

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100719\
 Data File : BG043076.D
 Acq On : 7 Oct 2019 20:27
 Operator : JU
 Sample : K5154-24
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-101S

Quant Time: Oct 08 01:49:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 25 15:35:52 2019
 Response via : Initial Calibration

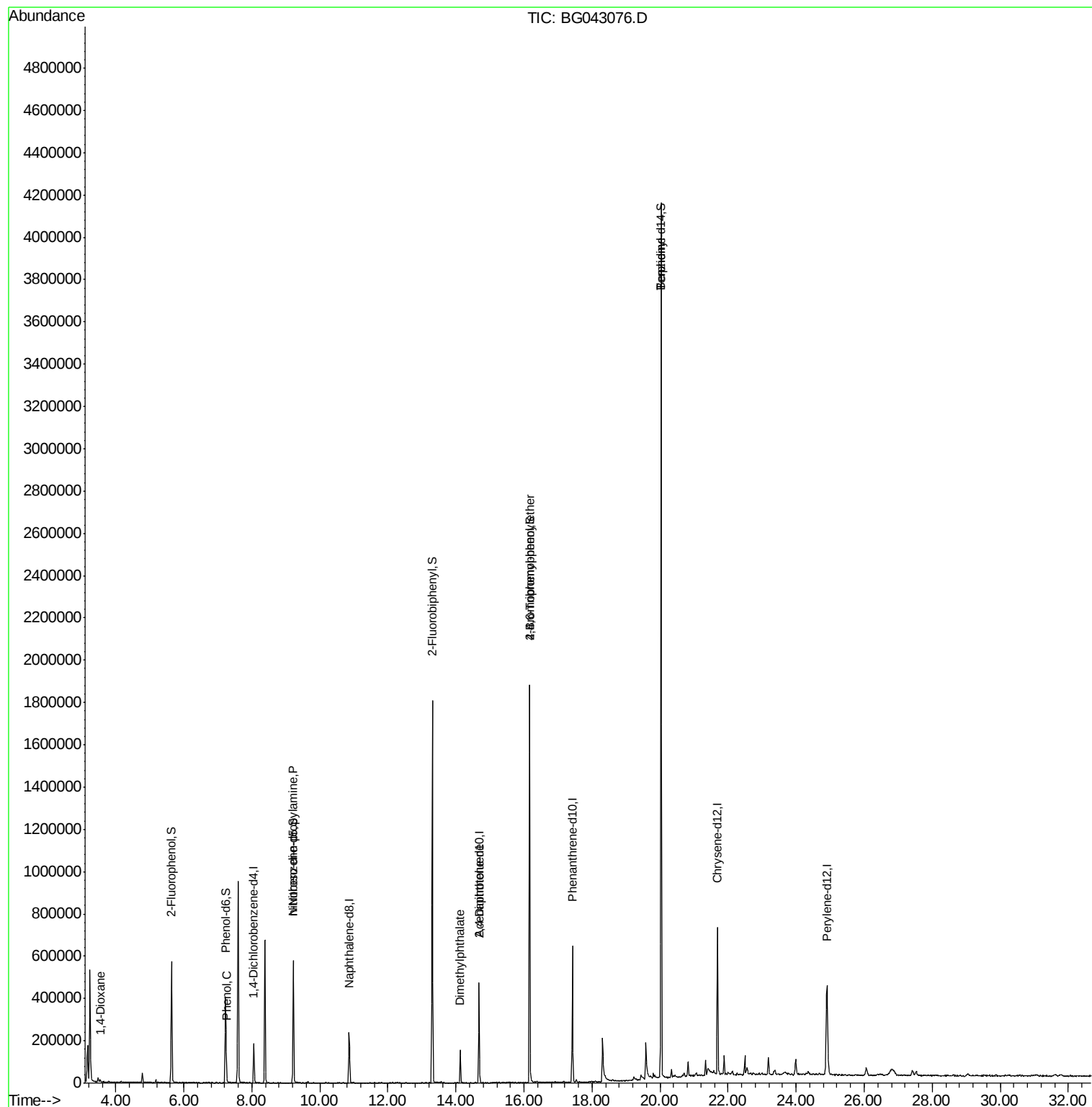
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	56297	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	213482	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	166218	20.00	ng	-0.02
64) Phenanthrene-d10	17.42	188	406046	20.00	ng	-0.02
76) Chrysene-d12	21.69	240	417644	20.00	ng	-0.03
87) Perylene-d12	24.91	264	488321	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	251392	79.69	ng	-0.02
7) Phenol-d6	7.23	99	240007	52.83	ng	-0.02
23) Nitrobenzene-d5	9.22	82	368711	83.95	ng	-0.02
42) 2,4,6-Tribromophenol	16.16	330	423220	148.07	ng	-0.02
45) 2-Fluorobiphenyl	13.30	172	974089	84.96	ng	-0.02
79) Terphenyl-d14	20.03	244	2014391	102.78	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.54	88	4919	3.740	ng	# 81
10) Phenol	7.26	94	15056	3.612	ng	# 99
19) n-Nitroso-di-n-propylamine	9.21	70	50793	17.028	ng	# 68
50) Dimethylphthalate	14.13	163	100744	8.089	ng	# 96
57) 2,4-Dinitrotoluene	14.68	165	22572	5.812	ng	# 25
67) 4-Bromophenyl-phenylether	16.16	248	27823	5.459	ng	# 1
77) Benzidine	20.03	184	34284	3.278	ng	# 95

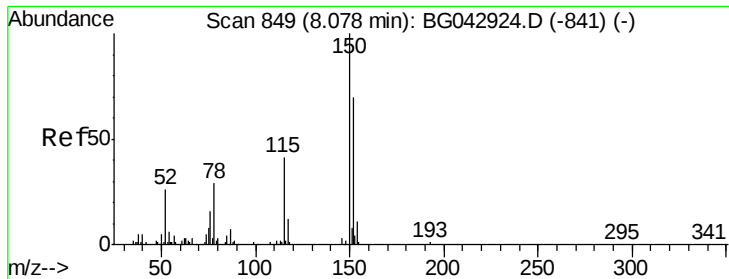
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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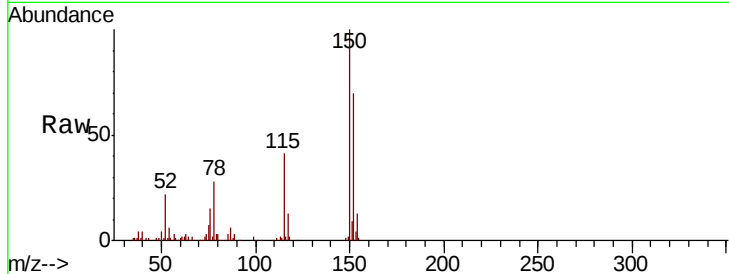


#1

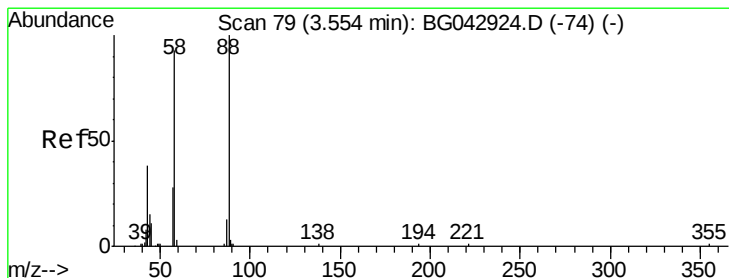
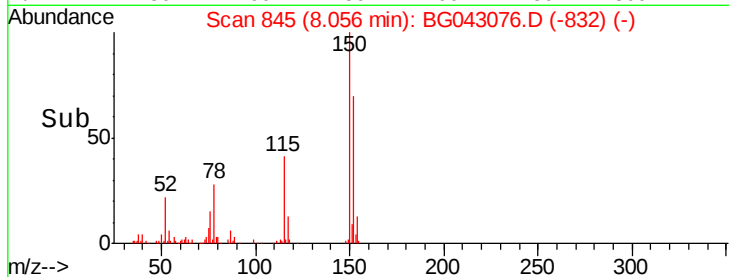
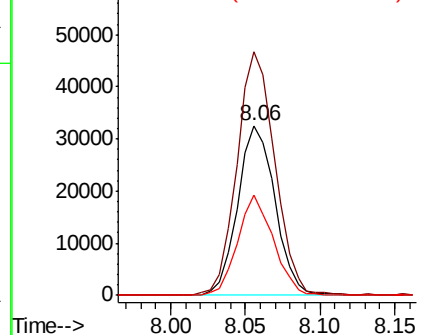
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 845
Delta R.T. -0.02 min
Lab File: BG043076.D
Acq: 7 Oct 2019 20:27

Instrument :
BNA_G
ClientSampleId :
MW-101S

Tot Ion:152 Resp: 56297
Ion Ratio Lower Upper
152 100
150 143.6 115.0 172.4
115 59.0 47.0 70.6



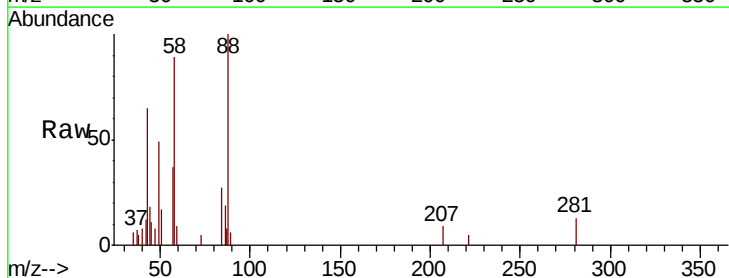
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



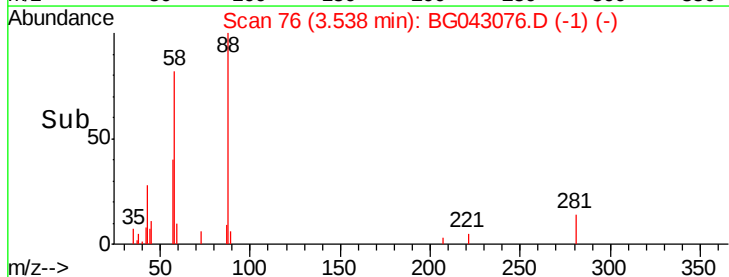
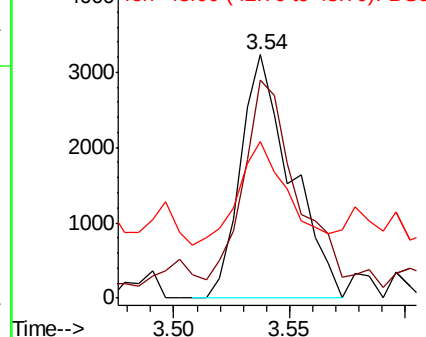
#2

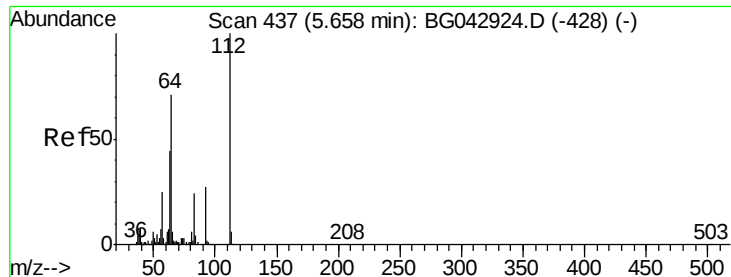
1,4-Dioxane
Concen: 3.740 ng
RT: 3.54 min Scan# 76
Delta R.T. -0.02 min
Lab File: BG043076.D
Acq: 7 Oct 2019 20:27

Tgt Ion: 88 Resp: 4919
Ion Ratio Lower Upper
88 100
58 91.5 74.3 111.5
43 0.0 29.8 44.8#



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: 79.692 ng

RT: 5.64 min Scan# 434

Delta R.T. -0.02 min

Lab File: BG043076.D

Acq: 7 Oct 2019 20:27

Instrument :

BNA_G

ClientSampleId :

MW-101S

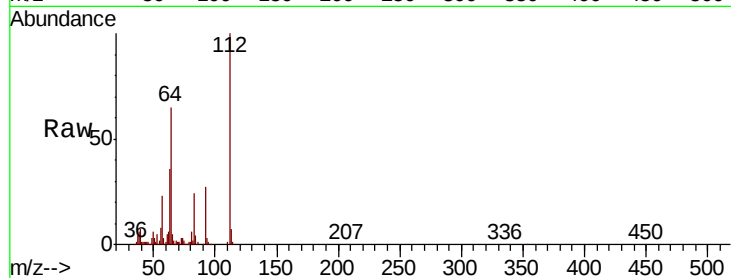
Tot Ion:112 Resp: 251392

Ion Ratio Lower Upper

112 100

64 65.4 56.6 84.8

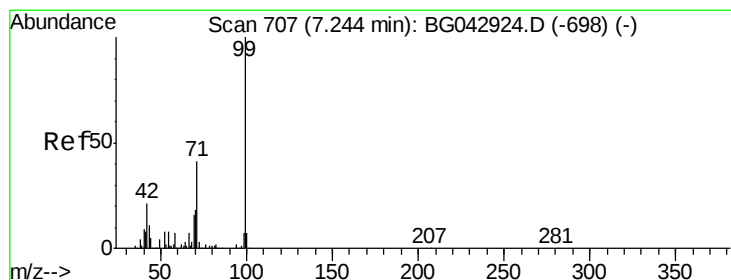
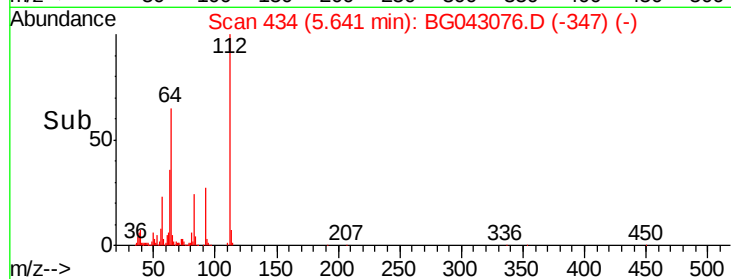
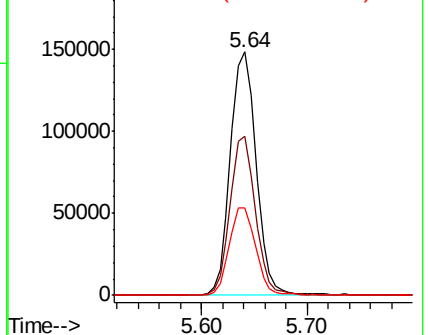
63 36.1 35.1 52.7



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: 52.833 ng

RT: 7.23 min Scan# 704

Delta R.T. -0.02 min

Lab File: BG043076.D

Acq: 7 Oct 2019 20:27

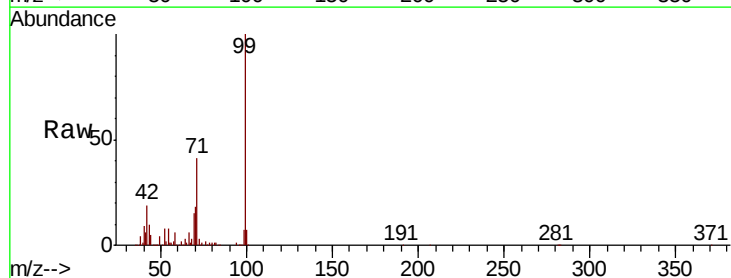
Tgt Ion: 99 Resp: 240007

Ion Ratio Lower Upper

99 100

42 19.1 17.2 25.8

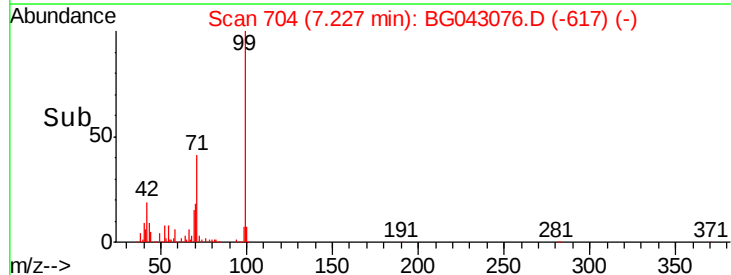
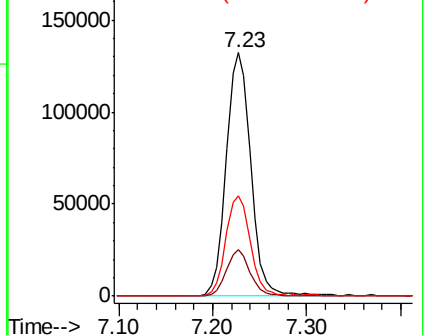
71 41.0 33.1 49.7

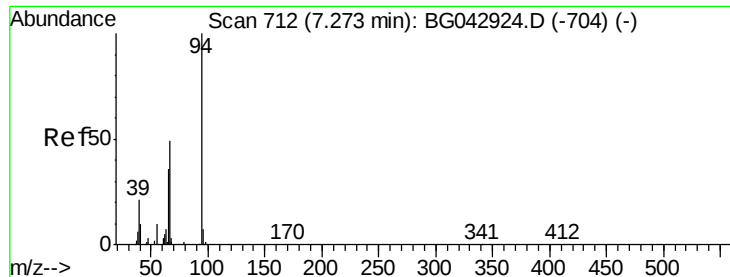


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 3.612 ng

RT: 7.26 min Scan# 709

Delta R.T. -0.02 min

Lab File: BG043076.D

Acq: 7 Oct 2019 20:27

Instrument :

BNA_G

ClientSampleId :

MW-101S

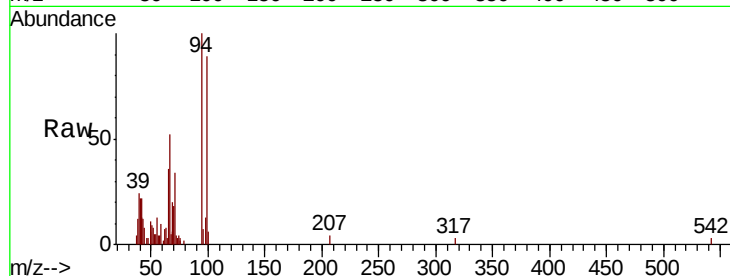
Tot Ion: 94 Resp: 15056

Ion Ratio Lower Upper

94 100

65 35.6 16.6 56.6

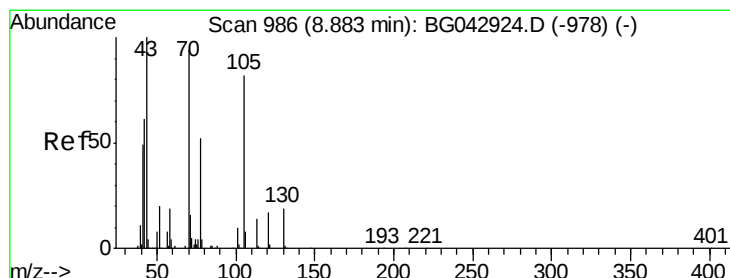
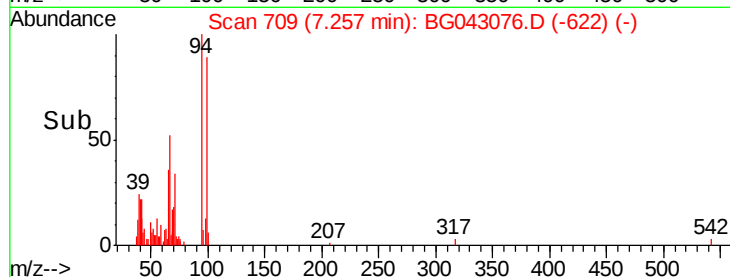
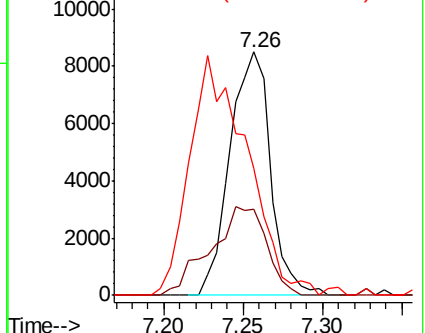
66 52.3 32.4 72.4



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: 17.028 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.33 min

Lab File: BG043076.D

Acq: 7 Oct 2019 20:27

Tgt Ion: 70 Resp: 50793

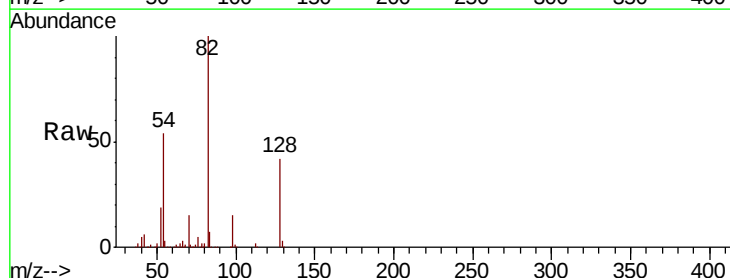
Ion Ratio Lower Upper

70 100

42 41.2 52.6 79.0#

101 0.0 8.7 13.1#

130 2.6 15.8 23.8#

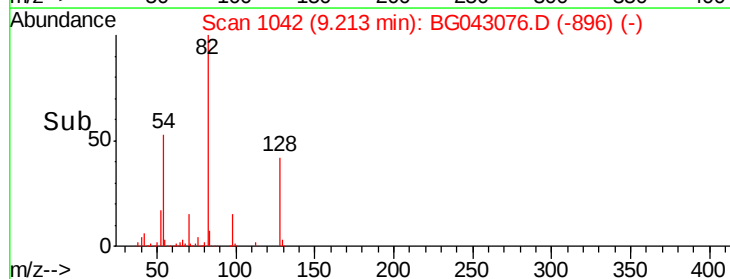
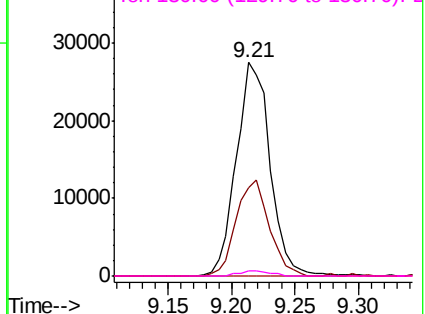


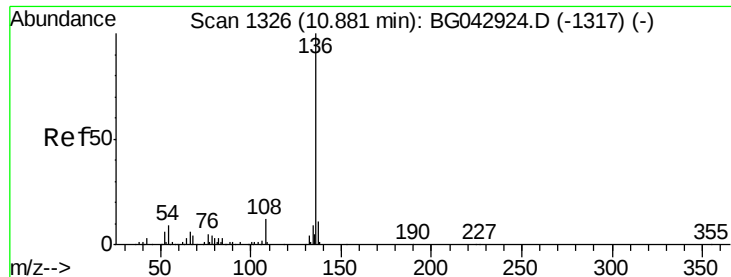
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

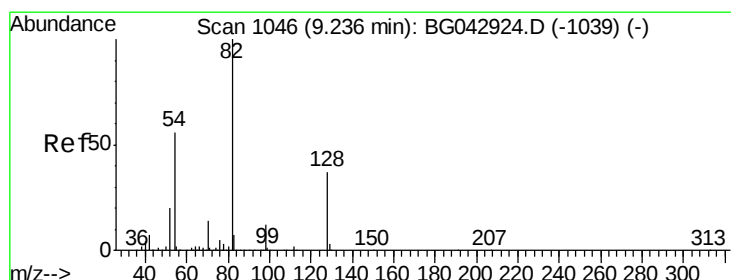
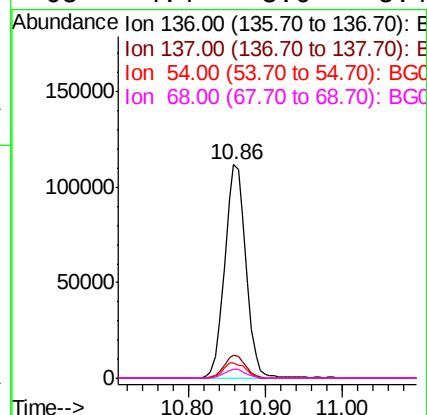
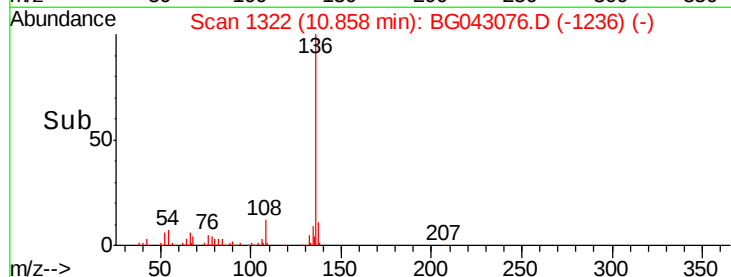
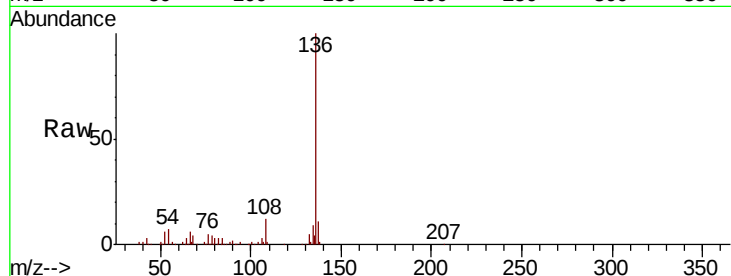




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.02 min
Lab File: BG043076.D
Acq: 7 Oct 2019 20:27

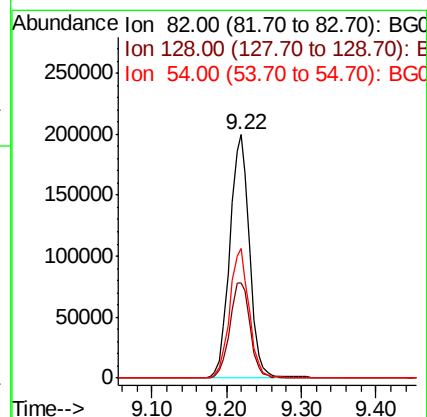
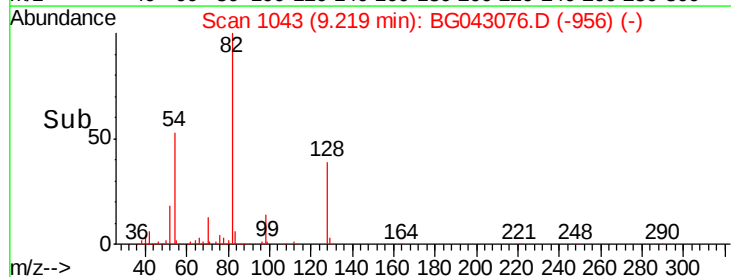
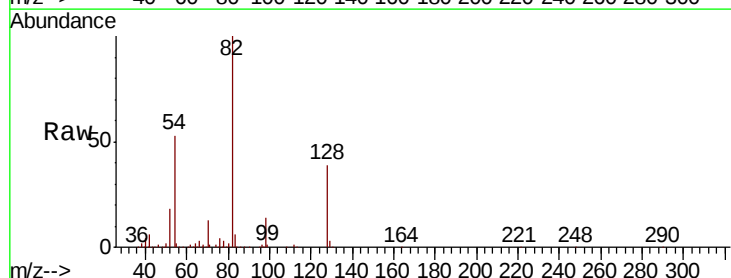
Instrument :
BNA_G
ClientSampleId :
MW-101S

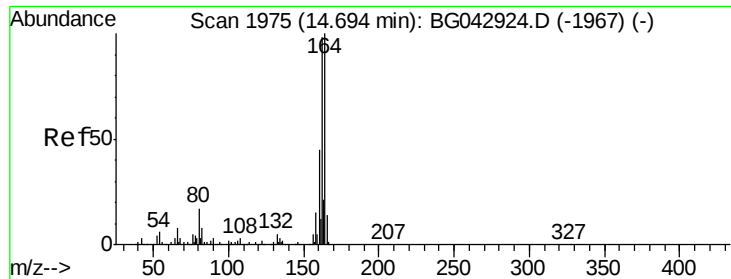
Tot Ion:136	Resp:	213482
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.5 12.7
54	7.3	7.4 11.2#
68	4.4	3.6 5.4



#23
Nitrobenzene-d5
Concen: 83.947 ng
RT: 9.22 min Scan# 1043
Delta R.T. -0.02 min
Lab File: BG043076.D
Acq: 7 Oct 2019 20:27

Tgt Ion: 82	Resp:	368711
Ion	Ratio	Lower Upper
82	100	
128	39.3	29.5 44.3
54	53.1	44.6 67.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.02 min

Lab File: BG043076.D

Acq: 7 Oct 2019 20:27

Instrument :

BNA_G

ClientSampleId :

MW-101S

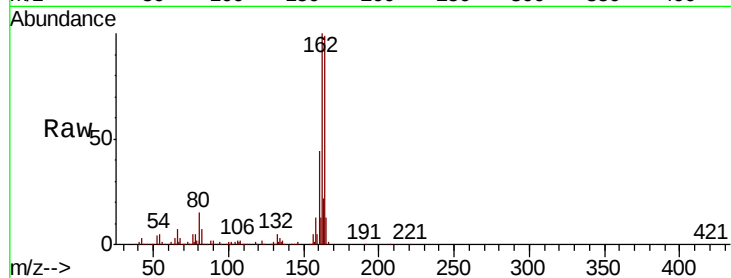
Tot Ion:164 Resp: 166218

Ion Ratio Lower Upper

164 100

162 101.1 78.5 117.7

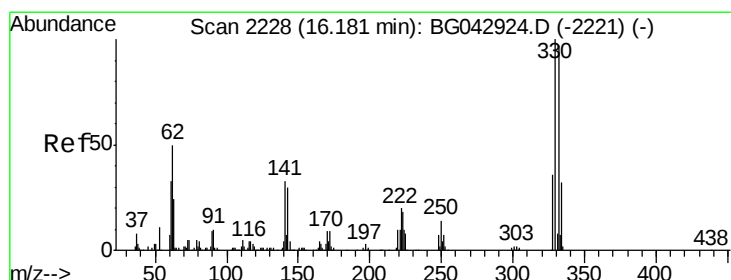
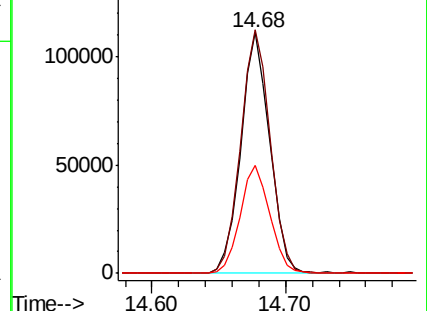
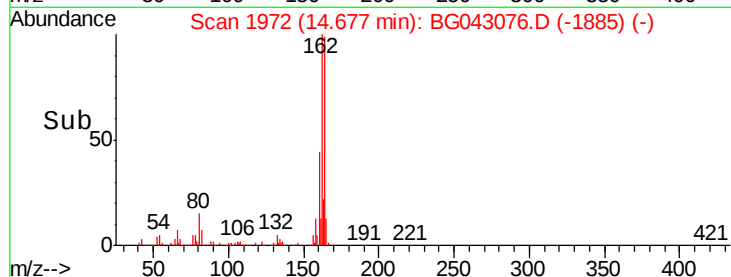
160 44.7 35.9 53.9



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: 148.071 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.02 min

Lab File: BG043076.D

Acq: 7 Oct 2019 20:27

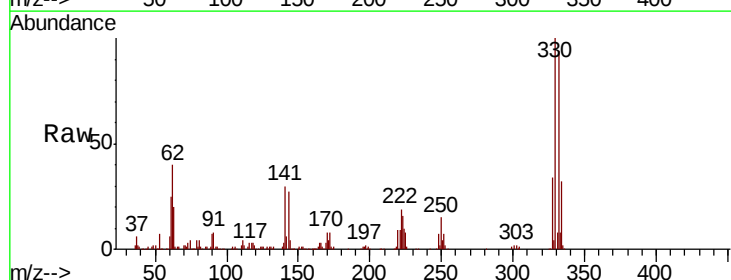
Tgt Ion:330 Resp: 423220

Ion Ratio Lower Upper

330 100

332 94.7 78.2 117.2

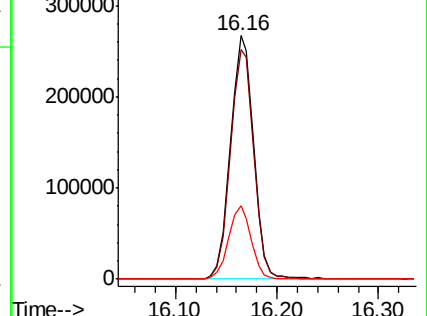
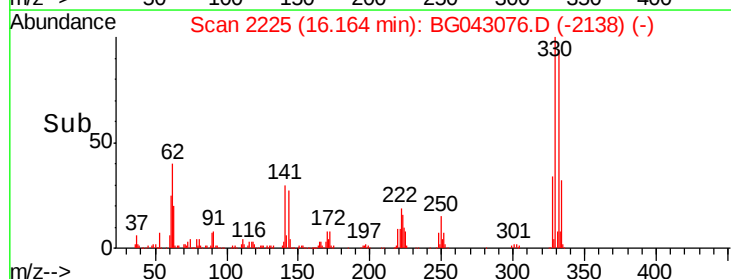
141 29.5 26.0 39.0

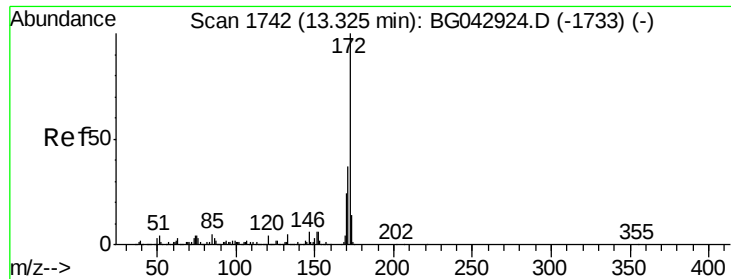


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

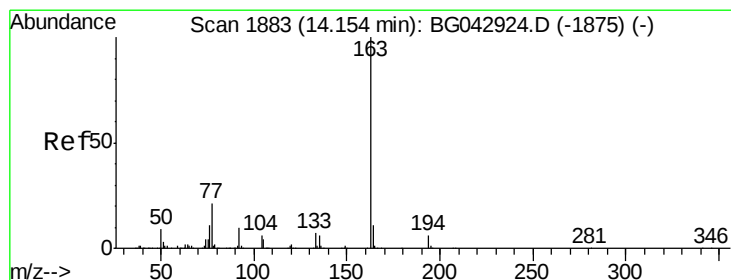
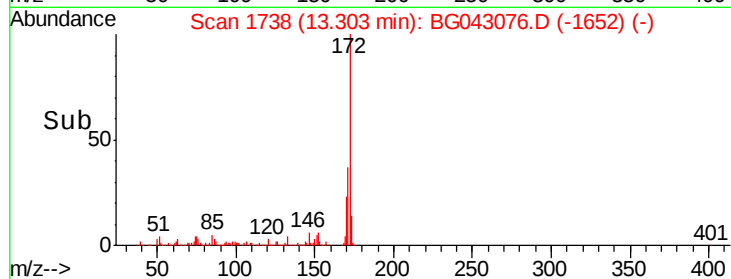
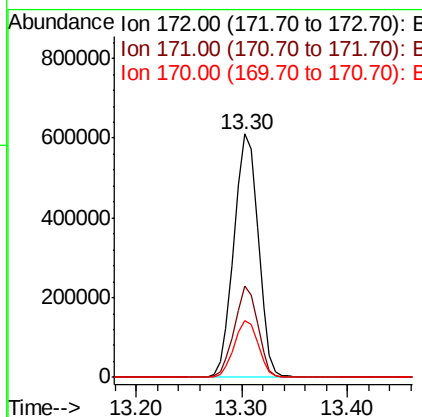
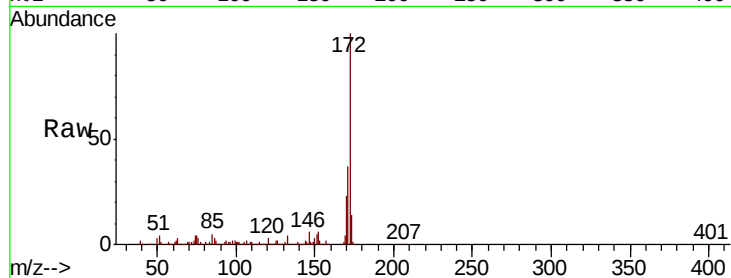




#45
2-Fluorobiphenyl
Concen: 84.957 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.02 min
Lab File: BG043076.D
Acq: 7 Oct 2019 20:27

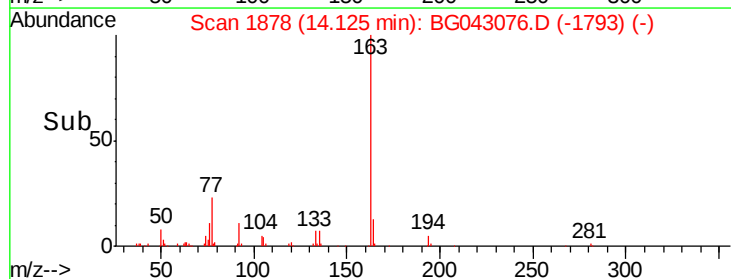
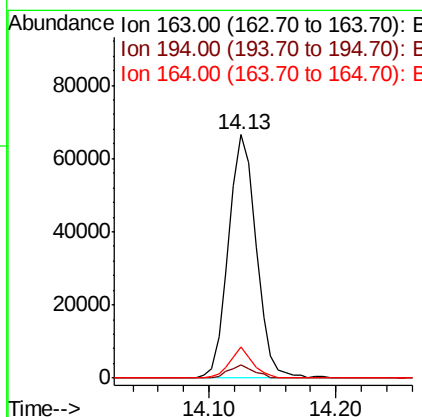
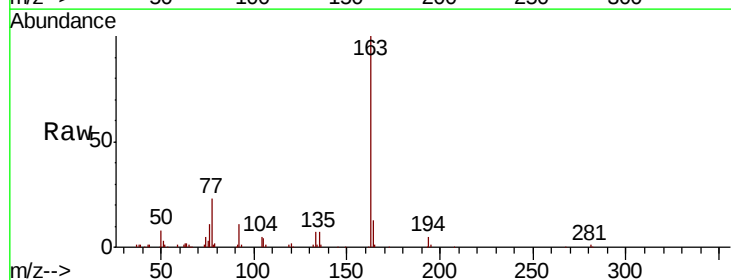
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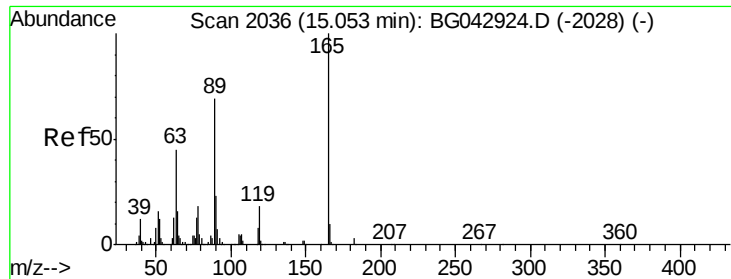
Tot Ion:172 Resp: 974089
Ion Ratio Lower Upper
172 100
171 37.4 29.6 44.4
170 23.2 19.6 29.4



#50
Dimethylphthalate
Concen: 8.089 ng
RT: 14.13 min Scan# 1878
Delta R.T. -0.03 min
Lab File: BG043076.D
Acq: 7 Oct 2019 20:27

Tgt Ion:163 Resp: 100744
Ion Ratio Lower Upper
163 100
194 5.5 4.4 6.6
164 12.7 8.6 12.8

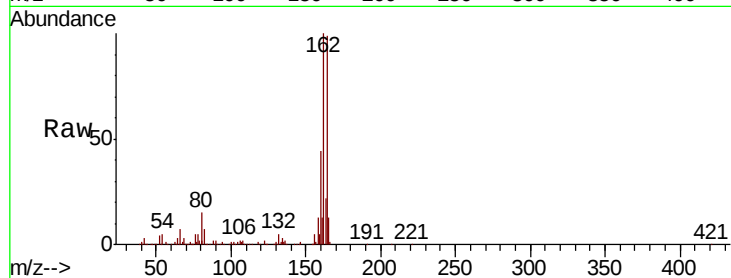




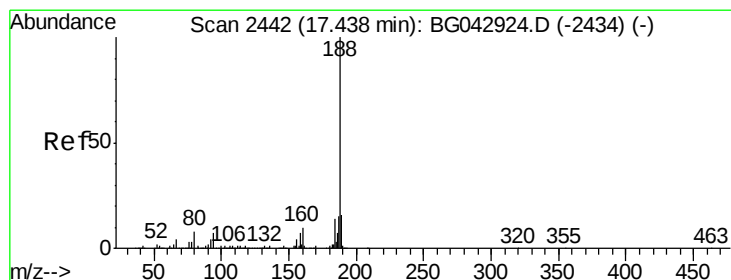
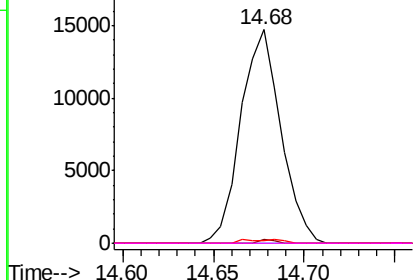
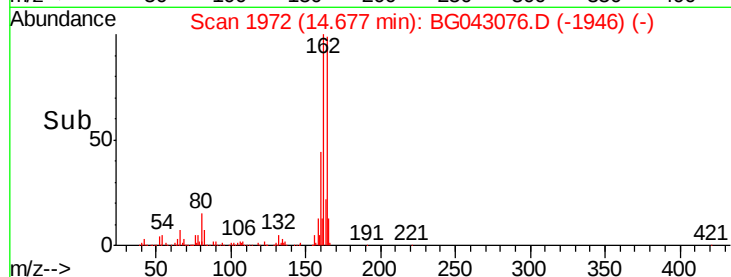
#57
 2,4-Dinitrotoluene
 Concen: 5.812 ng
 RT: 14.68 min Scan# 1972
 Delta R.T. -0.38 min
 Lab File: BG043076.D
 Acq: 7 Oct 2019 20:27

Instrument :
 BNA_G
 ClientSampleId :
 MW-101S

Tot Ion:165 Resp: 22572
 Ion Ratio Lower Upper
 165 100
 63 1.8 36.5 54.7#
 89 1.0 55.5 83.3#
 182 0.0 2.4 3.6#

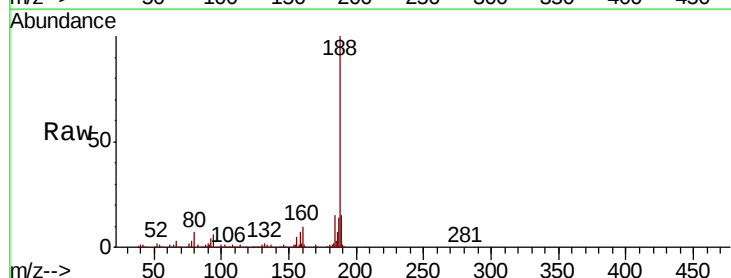


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

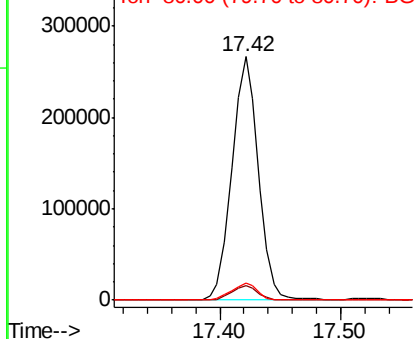
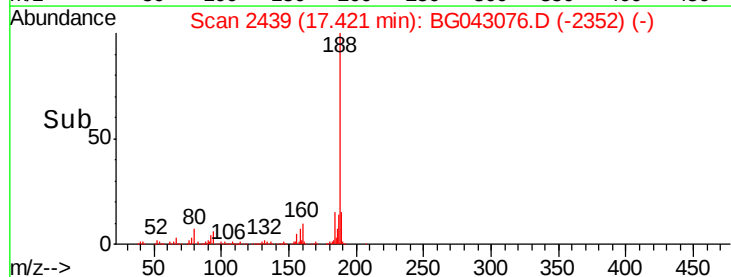


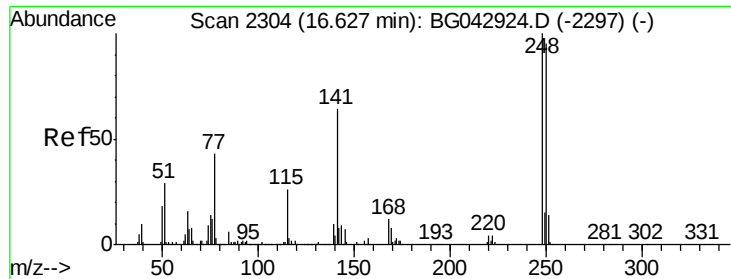
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.02 min
 Lab File: BG043076.D
 Acq: 7 Oct 2019 20:27

Tgt Ion:188 Resp: 406046
 Ion Ratio Lower Upper
 188 100
 94 5.8 5.7 8.5
 80 6.8 6.5 9.7



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

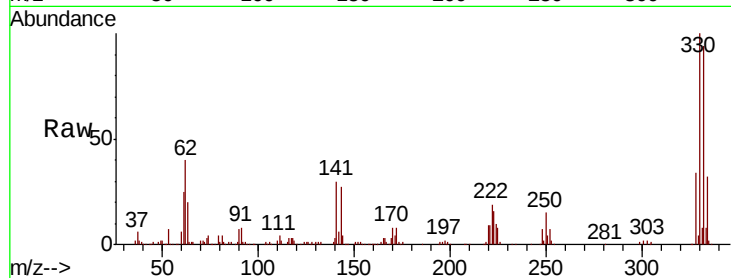




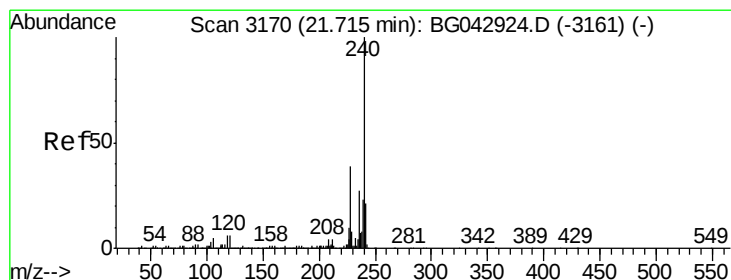
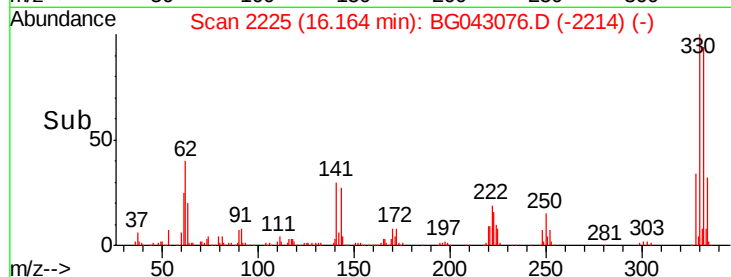
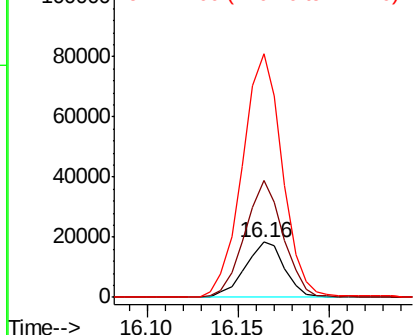
#67
 4-Bromophenyl-phenylether
 Concen: 5.459 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.46 min
 Lab File: BG043076.D
 Acq: 7 Oct 2019 20:27

Instrument :
 BNA_G
 ClientSampleId :
 MW-101S

Tot Ion:248 Resp: 27823
 Ion Ratio Lower Upper
 248 100
 250 211.5 75.8 113.8#
 141 441.8 51.1 76.7#

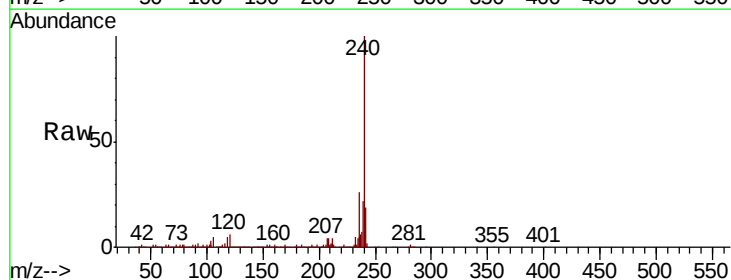


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

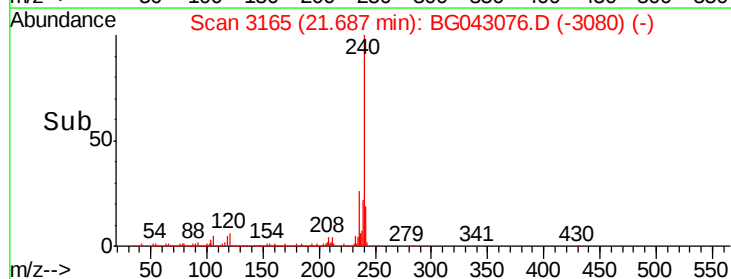
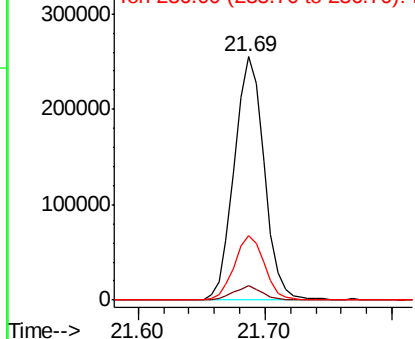


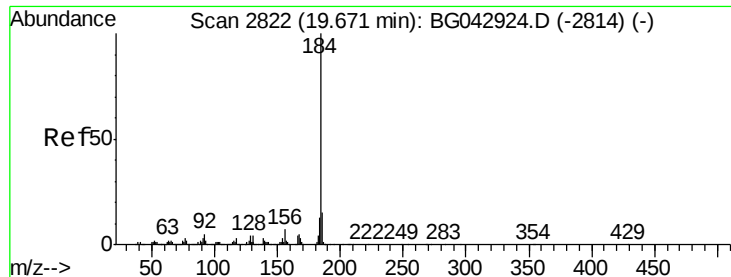
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3165
 Delta R.T. -0.03 min
 Lab File: BG043076.D
 Acq: 7 Oct 2019 20:27

Tgt Ion:240 Resp: 417644
 Ion Ratio Lower Upper
 240 100
 120 6.1 4.8 7.2
 236 26.2 21.4 32.0



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: 3.278 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.36 min

Lab File: BG043076.D

Acq: 7 Oct 2019 20:27

Instrument :

BNA_G

ClientSampleId :

MW-101S

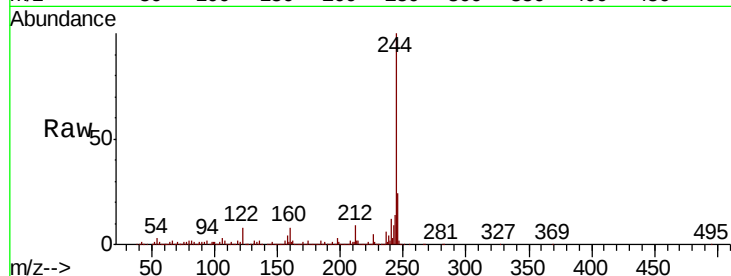
Tot Ion:184 Resp: 34284

Ion Ratio Lower Upper

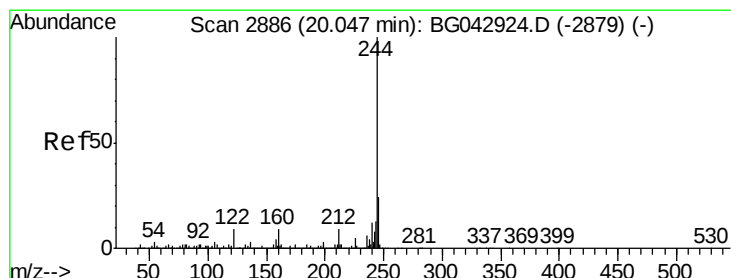
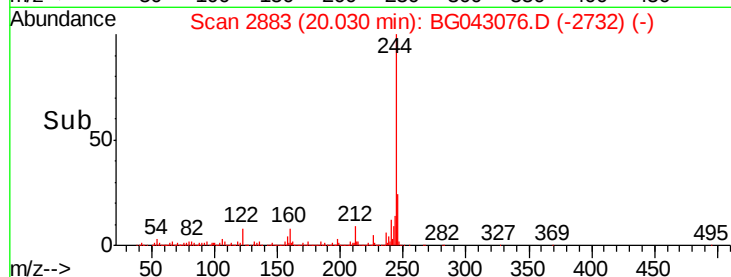
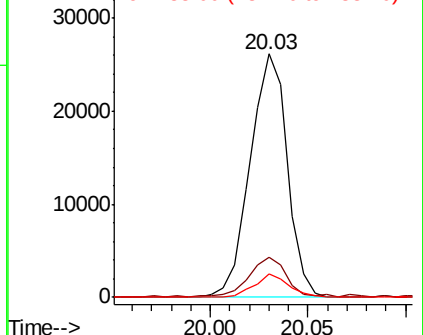
184 100

185 16.3 11.8 17.8

183 9.7 10.1 15.1#



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: 102.777 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.02 min

Lab File: BG043076.D

Acq: 7 Oct 2019 20:27

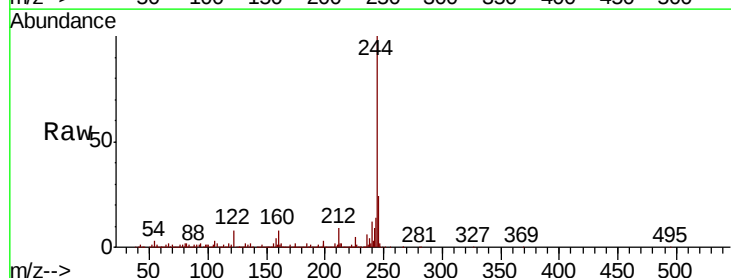
Tgt Ion:244 Resp: 2014391

Ion Ratio Lower Upper

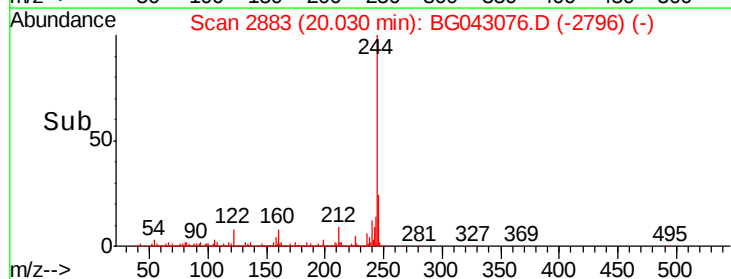
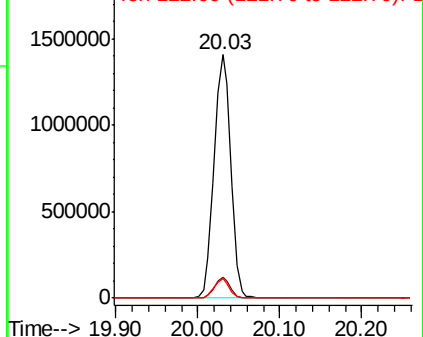
244 100

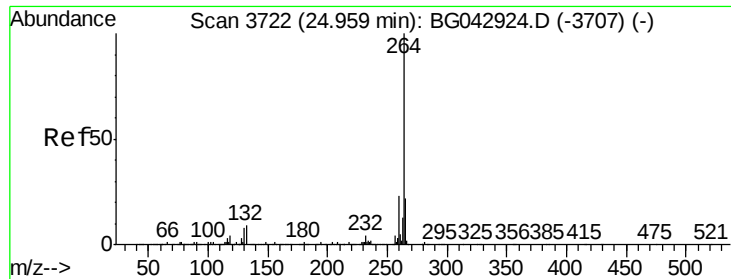
212 8.7 7.4 11.0

122 7.9 7.0 10.4



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

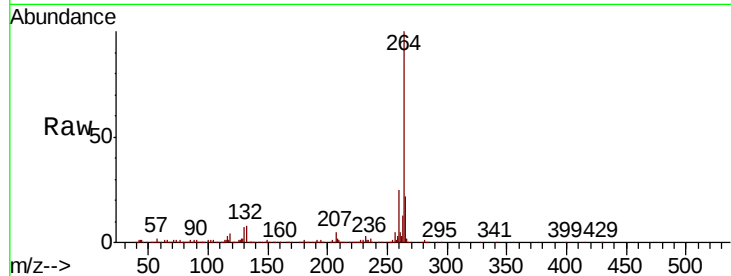




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.91 min Scan# 3713
 Delta R.T. -0.05 min
 Lab File: BG043076.D
 Acq: 7 Oct 2019 20:27

Instrument :
 BNA_G
 ClientSampleId :
 MW-101S

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	18.7	28.1
265	21.6	17.7	26.5



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

