

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010320\
 Data File : BG043924.D
 Acq On : 4 Jan 2020 16:09
 Operator : JU
 Sample : K6315-03
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

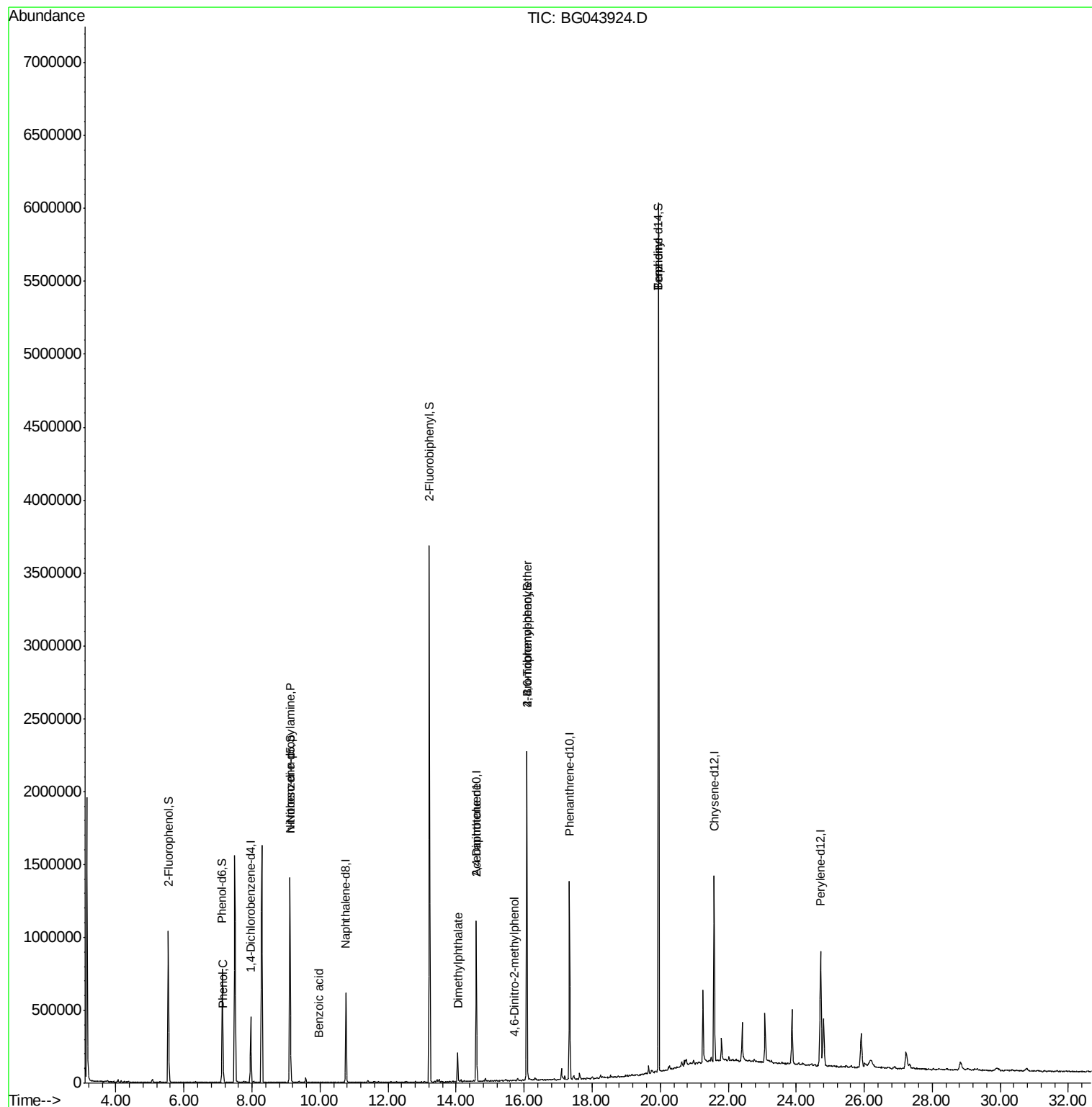
Quant Time: Jan 06 04:32:31 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

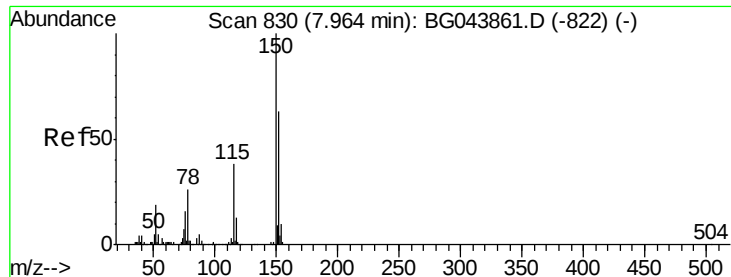
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	128850	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	552340	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	382036	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	827409	20.00	ng	0.00
76) Chrysene-d12	21.59	240	702514	20.00	ng	0.00
87) Perylene-d12	24.72	264	778454	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	487777	69.51	ng	0.00
7) Phenol-d6	7.13	99	484373	49.38	ng	0.00
23) Nitrobenzene-d5	9.12	82	861050	83.40	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	390484	97.67	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1877700	89.05	ng	0.00
79) Terphenyl-d14	19.95	244	2485544	85.42	ng	0.00
Target Compounds						
10) Phenol	7.15	94	41259	4.082	ng	99
19) n-Nitroso-di-n-propylamine	9.12	70	113467	15.533	ng	# 79
32) Benzoic acid	9.96	122	118	6.279	ng	# 1
50) Dimethylphthalate	14.05	163	140284	5.172	ng	98
57) 2,4-Dinitrotoluene	14.59	165	51382	6.159	ng	# 27
65) 4,6-Dinitro-2-methylphenol	15.72	198	62	4.403	ng	# 1
67) 4-Bromophenyl-phenylether	16.08	248	28895	3.105	ng	# 1
77) Benzidine	19.95	184	52909	2.996	ng	# 94

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

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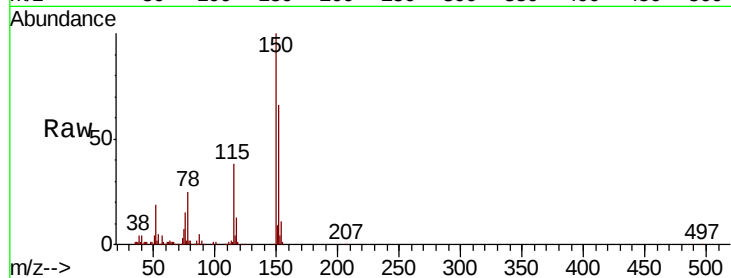




#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BG043924.D
Acq: 4 Jan 2020 16:09

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	127.0	190.4
115	58.4	47.8	71.8

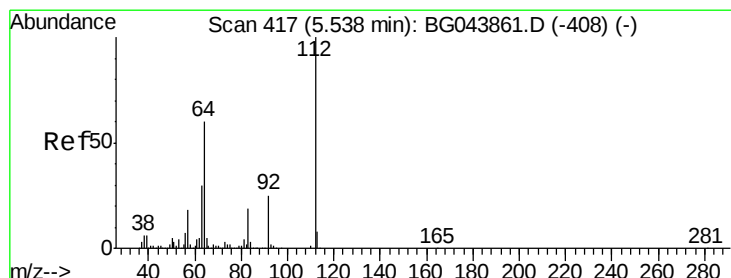
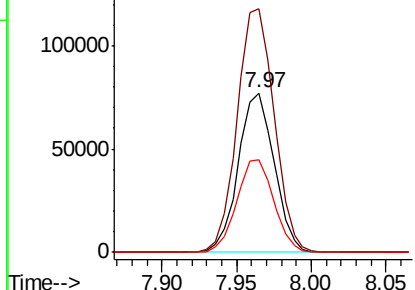
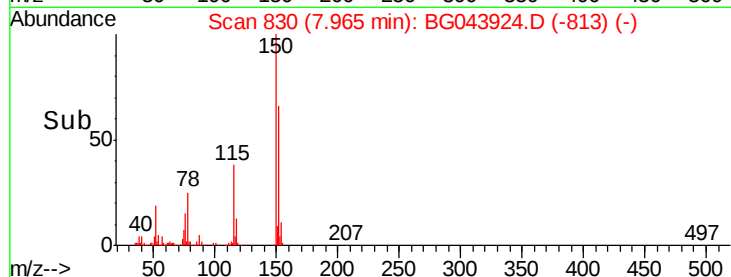


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

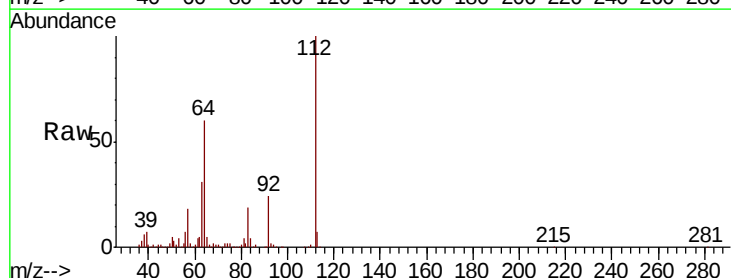
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 69.509 ng
RT: 5.54 min Scan# 417
Delta R.T. 0.00 min
Lab File: BG043924.D
Acq: 4 Jan 2020 16:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	47.8	71.6
63	31.4	24.3	36.5

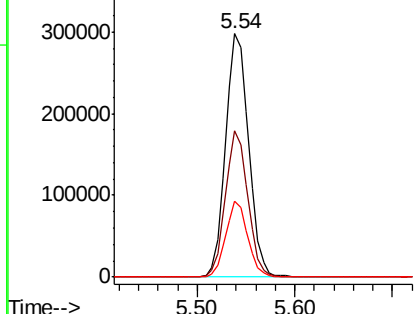
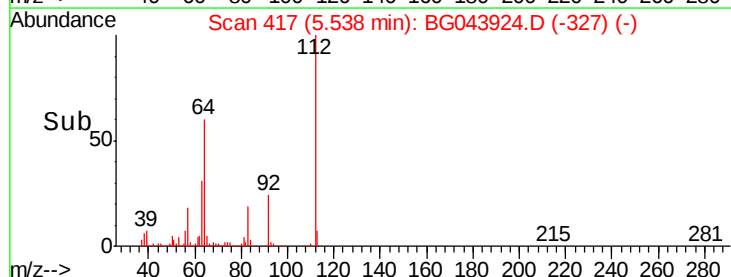


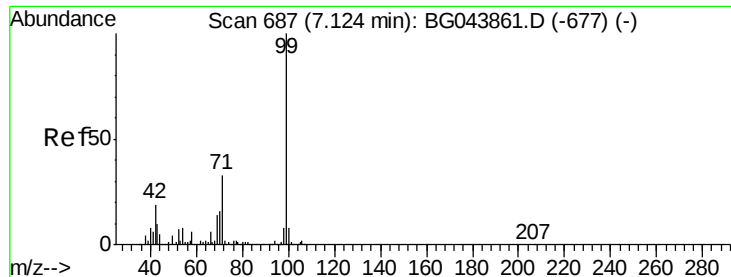
Abundance

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: 49.379 ng

RT: 7.13 min Scan# 688

Delta R.T. 0.01 min

Lab File: BG043924.D

Acq: 4 Jan 2020 16:09

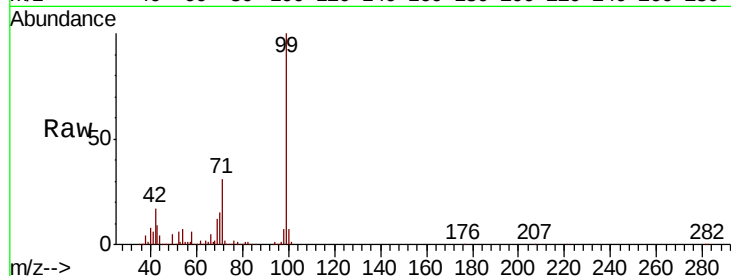
Tot Ion: 99 Resp: 484373

Ion Ratio Lower Upper

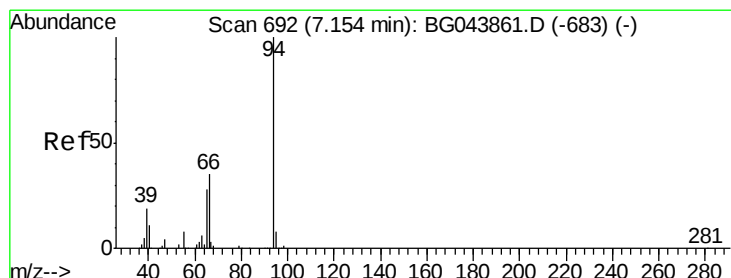
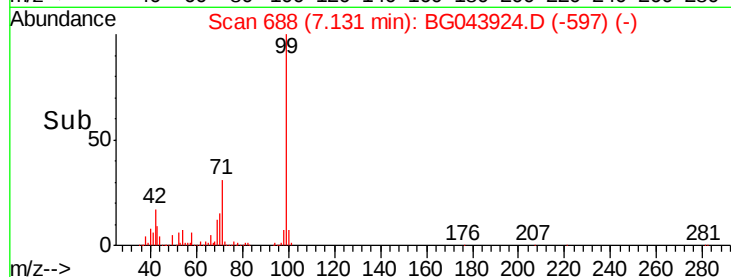
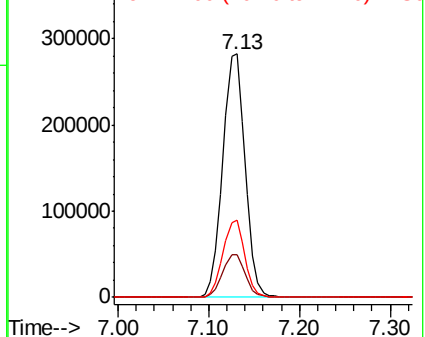
99 100

42 17.5 14.9 22.3

71 31.5 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: 4.082 ng

RT: 7.15 min Scan# 692

Delta R.T. 0.00 min

Lab File: BG043924.D

Acq: 4 Jan 2020 16:09

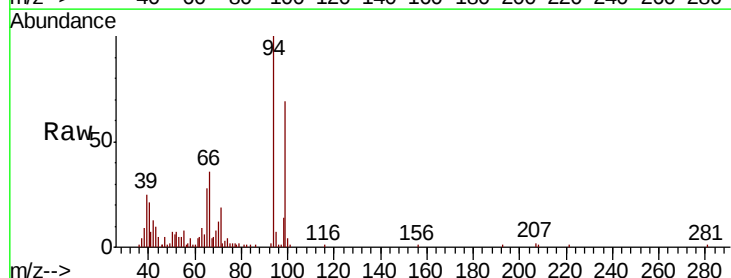
Tgt Ion: 94 Resp: 41259

Ion Ratio Lower Upper

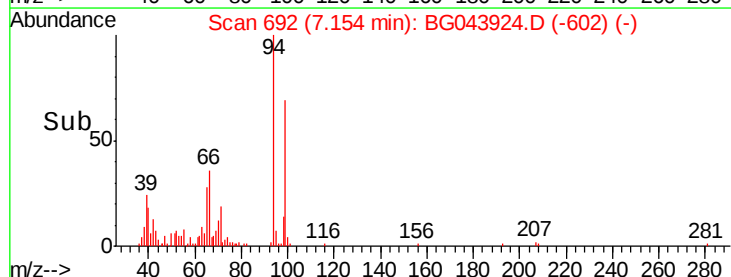
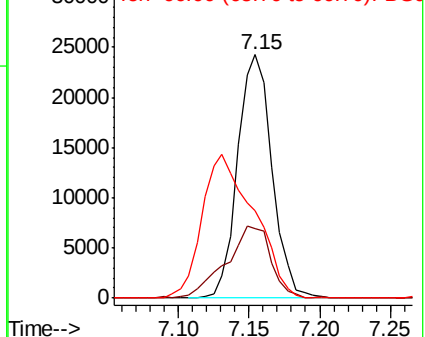
94 100

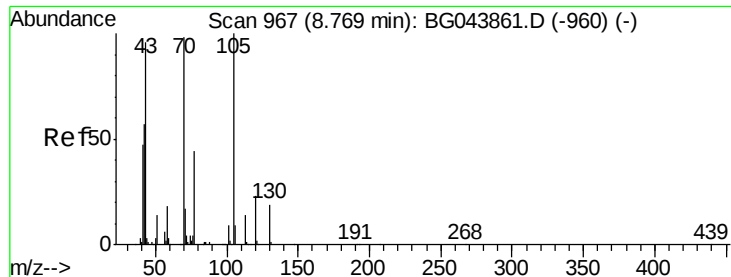
65 28.5 8.1 48.1

66 36.0 15.6 55.6



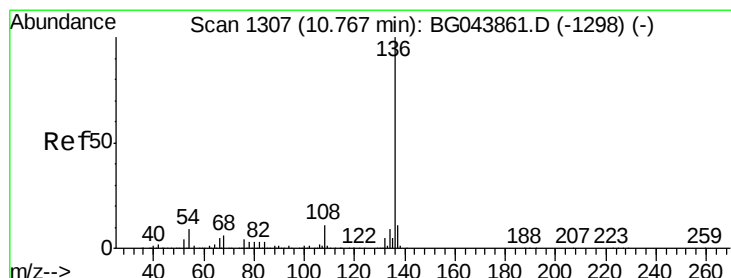
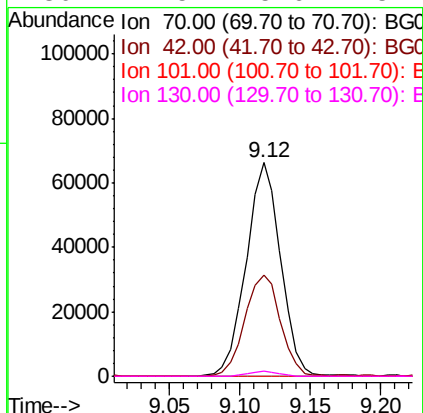
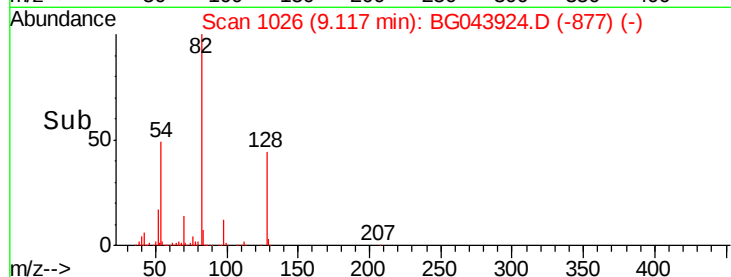
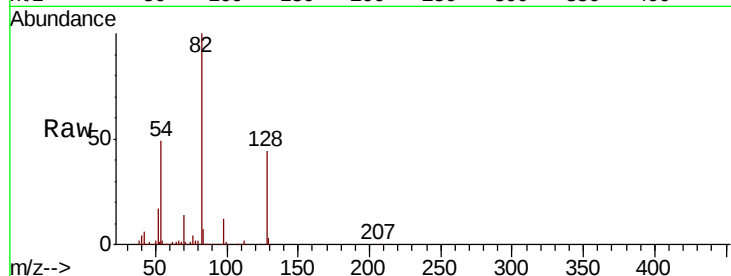
Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





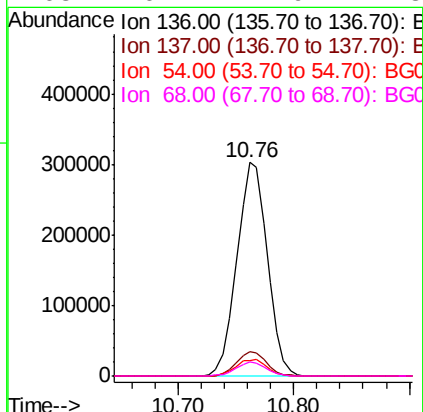
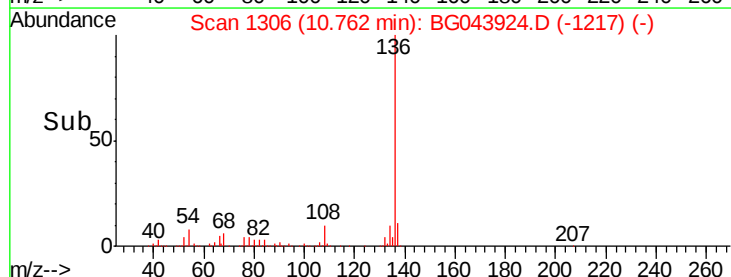
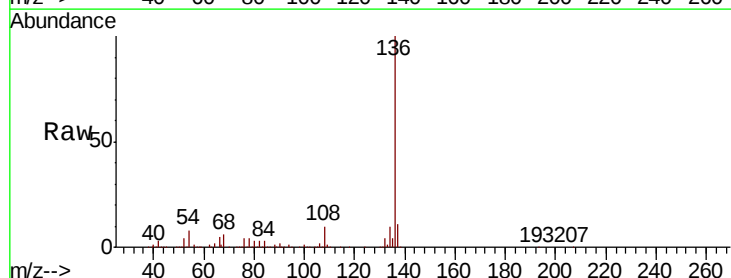
#19
n-Nitroso-di-n-propylamine
Concen: 15.533 ng
RT: 9.12 min Scan# 1026
Delta R.T. 0.35 min
Lab File: BG043924.D
Acq: 4 Jan 2020 16:09

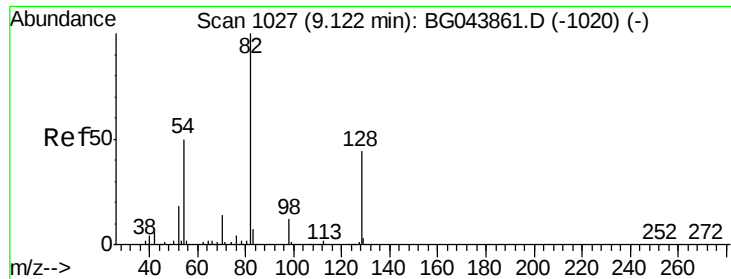
Tot Ion: 70 Resp: 113467
Ion Ratio Lower Upper
70 100
42 47.5 47.0 70.4
101 0.0 7.2 10.8#
130 2.5 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BG043924.D
Acq: 4 Jan 2020 16:09

Tgt Ion: 136 Resp: 552340
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.5 7.0 10.4
68 6.4 4.9 7.3





#23

Nitrobenzene-d5

Concen: 83.395 ng

RT: 9.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BG043924.D

Acq: 4 Jan 2020 16:09

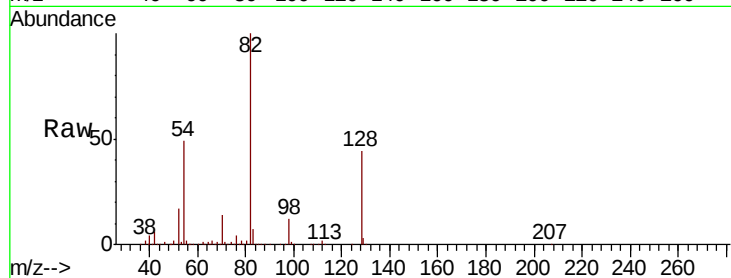
Tot Ion: 82 Resp: 861050

Ion Ratio Lower Upper

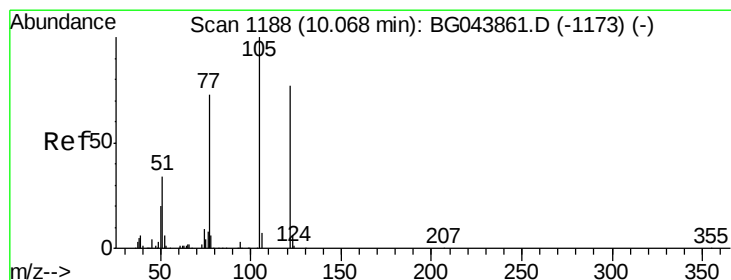
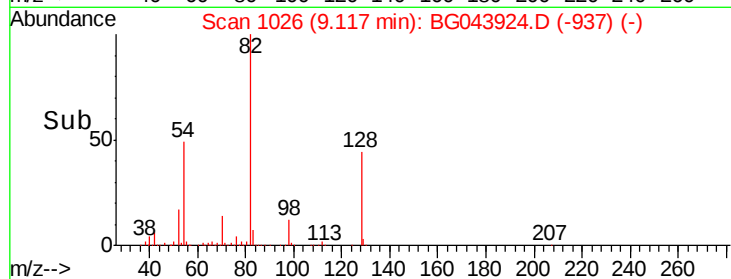
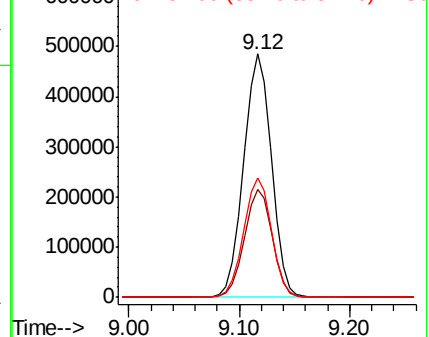
82 100

128 44.4 35.1 52.7

54 49.3 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: 6.279 ng

RT: 9.96 min Scan# 1169

Delta R.T. -0.11 min

Lab File: BG043924.D

Acq: 4 Jan 2020 16:09

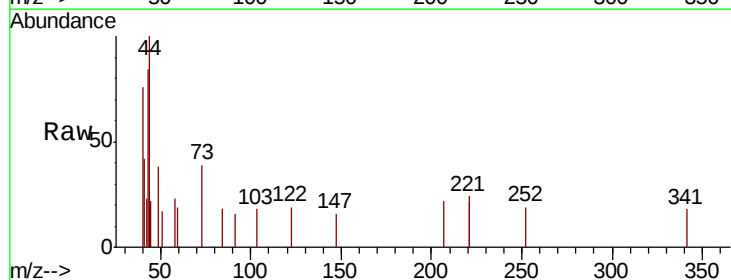
Tgt Ion: 122 Resp: 118

Ion Ratio Lower Upper

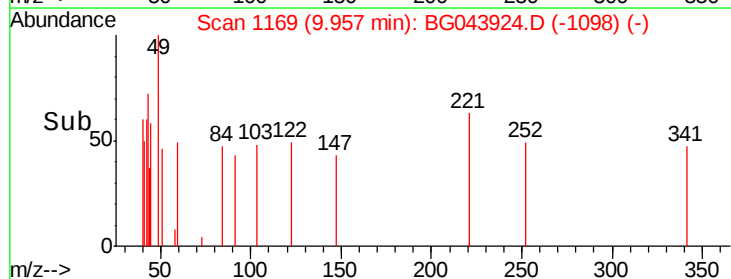
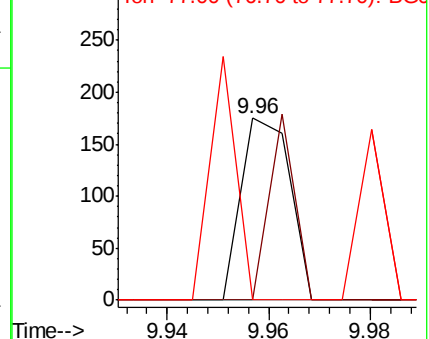
122 100

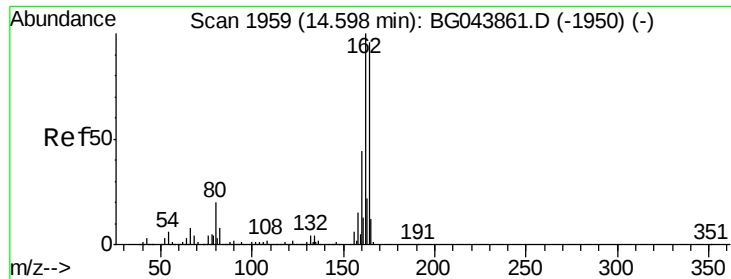
105 0.0 106.4 146.4#

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: BG043924.D

Acq: 4 Jan 2020 16:09

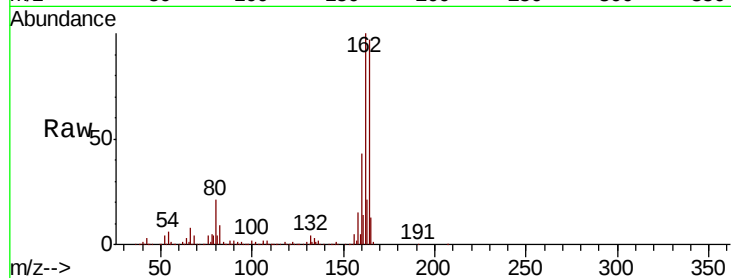
Tot Ion:164 Resp: 382036

Ion Ratio Lower Upper

164 100

162 102.7 83.0 124.4

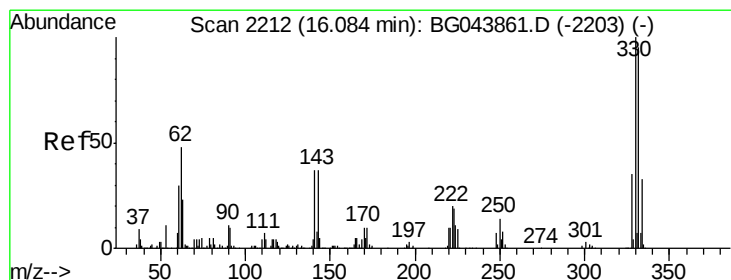
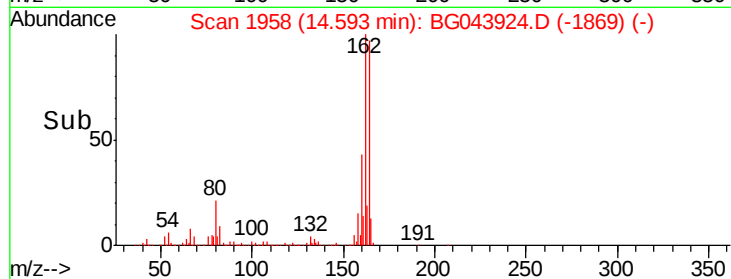
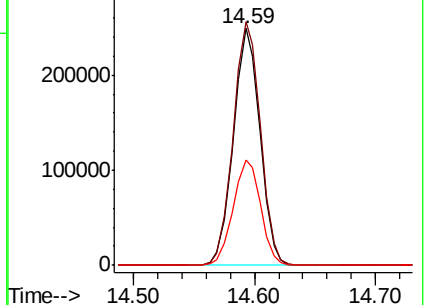
160 44.5 36.1 54.1



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: 97.672 ng

RT: 16.08 min Scan# 2211

Delta R.T. -0.01 min

Lab File: BG043924.D

Acq: 4 Jan 2020 16:09

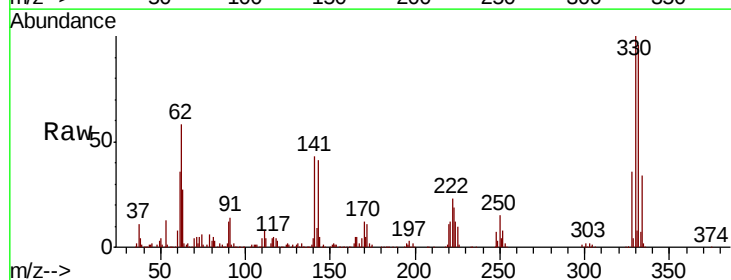
Tgt Ion:330 Resp: 390484

Ion Ratio Lower Upper

330 100

332 97.2 77.2 115.8

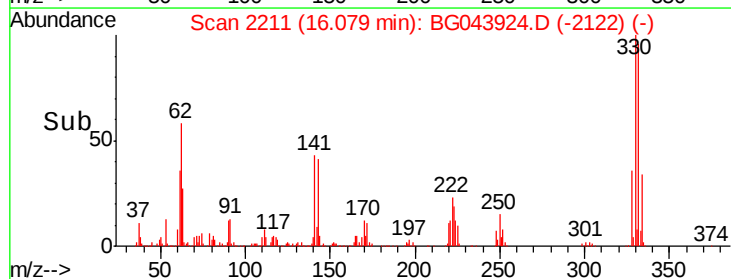
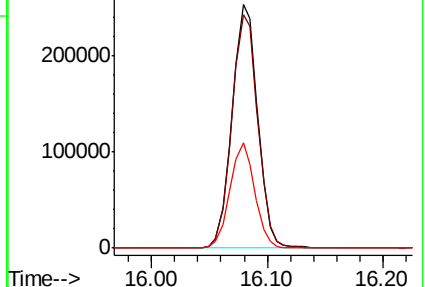
141 42.2 33.1 49.7

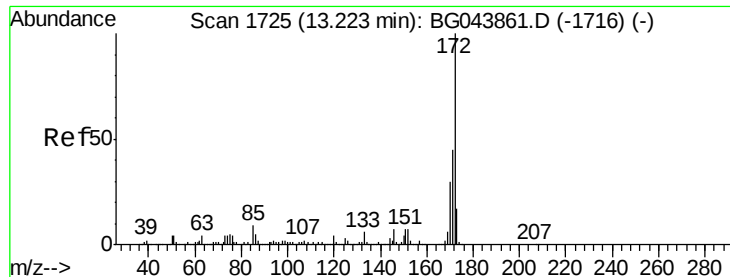


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

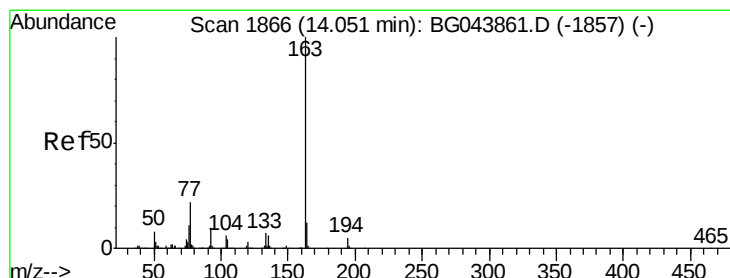
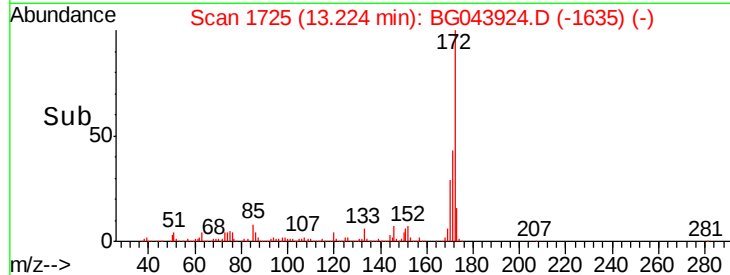
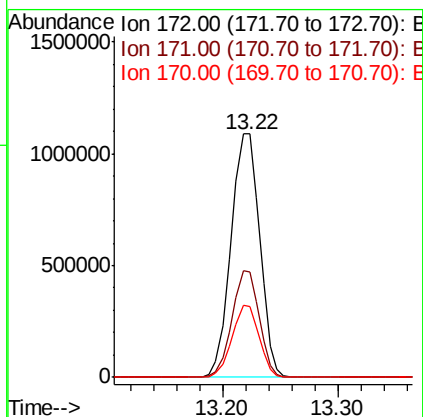
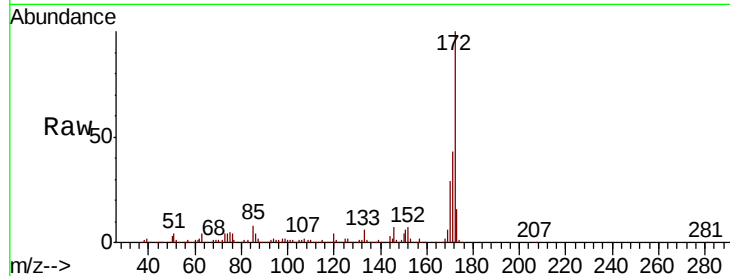




#45
 2-Fluorobiphenyl
 Concen: 89.048 ng
 RT: 13.22 min Scan# 1725
 Delta R.T. 0.00 min
 Lab File: BG043924.D
 Acq: 4 Jan 2020 16:09

Tot Ion:172 Resp: 1877700

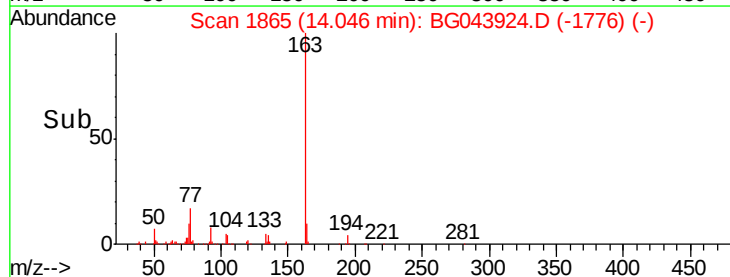
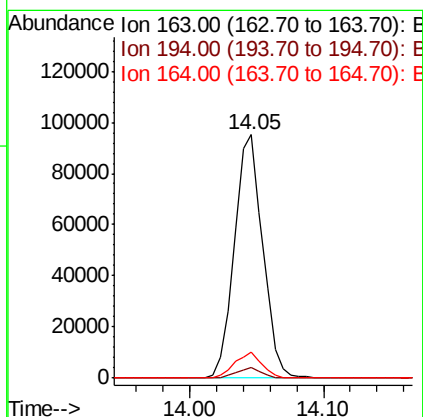
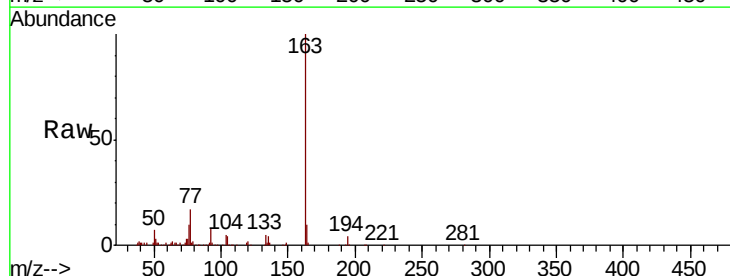
Ion	Ratio	Lower	Upper
172	100		
171	43.3	35.8	53.8
170	29.3	24.2	36.4

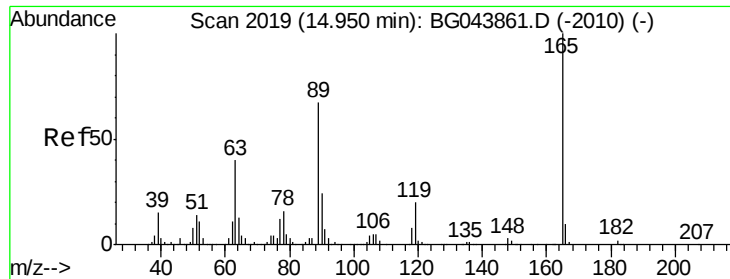


#50
 Dimethylphthalate
 Concen: 5.172 ng
 RT: 14.05 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: BG043924.D
 Acq: 4 Jan 2020 16:09

Tgt Ion:163 Resp: 140284

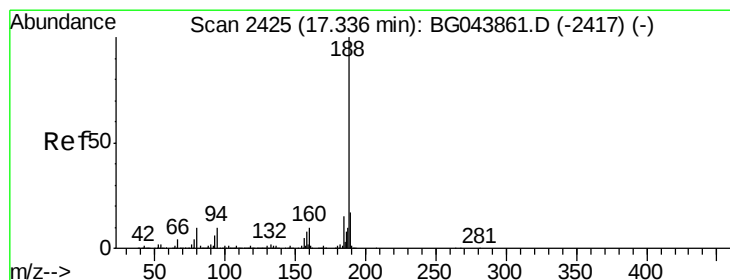
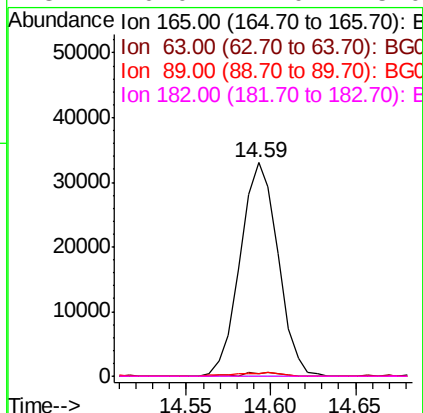
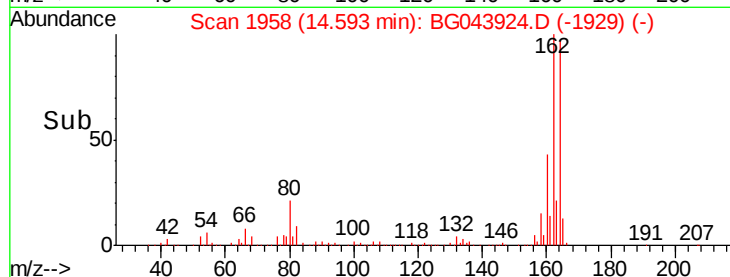
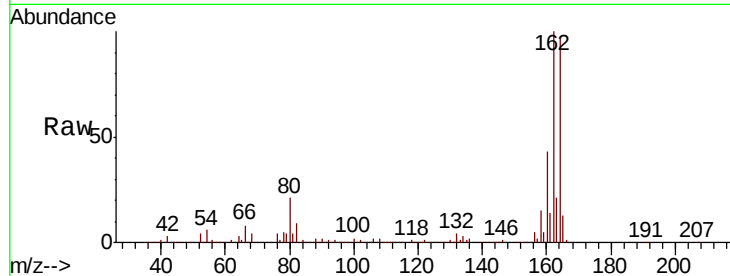
Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.7	5.5
164	10.4	9.3	13.9





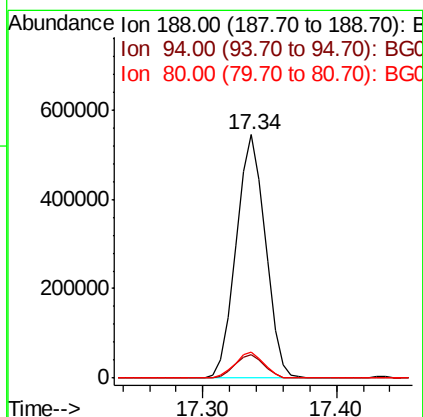
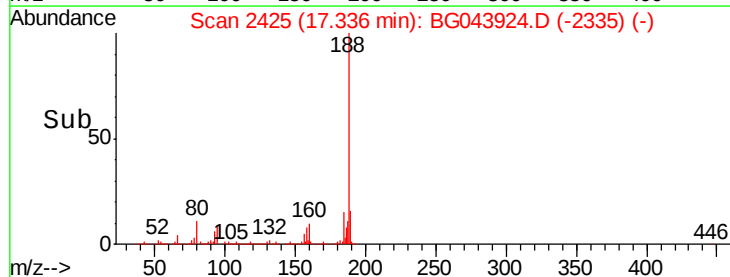
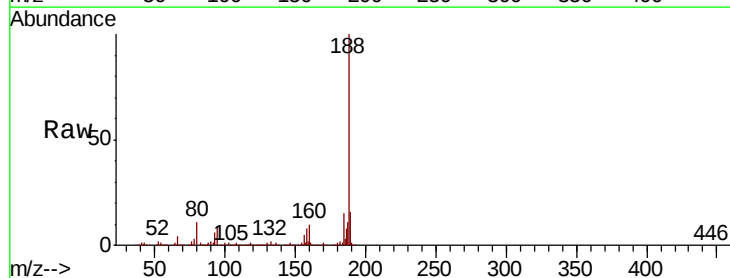
#57
 2,4-Dinitrotoluene
 Concen: 6.159 ng
 RT: 14.59 min Scan# 1958
 Delta R.T. -0.36 min
 Lab File: BG043924.D
 Acq: 4 Jan 2020 16:09

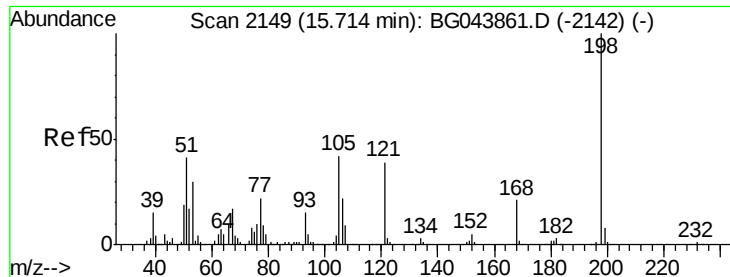
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	31.9	47.9#
89	1.4	53.8	80.6#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.34 min Scan# 2425
 Delta R.T. 0.00 min
 Lab File: BG043924.D
 Acq: 4 Jan 2020 16:09

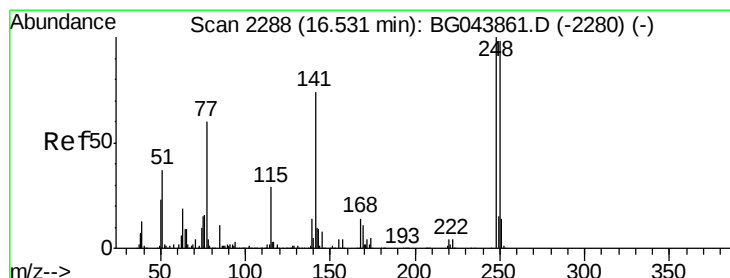
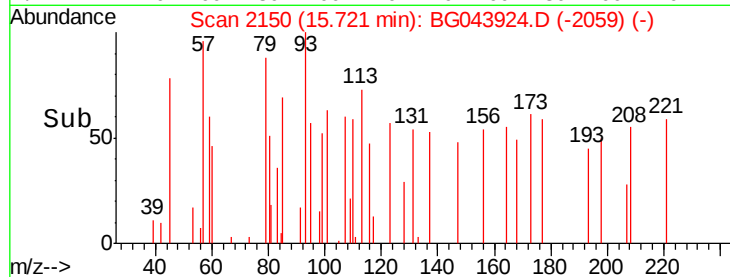
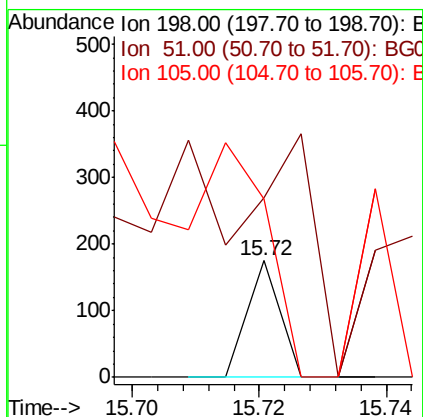
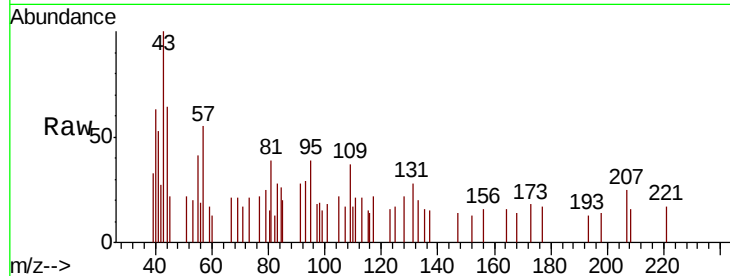
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.9	11.9
80	10.8	8.2	12.4





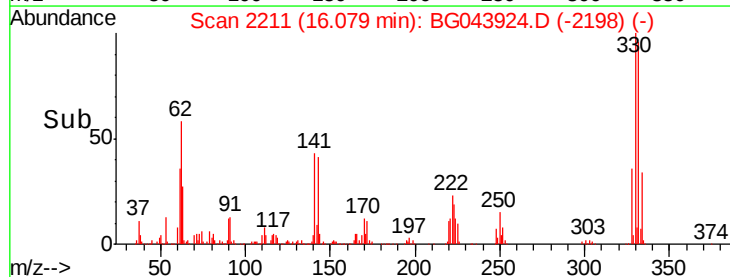
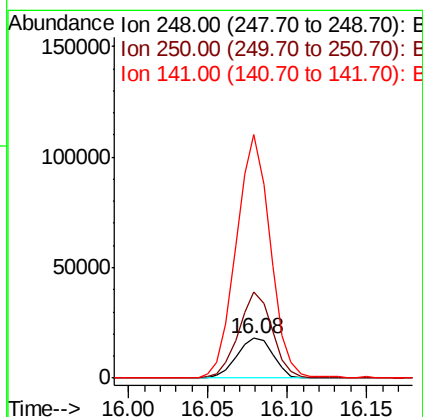
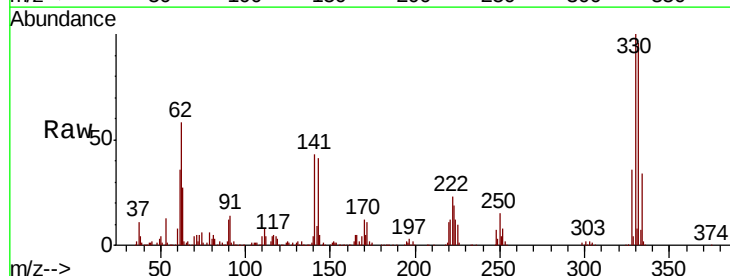
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.403 ng
 RT: 15.72 min Scan# 2150
 Delta R.T. 0.01 min
 Lab File: BG043924.D
 Acq: 4 Jan 2020 16:09

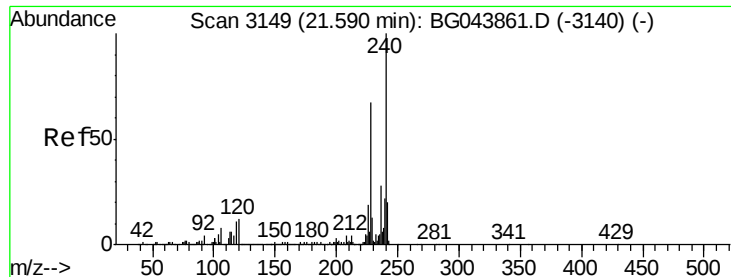
Tot Ion	Ratio	Lower	Upper
198	100		
51	153.7	22.5	62.5#
105	152.6	22.3	62.3#



#67
 4-Bromophenyl-phenylether
 Concen: 3.105 ng
 RT: 16.08 min Scan# 2211
 Delta R.T. -0.45 min
 Lab File: BG043924.D
 Acq: 4 Jan 2020 16:09

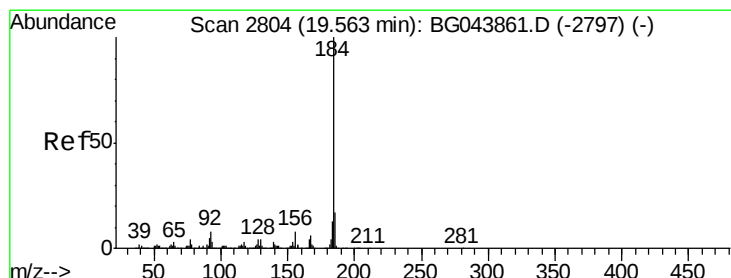
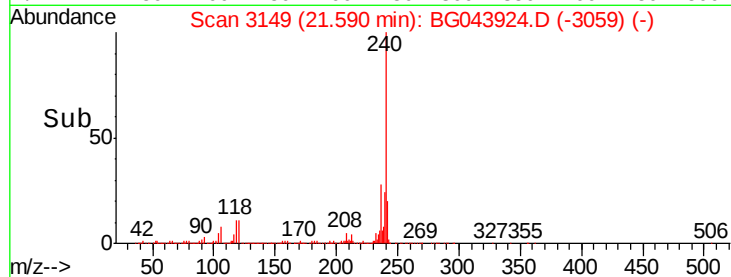
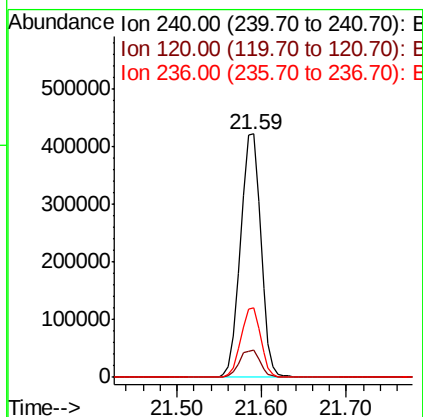
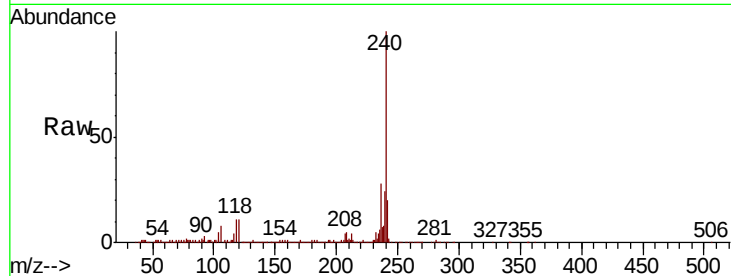
Tgt Ion	Ratio	Lower	Upper
248	100		
250	216.8	78.2	117.2#
141	610.3	59.3	88.9#





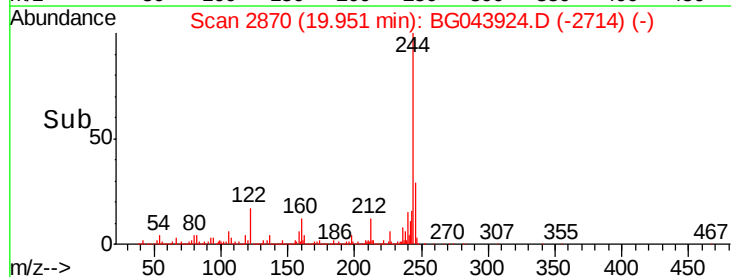
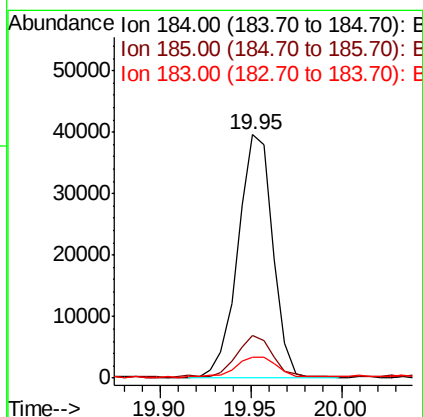
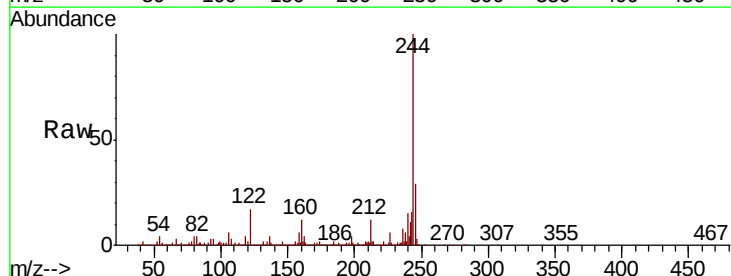
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.59 min Scan# 3149
Delta R.T. 0.00 min
Lab File: BG043924.D
Acq: 4 Jan 2020 16:09

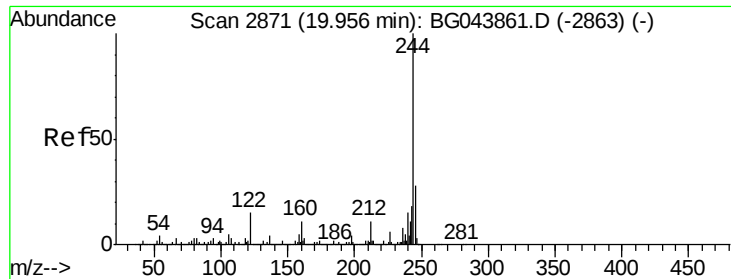
Tot Ion:240 Resp: 702514
Ion Ratio Lower Upper
240 100
120 11.0 9.6 14.4
236 28.5 22.2 33.2



#77
Benzidine
Concen: 2.996 ng
RT: 19.95 min Scan# 2870
Delta R.T. 0.39 min
Lab File: BG043924.D
Acq: 4 Jan 2020 16:09

Tgt Ion:184 Resp: 52909
Ion Ratio Lower Upper
184 100
185 17.7 13.4 20.0
183 8.8 10.6 15.8#





#79

Terphenyl-d14

Concen: 85.415 ng

RT: 19.95 min Scan# 2870

Delta R.T. -0.01 min

Lab File: BG043924.D

Acq: 4 Jan 2020 16:09

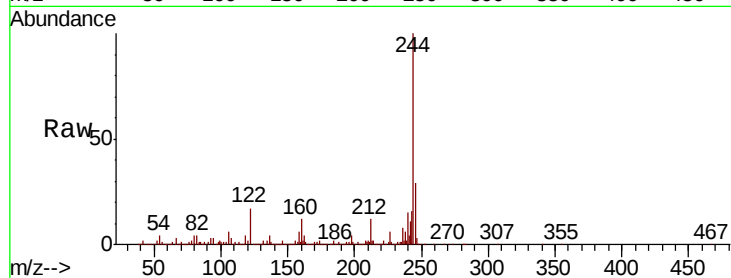
Tot Ion:244 Resp: 2485544

Ion Ratio Lower Upper

244 100

212 11.6 8.6 13.0

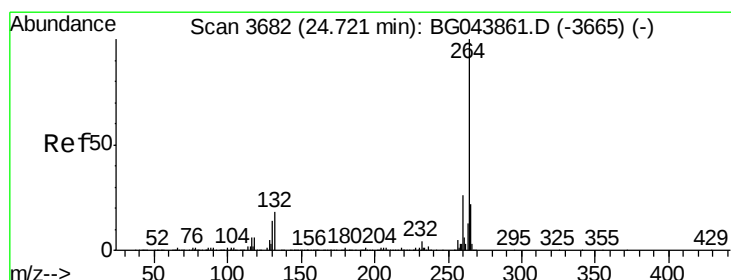
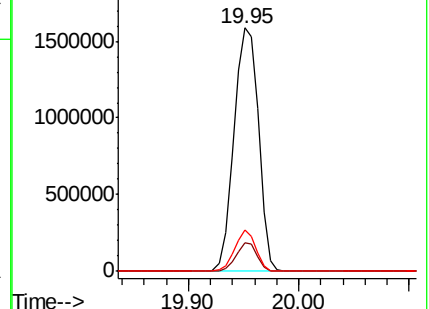
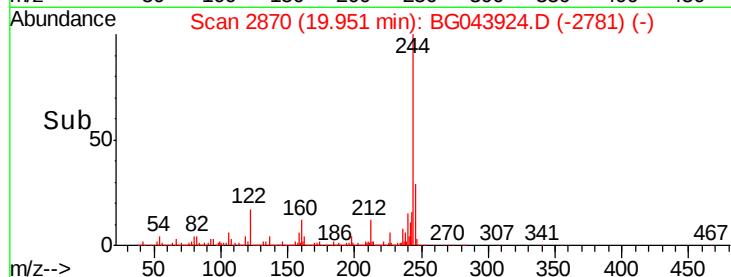
122 16.9 11.9 17.9



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: BG043924.D

Acq: 4 Jan 2020 16:09

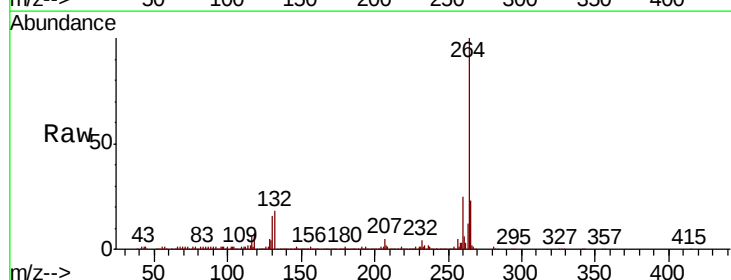
Tgt Ion:264 Resp: 778454

Ion Ratio Lower Upper

264 100

260 24.9 20.4 30.6

265 22.6 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

