

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010320\
 Data File : BG043890.D
 Acq On : 3 Jan 2020 16:38
 Operator : JU
 Sample : K6460-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

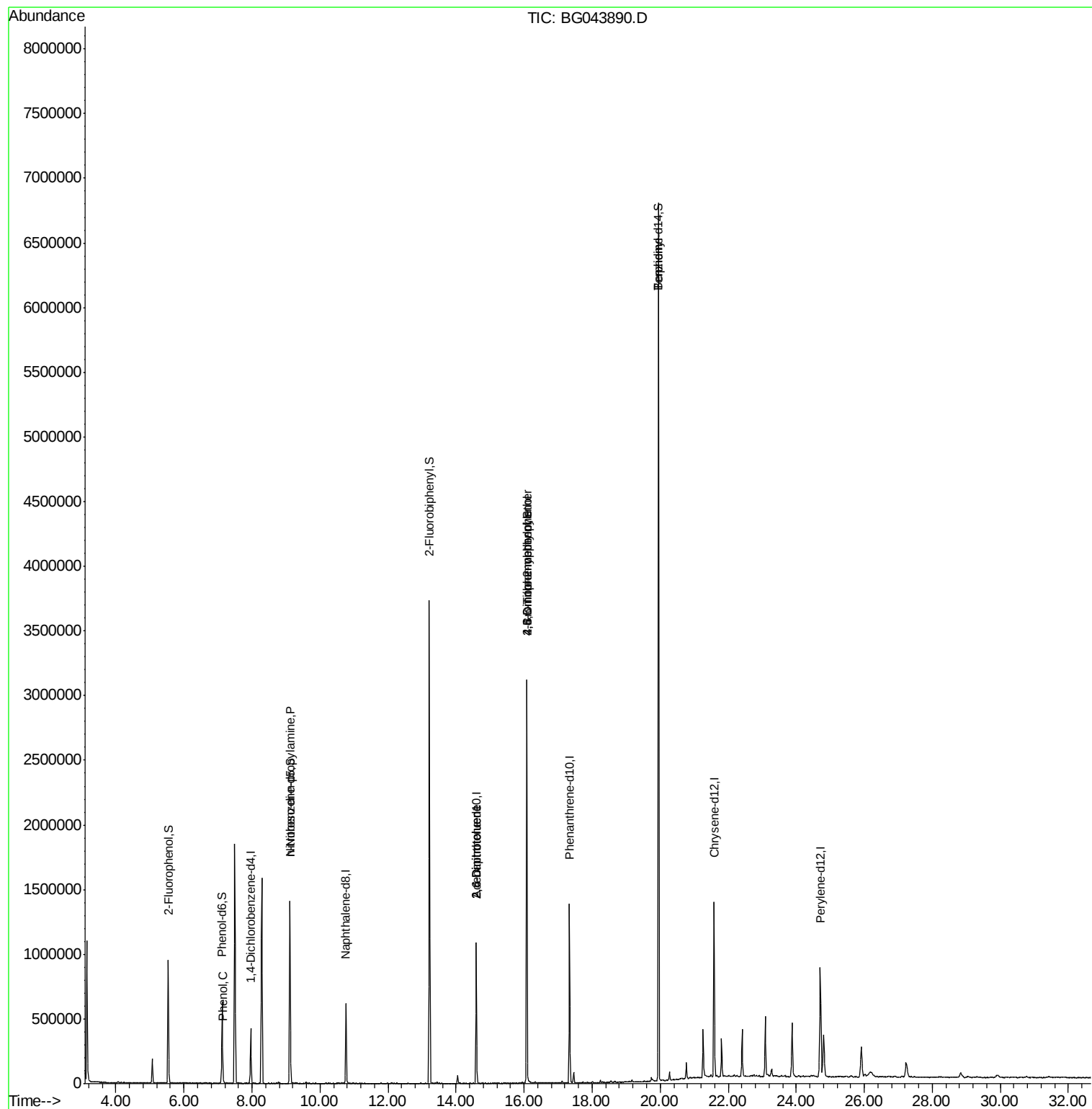
Quant Time: Jan 03 22:21:34 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

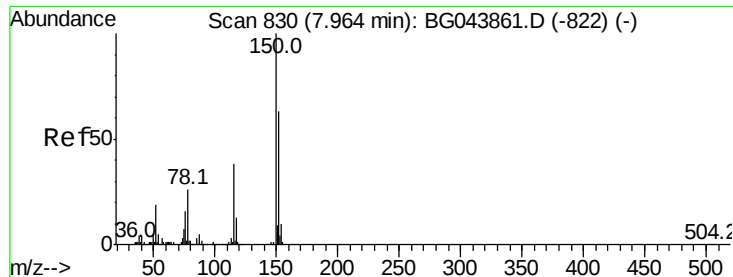
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	127182	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	553489	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	377607	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	845656	20.00	ng	0.00
76) Chrysene-d12	21.58	240	733420	20.00	ng	0.00
87) Perylene-d12	24.71	264	818519	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	433927	62.65	ng	0.00
7) Phenol-d6	7.12	99	388341	40.11	ng	0.00
23) Nitrobenzene-d5	9.12	82	860284	83.15	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	523469	132.47	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1873856	89.91	ng	0.00
79) Terphenyl-d14	19.95	244	2704838	90.41	ng	0.00
Target Compounds						
10) Phenol	7.15	94	21016	2.107	ng	96
19) n-Nitroso-di-n-propylamine	9.12	70	114120	15.827	ng	# 78
51) 2,6-Dinitrotoluene	14.59	165	49907	8.235	ng	# 26
57) 2,4-Dinitrotoluene	14.59	165	49907	6.052	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.08	198	1885	4.783	ng	# 1
67) 4-Bromophenyl-phenylether	16.08	248	39272	4.129	ng	# 1
77) Benizidine	19.95	184	57405	3.114	ng	# 94

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

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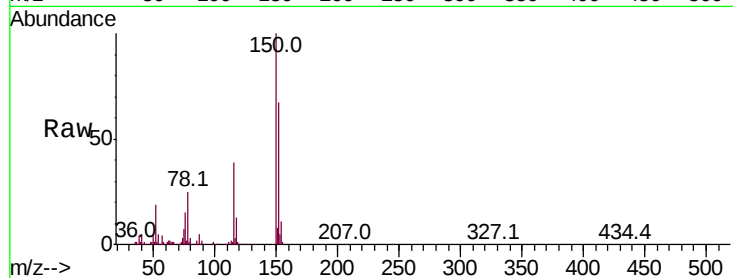




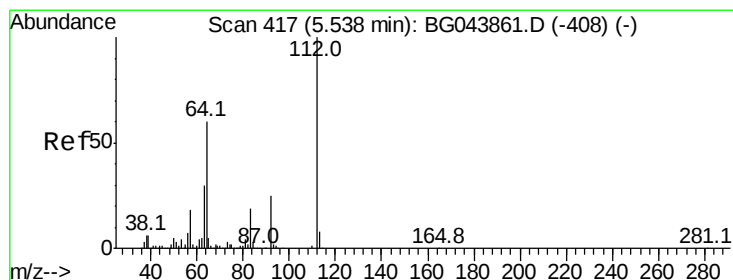
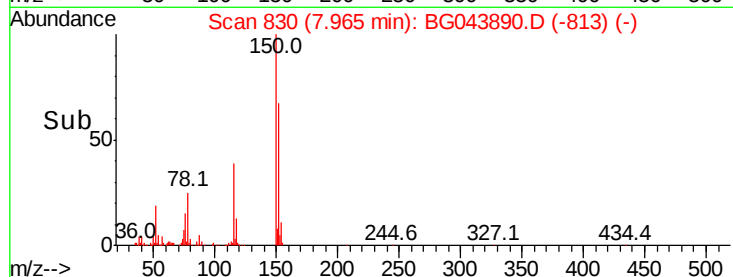
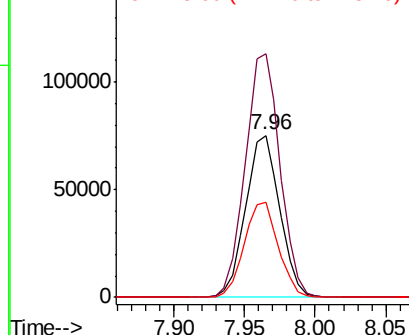
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 830
Delta R.T. 0.00 min
Lab File: BG043890.D
Acq: 3 Jan 2020 16:38

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.2	127.0	190.4
115	58.3	47.8	71.8



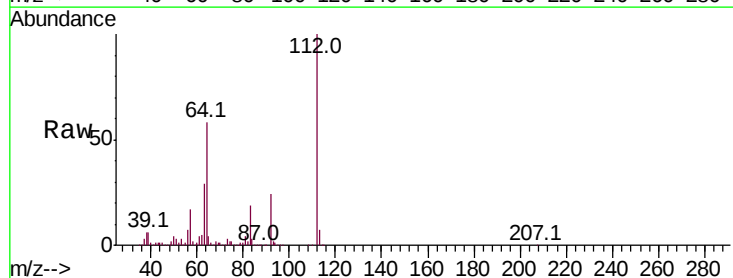
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



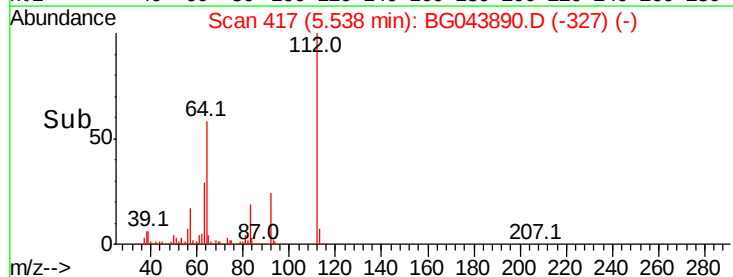
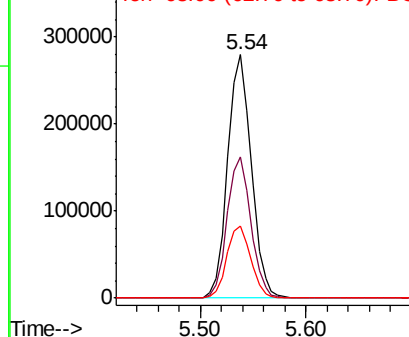
#5

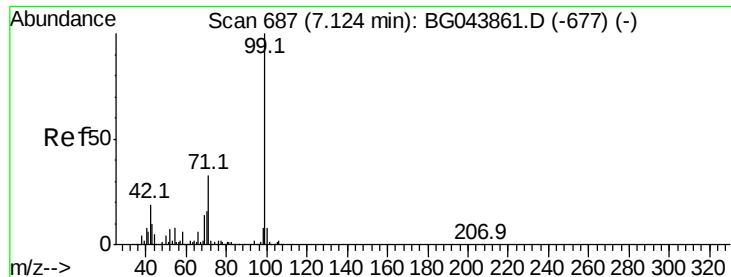
2-Fluorophenol
Concen: 62.646 ng
RT: 5.54 min Scan# 417
Delta R.T. 0.00 min
Lab File: BG043890.D
Acq: 3 Jan 2020 16:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	47.8	71.6
63	29.5	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: 40.109 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.01 min

Lab File: BG043890.D

Acq: 3 Jan 2020 16:38

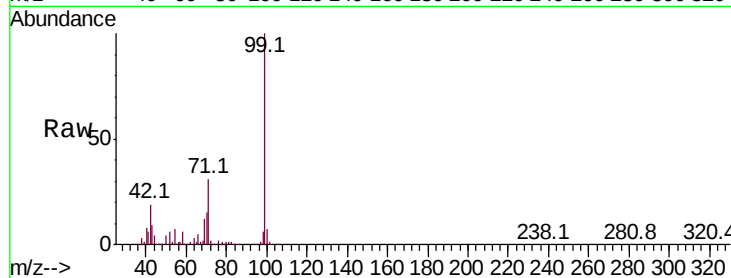
Tot Ion: 99 Resp: 388341

Ion Ratio Lower Upper

99 100

42 18.8 14.9 22.3

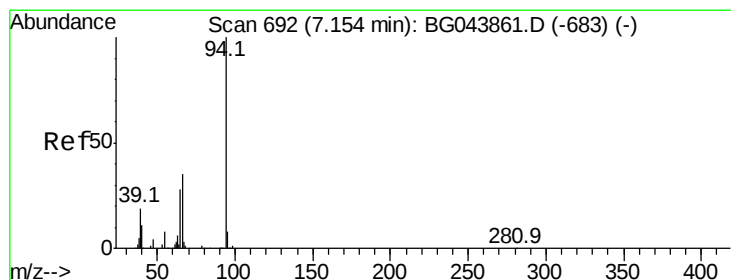
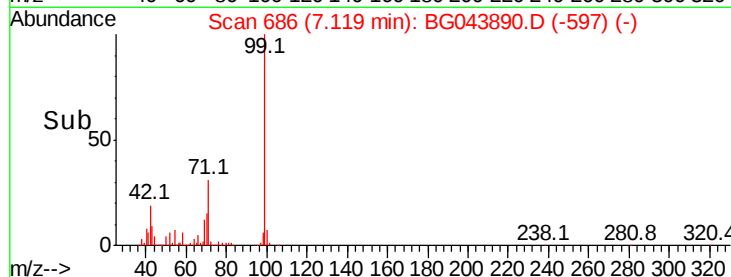
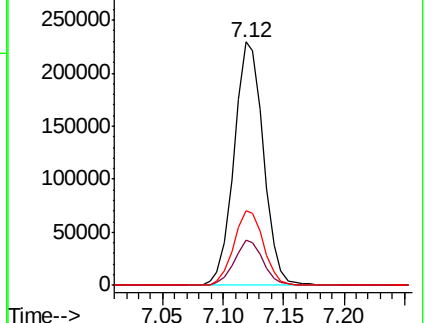
71 30.5 26.4 39.6



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: 2.107 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.01 min

Lab File: BG043890.D

Acq: 3 Jan 2020 16:38

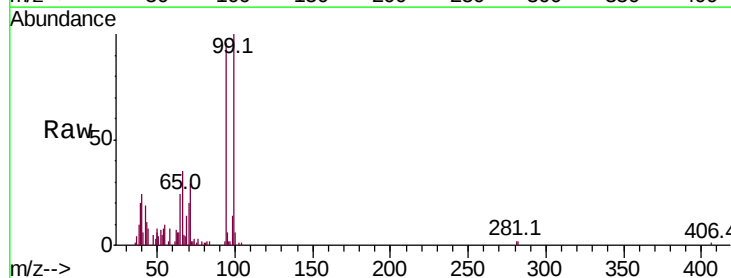
Tgt Ion: 94 Resp: 21016

Ion Ratio Lower Upper

94 100

65 25.0 8.1 48.1

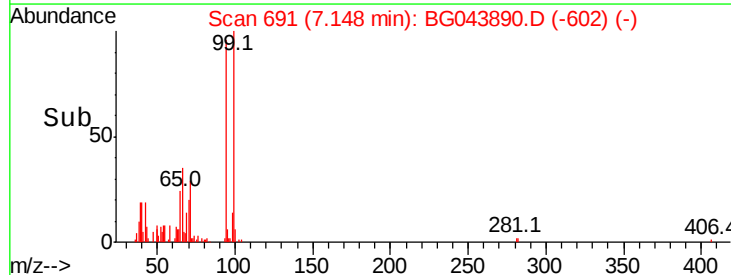
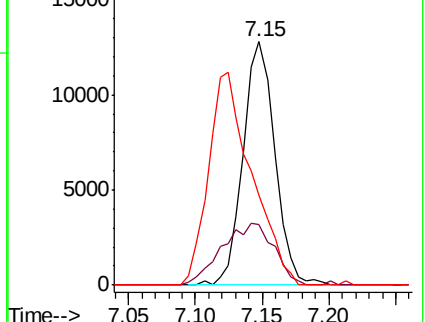
66 36.7 15.6 55.6

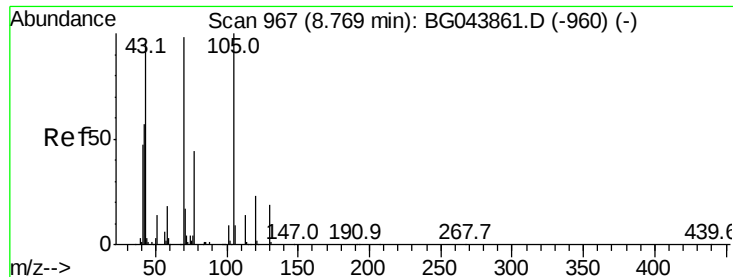


Abundance Ion 94.00 (93.70 to 94.70): BGC

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: 15.827 ng

RT: 9.12 min Scan# 1026

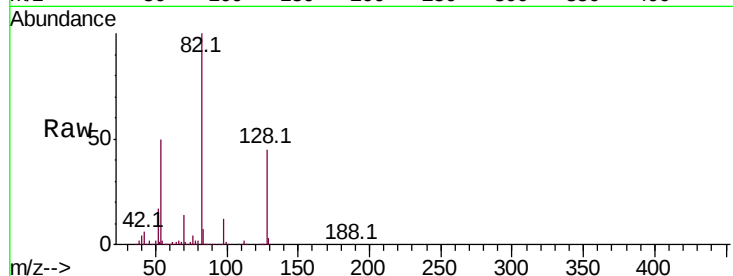
Delta R.T. 0.35 min

Lab File: BG043890.D

Acq: 3 Jan 2020 16:38

Tot Ion: 70 Resp: 114120

Ion	Ratio	Lower	Upper
70	100		
42	46.1	47.0	70.4#
101	0.0	7.2	10.8#
130	2.4	15.6	23.4#



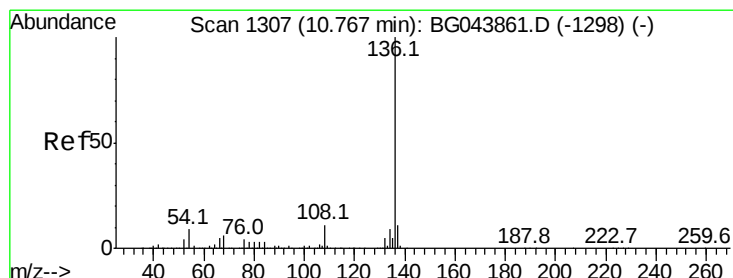
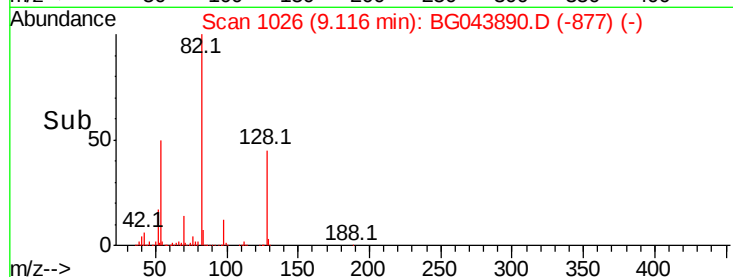
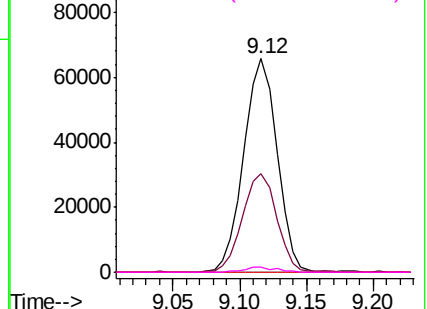
Abundance

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

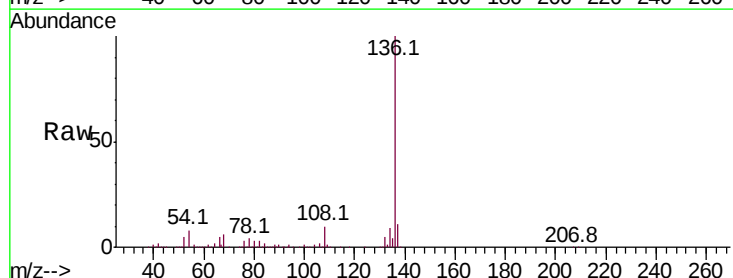
Delta R.T. -0.01 min

Lab File: BG043890.D

Acq: 3 Jan 2020 16:38

Tgt Ion: 136 Resp: 553489

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.8	7.0	10.4
68	6.3	4.9	7.3



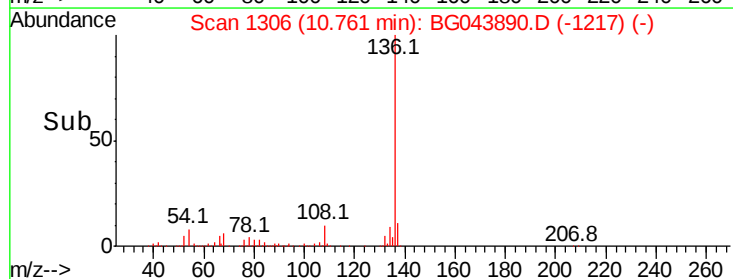
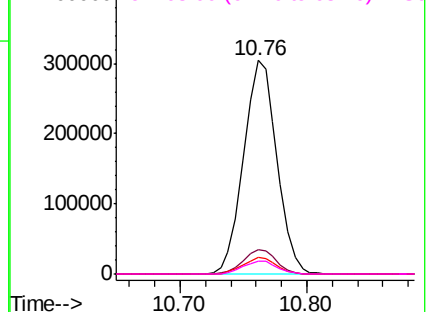
Abundance

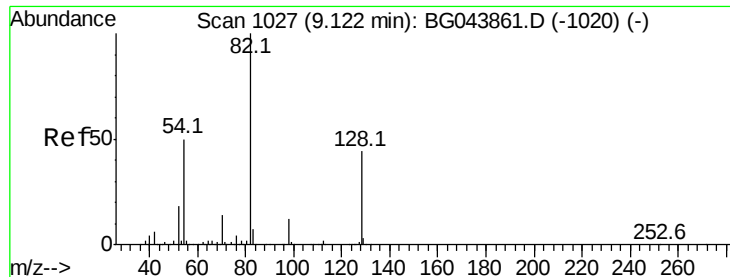
Ion 136.00 (135.70 to 136.70): BGC

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: 83.148 ng

RT: 9.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BG043890.D

Acq: 3 Jan 2020 16:38

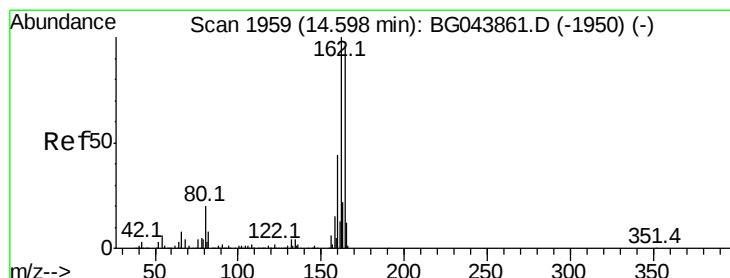
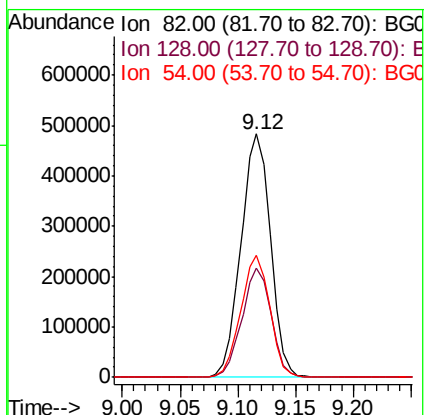
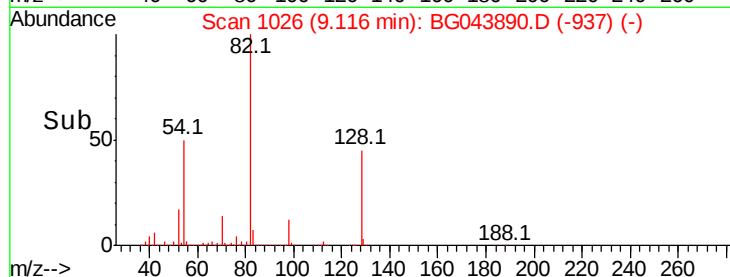
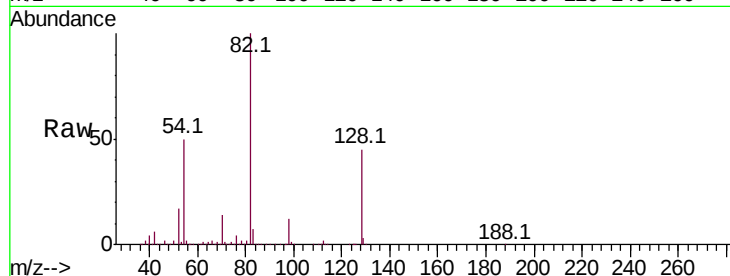
Tot Ion: 82 Resp: 860284

Ion Ratio Lower Upper

82 100

128 44.8 35.1 52.7

54 49.9 40.1 60.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.59 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BG043890.D

Acq: 3 Jan 2020 16:38

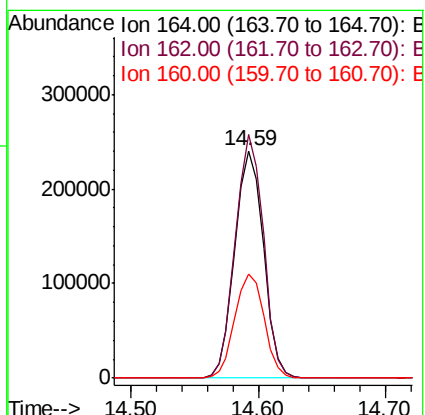
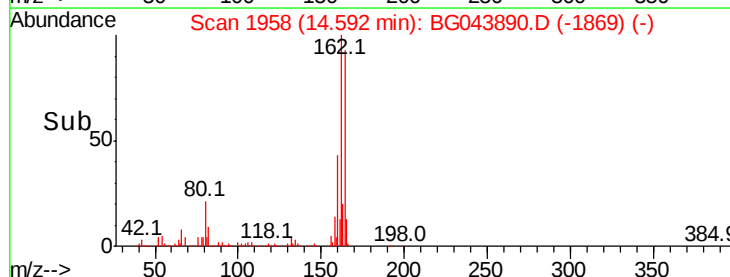
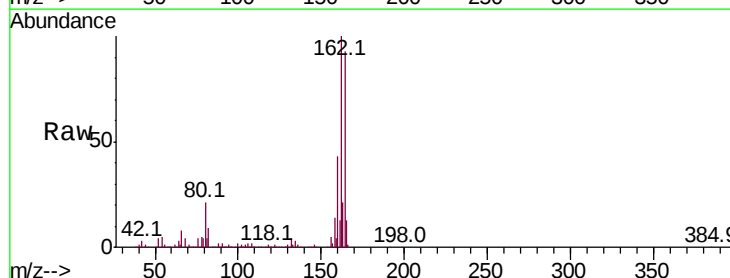
Tgt Ion: 164 Resp: 377607

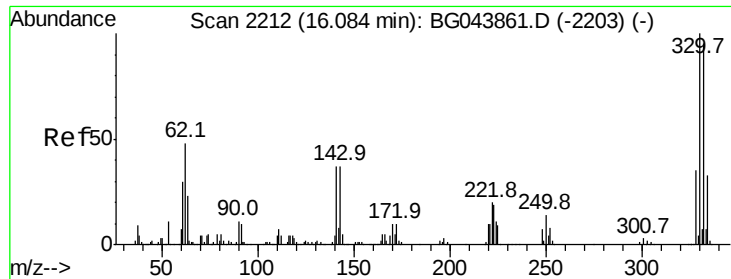
Ion Ratio Lower Upper

164 100

162 107.1 83.0 124.4

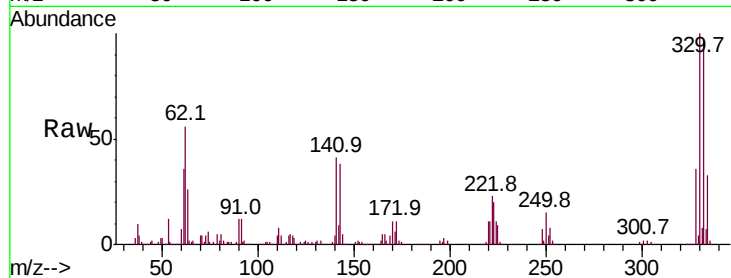
160 45.9 36.1 54.1





#42
 2,4,6-Tribromophenol
 Concen: 132.471 ng
 RT: 16.08 min Scan# 2211
 Delta R.T. -0.01 min
 Lab File: BG043890.D
 Acq: 3 Jan 2020 16:38

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.2	115.8
141	40.7	33.1	49.7

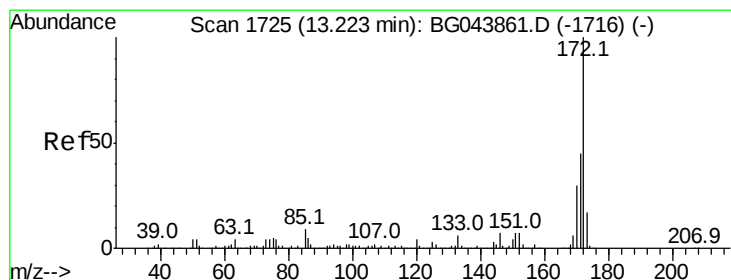
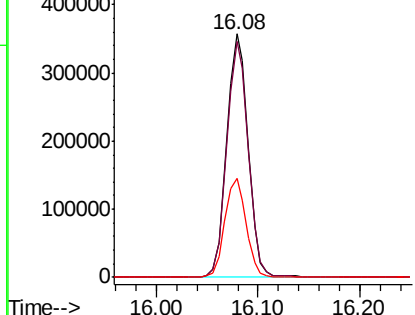
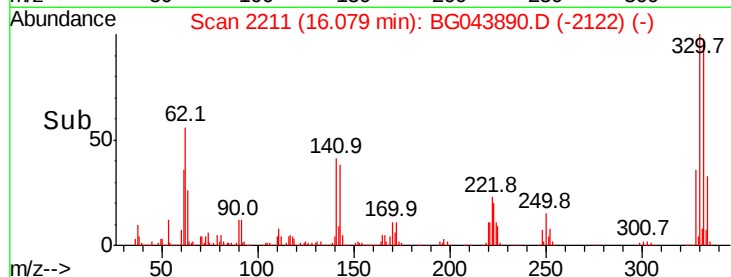


Abundance

Ion 329.80 (329.50 to 330.50): E

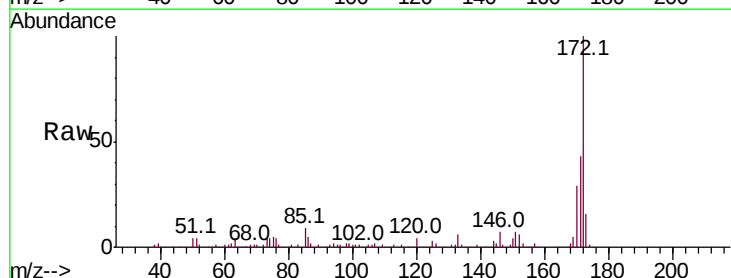
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 89.908 ng
 RT: 13.22 min Scan# 1724
 Delta R.T. -0.01 min
 Lab File: BG043890.D
 Acq: 3 Jan 2020 16:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	43.3	35.8	53.8
170	28.6	24.2	36.4

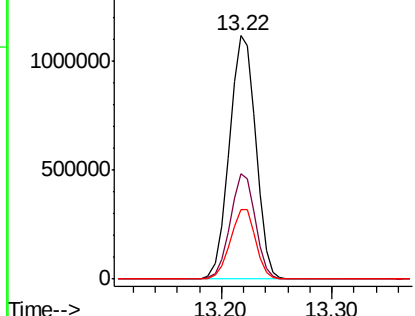
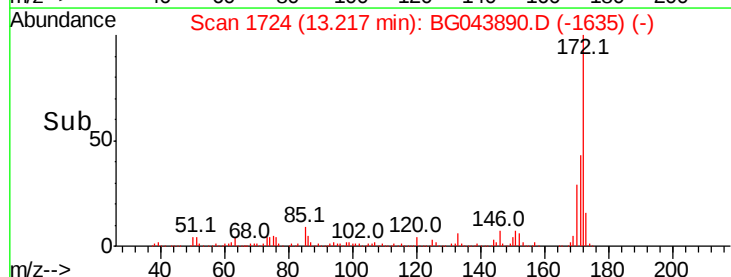


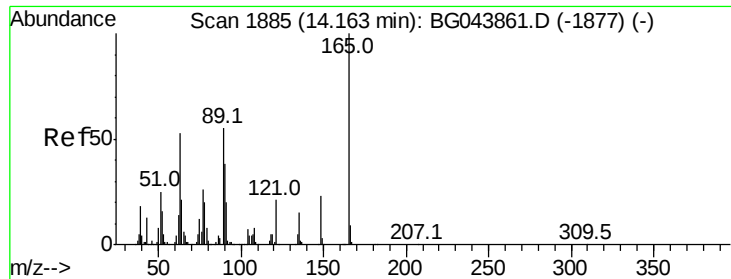
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

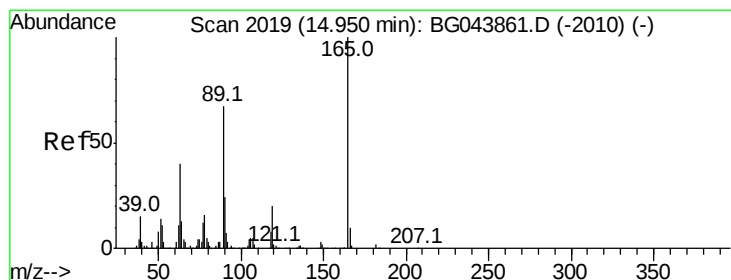
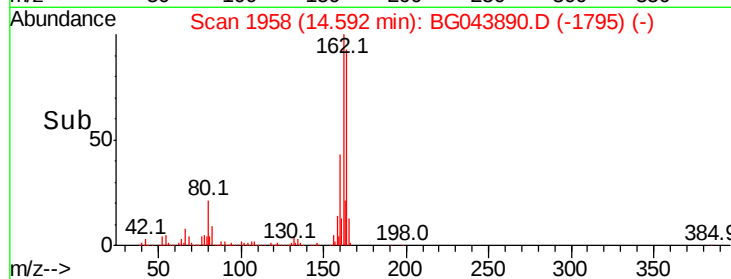
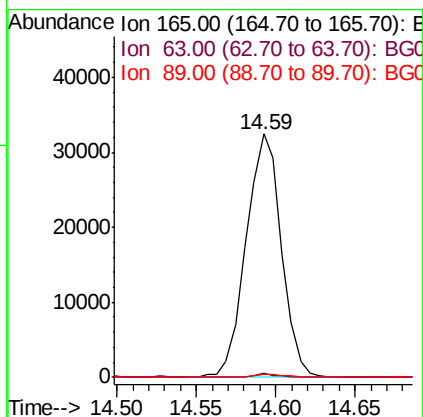
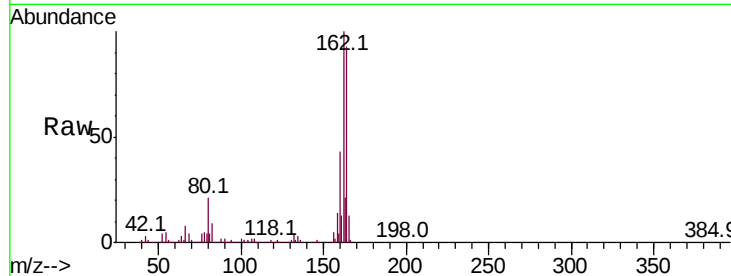
Ion 170.00 (169.70 to 170.70): E





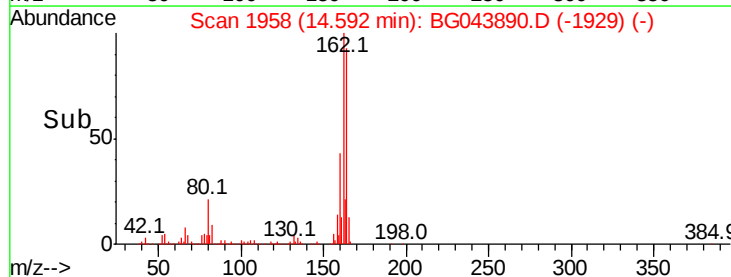
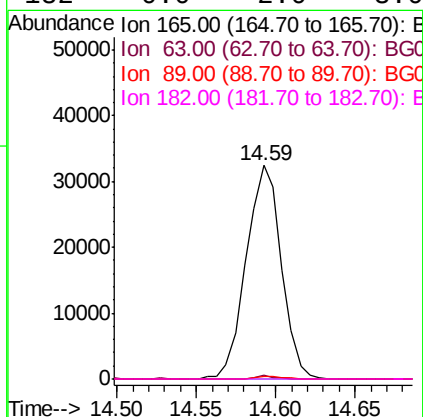
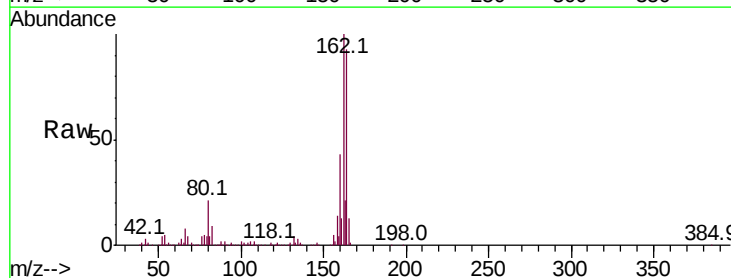
#51
 2,6-Dinitrotoluene
 Concen: 8.235 ng
 RT: 14.59 min Scan# 1958
 Delta R.T. 0.43 min
 Lab File: BG043890.D
 Acq: 3 Jan 2020 16:38

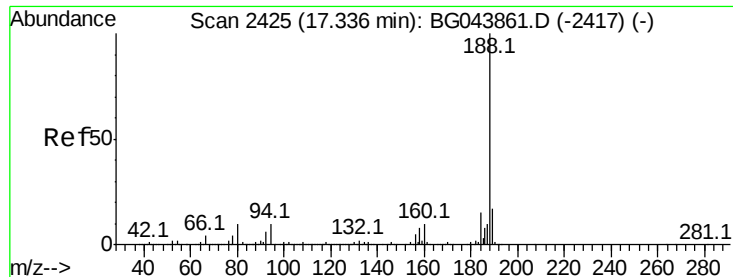
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	43.1	64.7#
89	1.4	43.8	65.6#



#57
 2,4-Dinitrotoluene
 Concen: 6.052 ng
 RT: 14.59 min Scan# 1958
 Delta R.T. -0.36 min
 Lab File: BG043890.D
 Acq: 3 Jan 2020 16:38

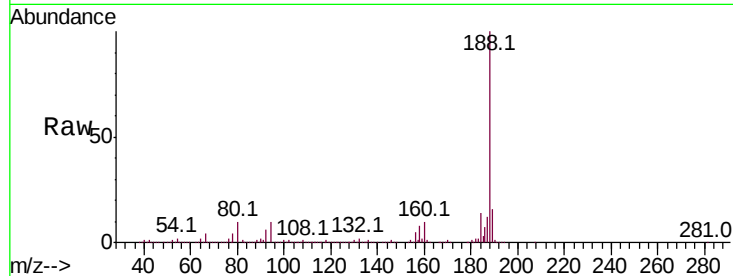
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	31.9	47.9#
89	1.4	53.8	80.6#
182	0.0	2.0	3.0#



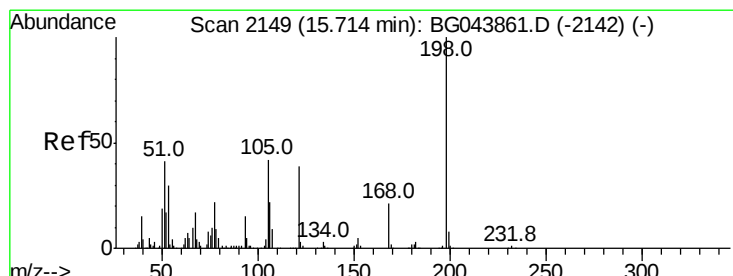
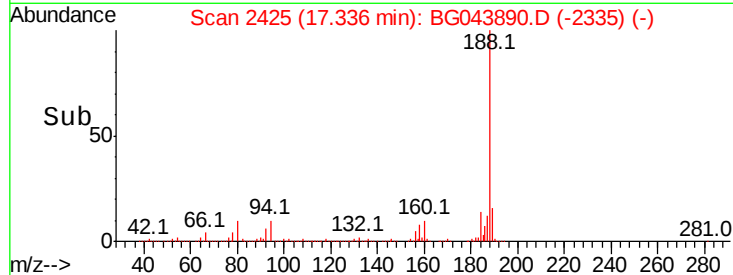
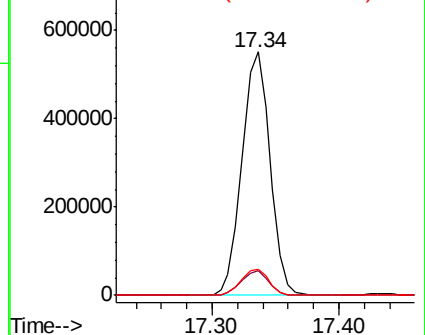


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.34 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BG043890.D
Acq: 3 Jan 2020 16:38

Tot Ion:188 Resp: 845656
Ion Ratio Lower Upper
188 100
94 10.2 7.9 11.9
80 10.4 8.2 12.4

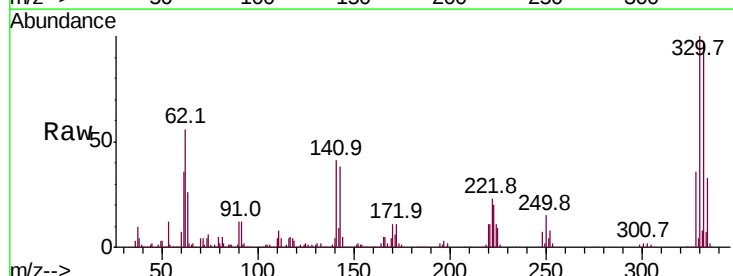


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

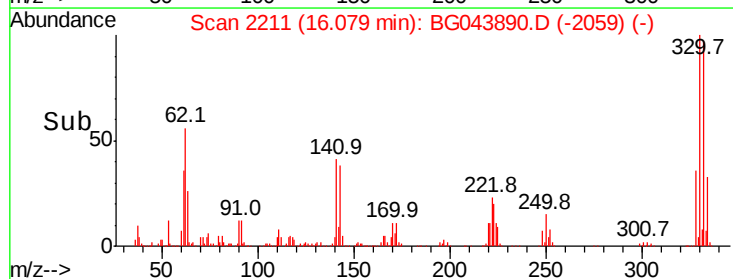
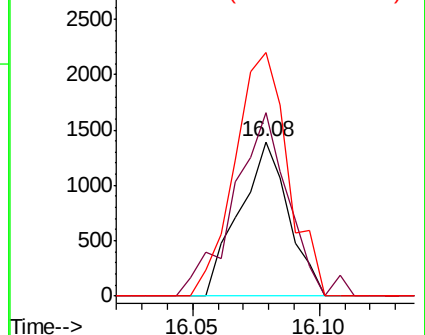


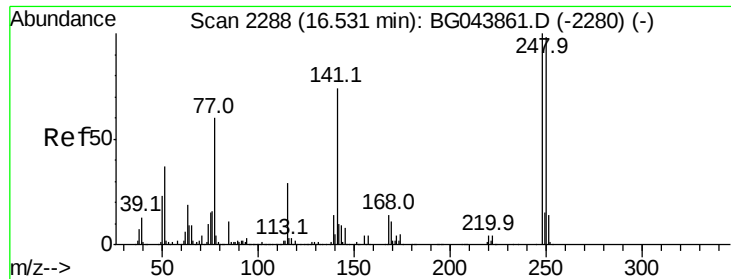
#65
4,6-Dinitro-2-methylphenol
Concen: 4.783 ng
RT: 16.08 min Scan# 2211
Delta R.T. 0.36 min
Lab File: BG043890.D
Acq: 3 Jan 2020 16:38

Tgt Ion:198 Resp: 1885
Ion Ratio Lower Upper
198 100
51 118.8 22.5 62.5#
105 157.7 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: 4.129 ng

RT: 16.08 min Scan# 2211

Delta R.T. -0.45 min

Lab File: BG043890.D

Acq: 3 Jan 2020 16:38

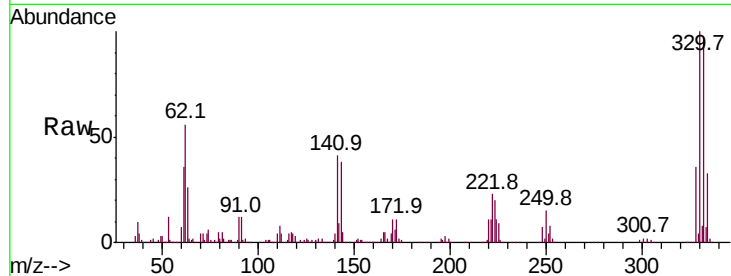
Tot Ion:248 Resp: 39272

Ion Ratio Lower Upper

248 100

250 206.2 78.2 117.2#

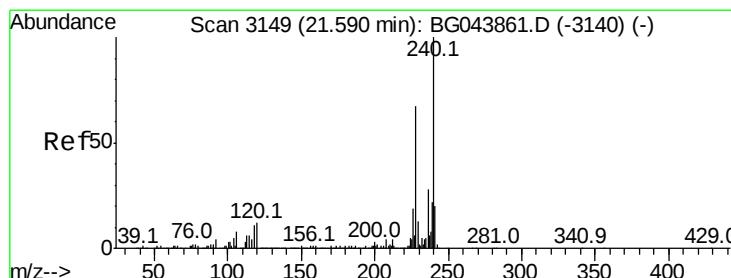
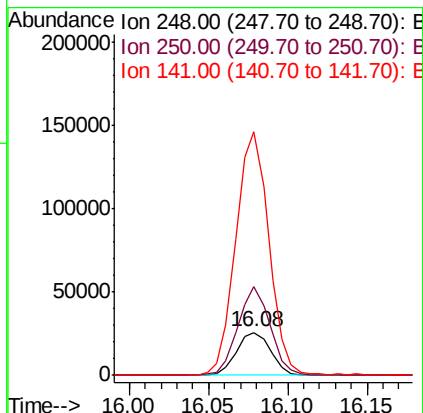
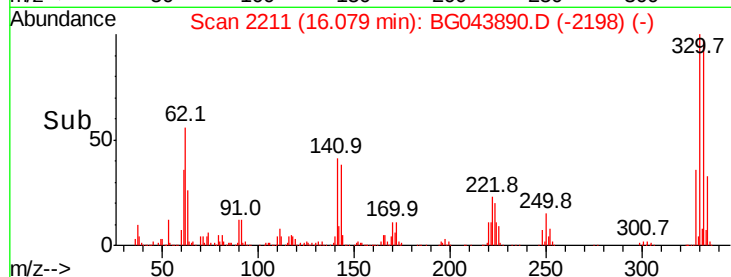
141 565.0 59.3 88.9#



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: 21.58 min Scan# 3148

Delta R.T. -0.01 min

Lab File: BG043890.D

Acq: 3 Jan 2020 16:38

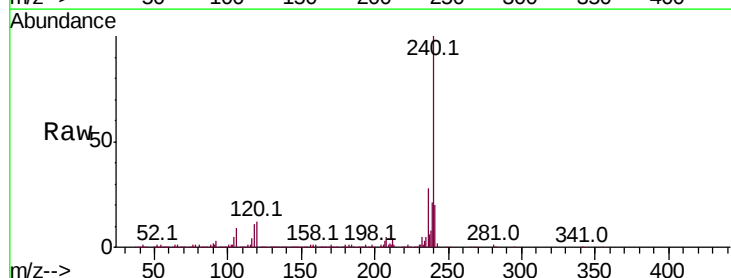
Tgt Ion:240 Resp: 733420

Ion Ratio Lower Upper

240 100

120 11.9 9.6 14.4

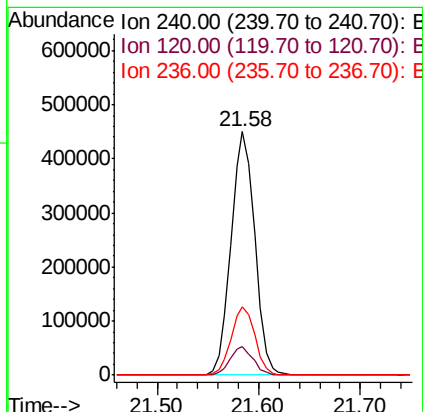
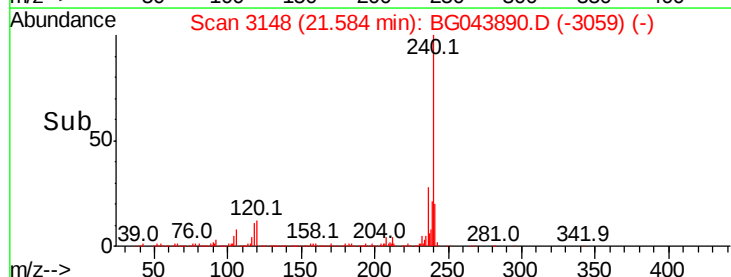
236 27.9 22.2 33.2

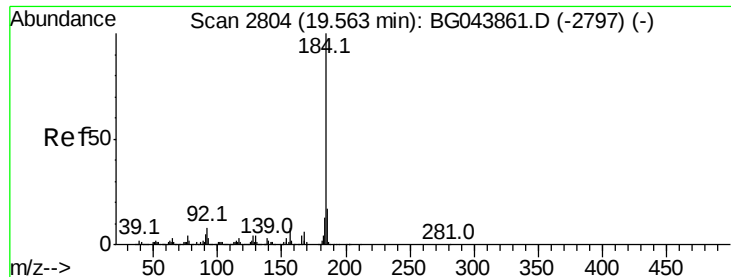


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.114 ng

RT: 19.95 min Scan# 2870

Delta R.T. 0.39 min

Lab File: BG043890.D

Acq: 3 Jan 2020 16:38

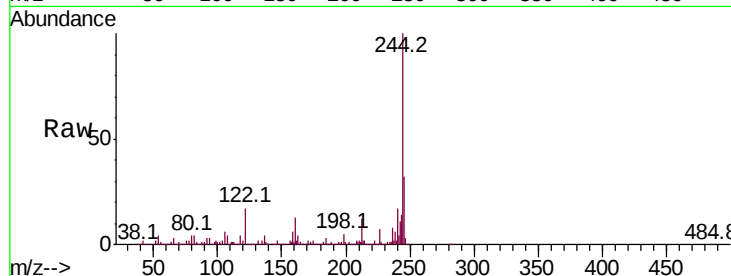
Tot Ion:184 Resp: 57405

Ion Ratio Lower Upper

184 100

185 16.1 13.4 20.0

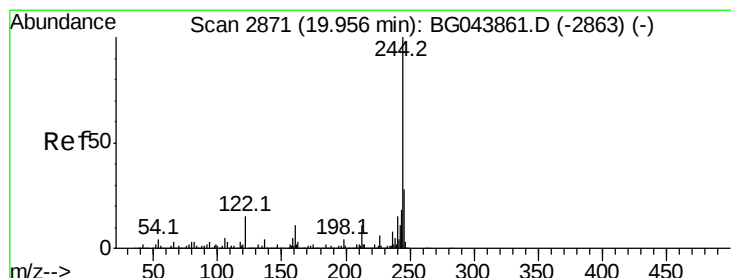
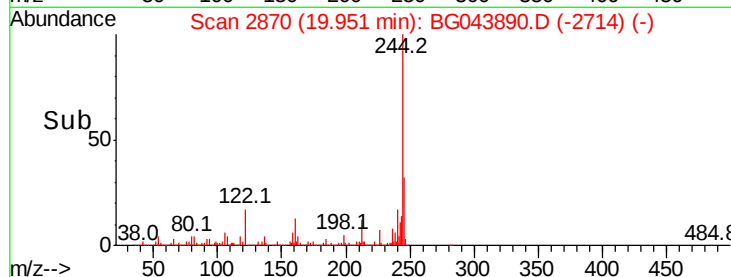
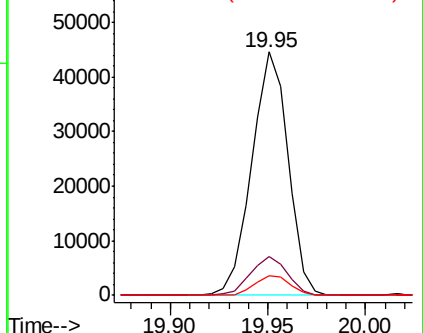
183 8.0 10.6 15.8#



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: 90.406 ng

RT: 19.95 min Scan# 2870

Delta R.T. -0.01 min

Lab File: BG043890.D

Acq: 3 Jan 2020 16:38

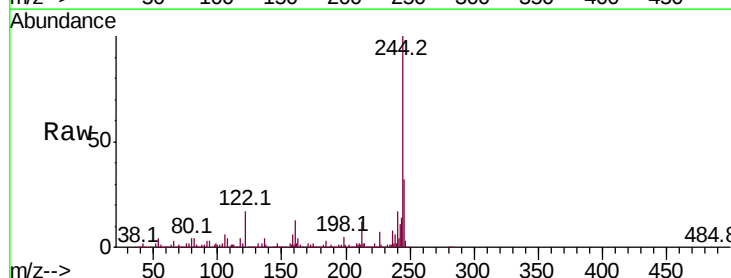
Tgt Ion:244 Resp: 2704838

Ion Ratio Lower Upper

244 100

212 12.4 8.6 13.0

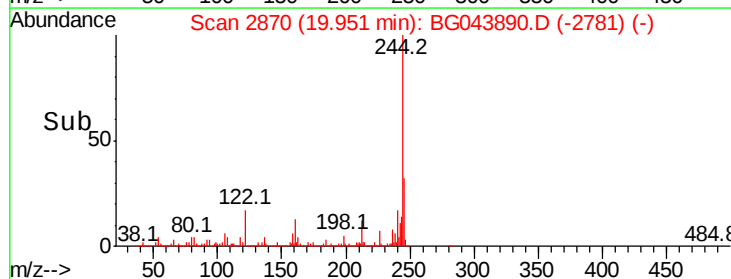
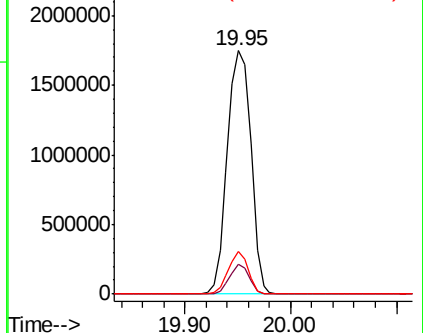
122 17.5 11.9 17.9

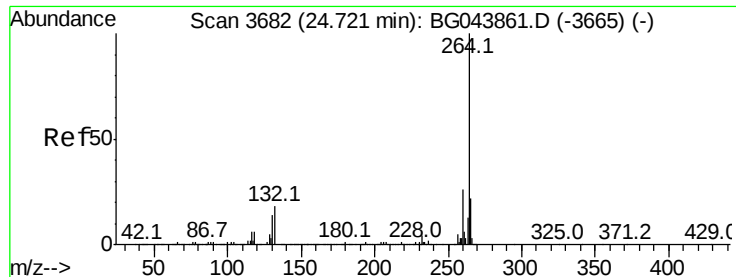


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

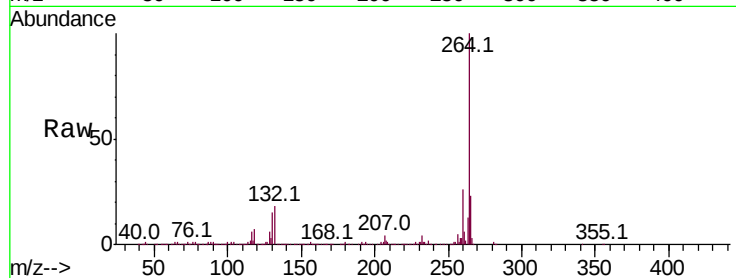
Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.71 min Scan# 3680
Delta R.T. -0.01 min
Lab File: BG043890.D
Acq: 3 Jan 2020 16:38

Tot	Ion:264	Resp:	818519
Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.4	30.6
265	22.9	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

