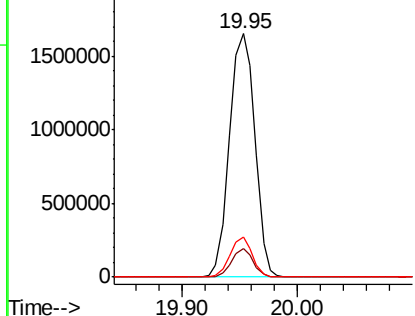
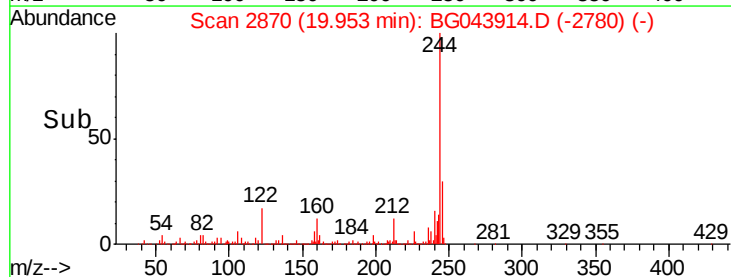


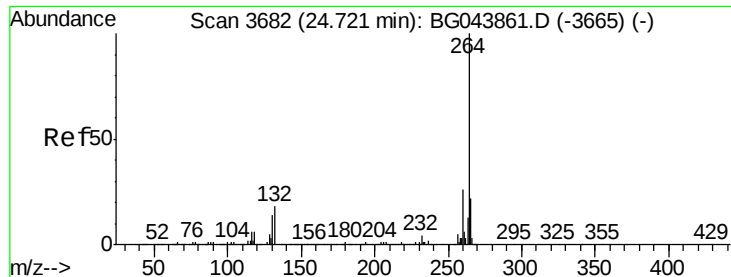
Abundance

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. -0.00 min
Lab File: BG043914.D
Acq: 4 Jan 2020 9:38

Tot	Ion:264	Resp:	741664
Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.4	30.6
265	21.8	17.4	26.2

