

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020719\
 Data File : BG039391.D
 Acq On : 7 Feb 2019 20:57
 Operator : JU/SJ
 Sample : K1392-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-7

Quant Time: Feb 08 09:14:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	53481	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	235325	20.00	ng	0.00
39) Acenaphthene-d10	14.80	164	156751	20.00	ng	-0.01
64) Phenanthrene-d10	17.55	188	365832	20.00	ng	0.00
76) Chrysene-d12	21.83	240	385847	20.00	ng	-0.01
87) Perylene-d12	25.22	264	395360	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	221892	71.01	ng	0.00
7) Phenol-d6	7.31	99	195234	42.45	ng	0.00
23) Nitrobenzene-d5	9.35	82	447301	118.74	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	272726	161.57	ng	0.00
45) 2-Fluorobiphenyl	13.43	172	1062556	97.24	ng	0.00
79) Terphenyl-d14	20.14	244	1593209	87.40	ng	-0.01

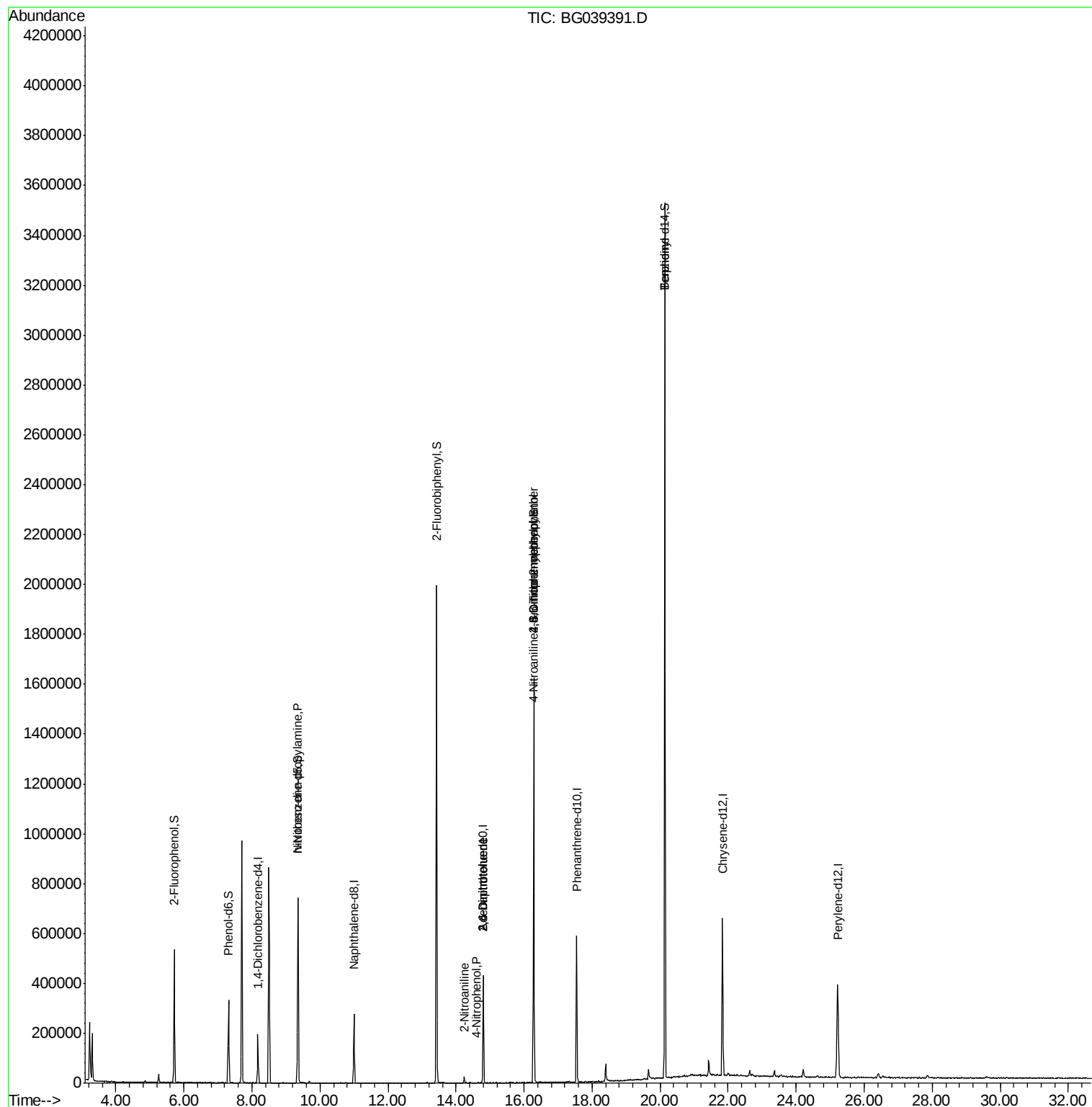
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	480	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.35	70	57158	17.51	ng	74
48) 2-Nitroaniline	14.25	65	55	8.31	ng	1
51) 2,6-Dinitrotoluene	14.80	165	20008	13.86	ng	25
56) 4-Nitrophenol	14.60	139	55	5.82	ng	1
57) 2,4-Dinitrotoluene	14.80	165	20008	13.35	ng	20
62) 4-Nitroaniline	16.27	138	74	4.23	ng	1
65) 4,6-Dinitro-2-methylphenol	16.29	198	1127	5.16	ng	21
67) 4-Bromophenyl-phenylether	16.28	248	22107	5.45	ng	1
77) Benzidine	20.14	184	27512	2.17	ng	95

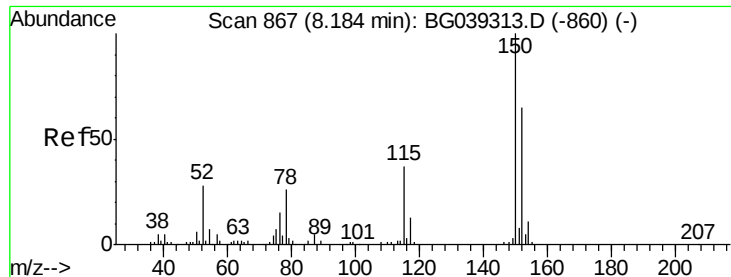
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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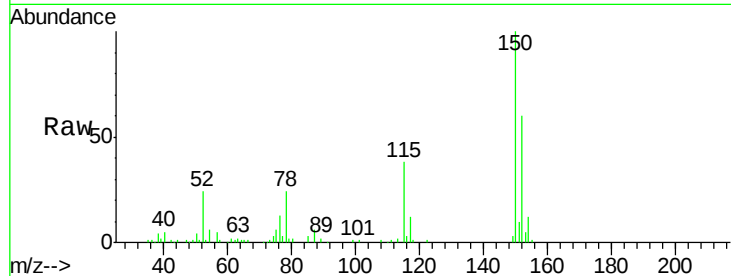


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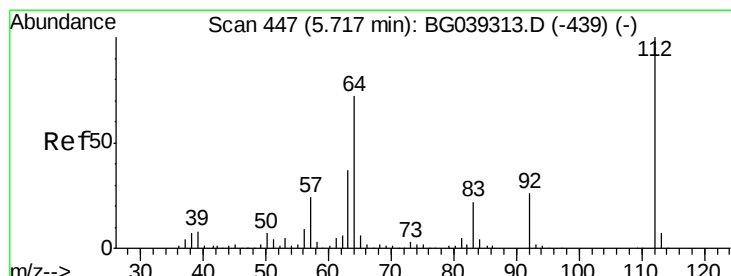
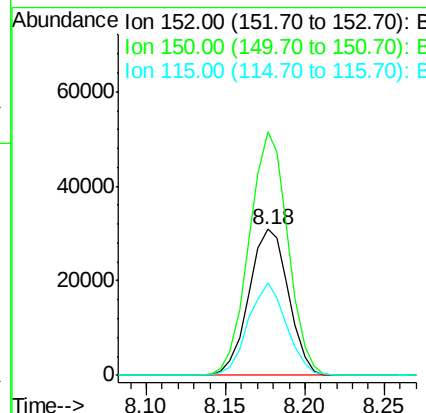
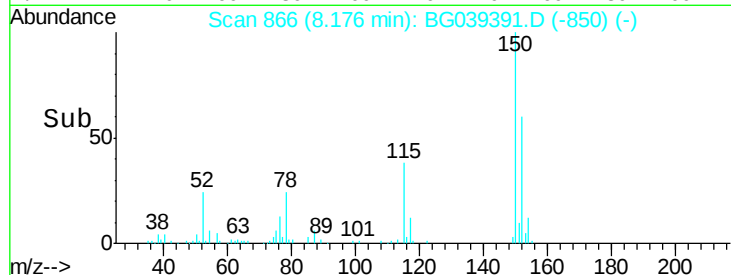
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039391.D
Acq: 7 Feb 2019 20:57

Instrument :
BNA_G
ClientSampleId :
MW-7

Tot Ion	Ratio	Lower	Upper
152	100		
150	167.1	123.7	185.5
115	63.4	45.9	68.9



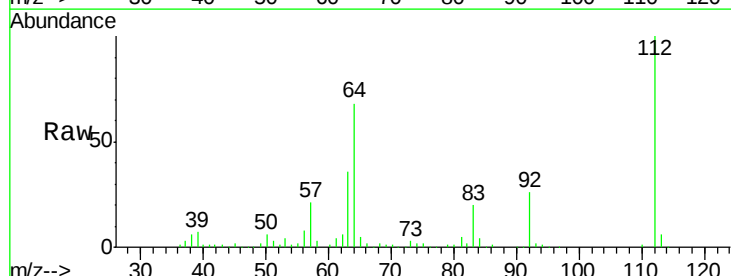
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



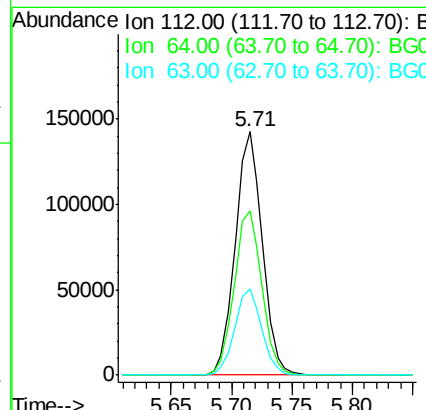
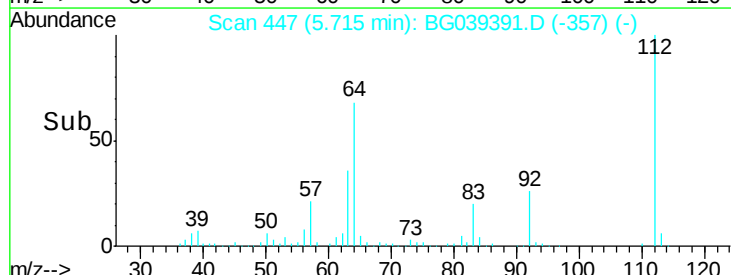
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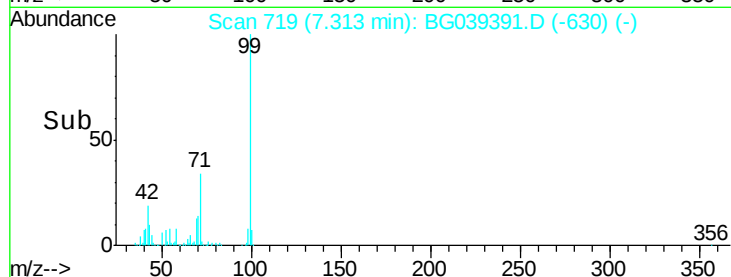
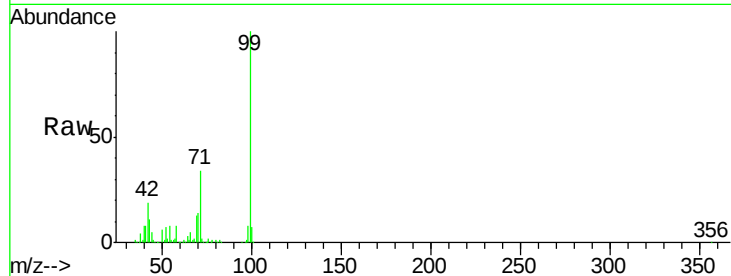
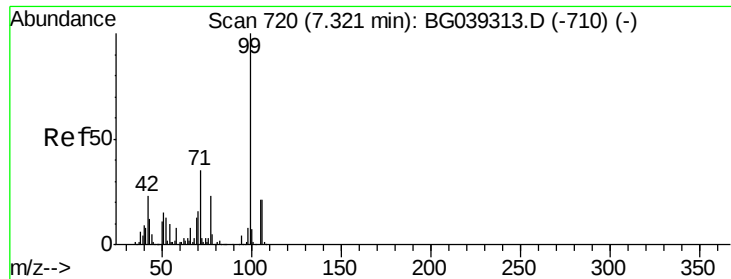
2-Fluorophenol
Concen: 71.01 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039391.D
Acq: 7 Feb 2019 20:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.5	57.8	86.8
63	35.5	29.8	44.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 42.45 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039391.D

Acq: 7 Feb 2019 20:57

Instrument :

BNA_G

ClientSampled :

MW-7

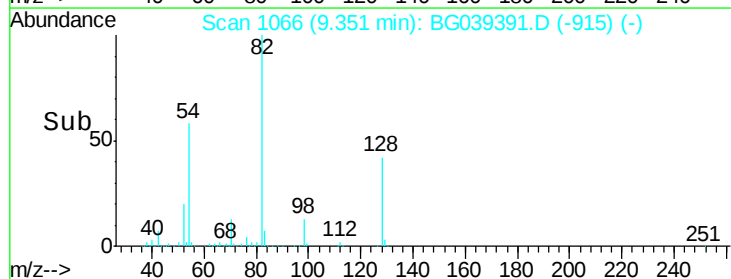
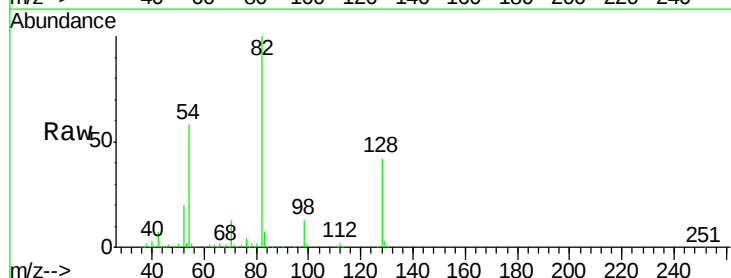
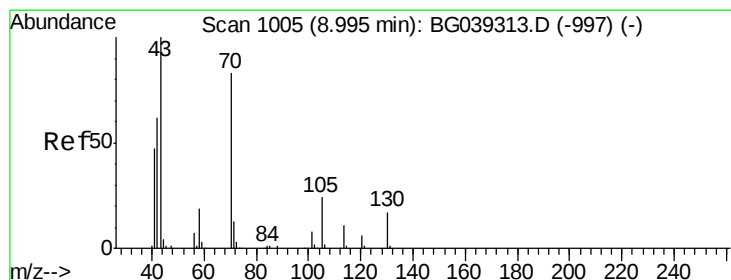
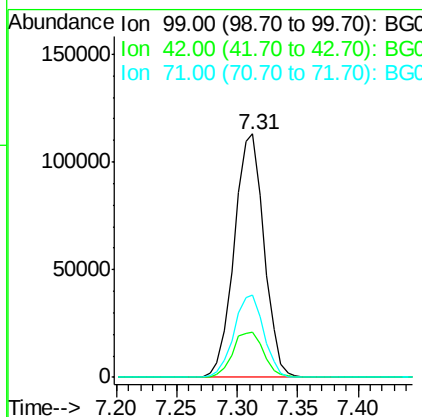
Tot Ion: 99 Resp: 195234

Ion Ratio Lower Upper

99 100

42 18.8 18.2 27.2

71 33.7 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.51 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.36 min

Lab File: BG039391.D

Acq: 7 Feb 2019 20:57

Tgt Ion: 70 Resp: 57158

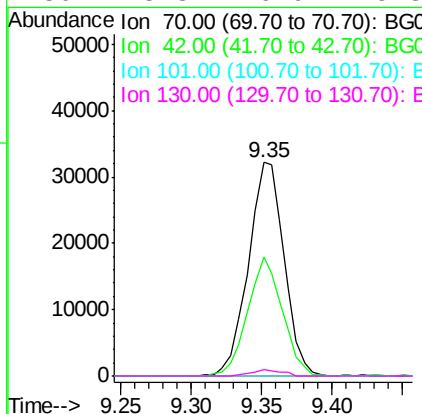
Ion Ratio Lower Upper

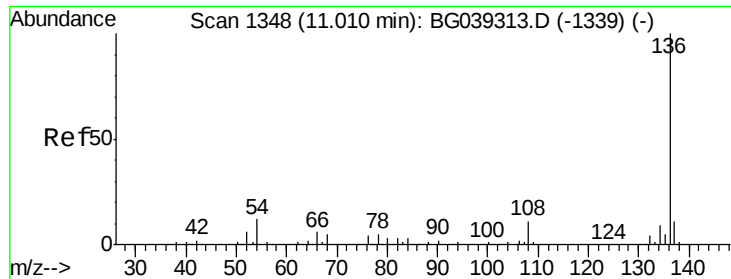
70 100

42 55.5 60.4 90.6#

101 0.0 7.5 11.3#

130 3.3 16.9 25.3#

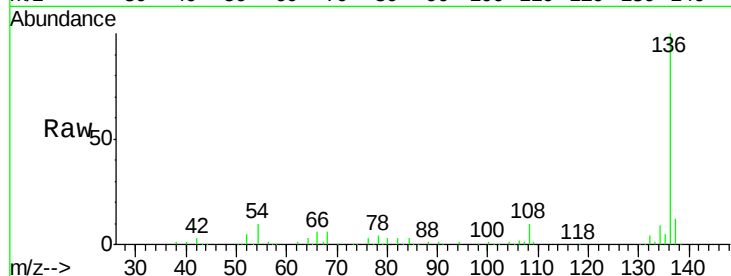




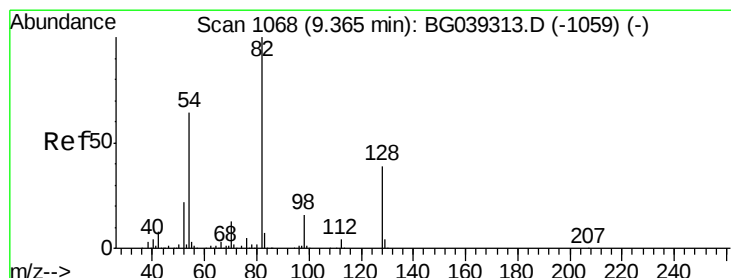
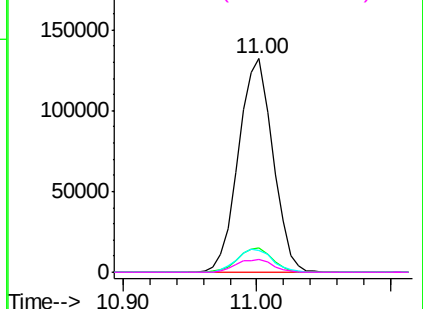
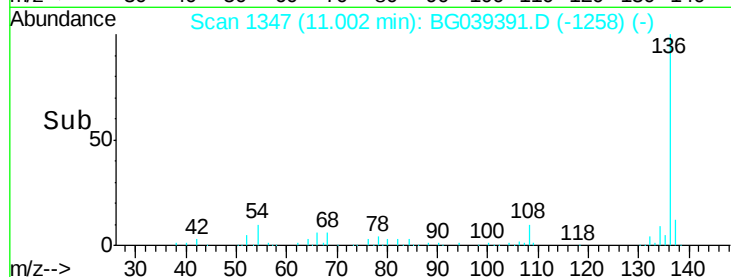
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.00 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BG039391.D
Acq: 7 Feb 2019 20:57

Instrument :
BNA_G
ClientSampleId :
MW-7

Tot Ion:136	Resp:	235325
Ion Ratio	Lower	Upper
136	100	
137	11.5	9.1 13.7
54	10.0	9.4 14.2
68	5.8	4.2 6.4

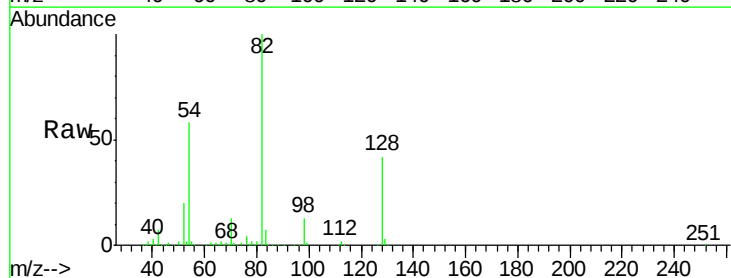


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

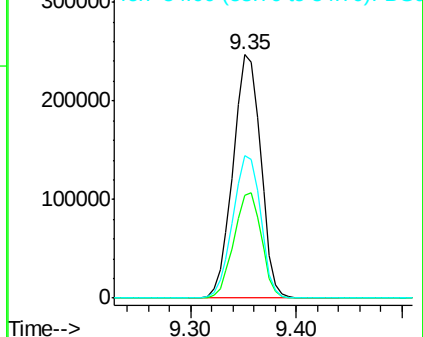
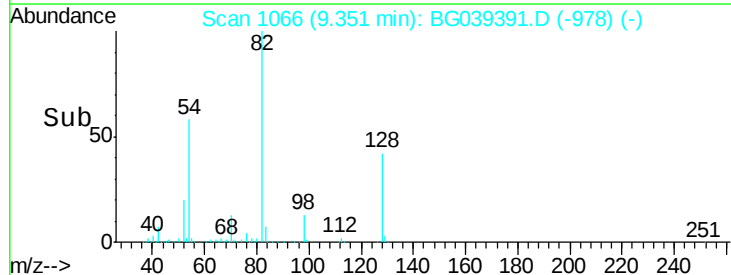


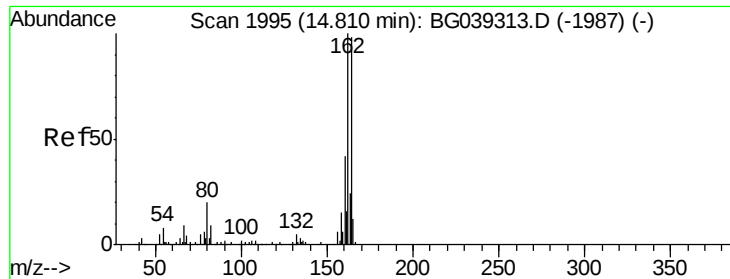
#23
Nitrobenzene-d5
Concen: 118.74 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039391.D
Acq: 7 Feb 2019 20:57

Tgt Ion: 82	Resp:	447301
Ion Ratio	Lower	Upper
82	100	
128	42.5	31.3 46.9
54	58.5	50.9 76.3



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

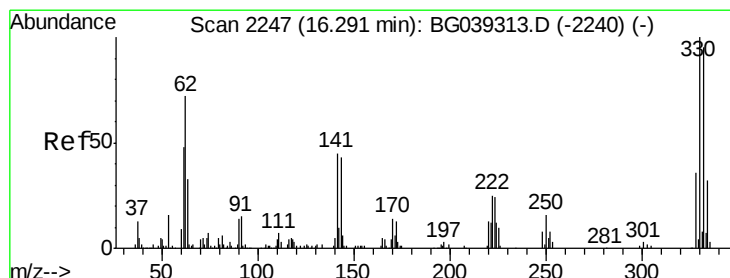
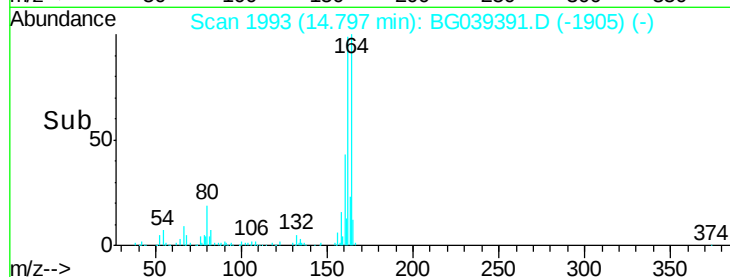
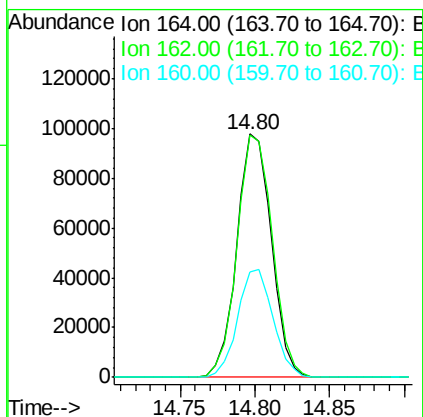
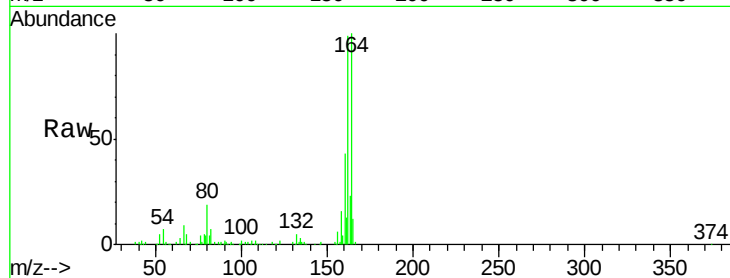




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BG039391.D
Acq: 7 Feb 2019 20:57

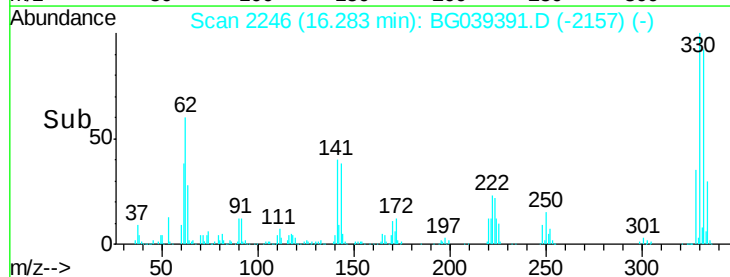
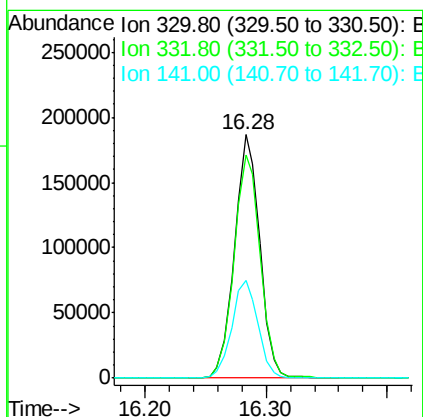
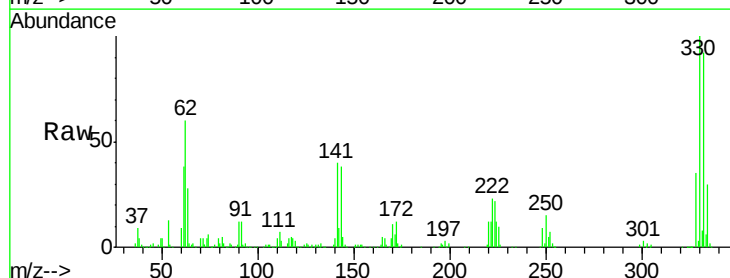
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MW-7

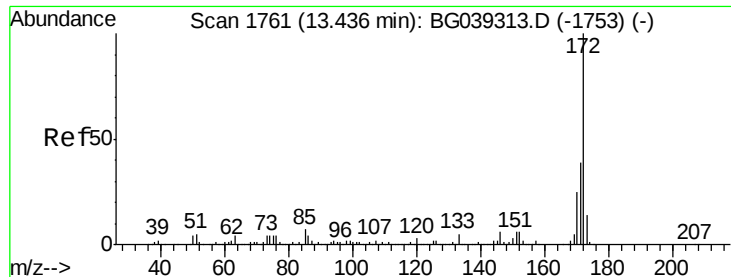
Tot Ion	Ratio	Lower	Upper
164	100		
162	99.4	81.6	122.4
160	43.2	34.2	51.2



#42
2,4,6-Tribromophenol
Concen: 161.57 ng
RT: 16.28 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BG039391.D
Acq: 7 Feb 2019 20:57

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	75.7	113.5
141	41.5	35.6	53.4

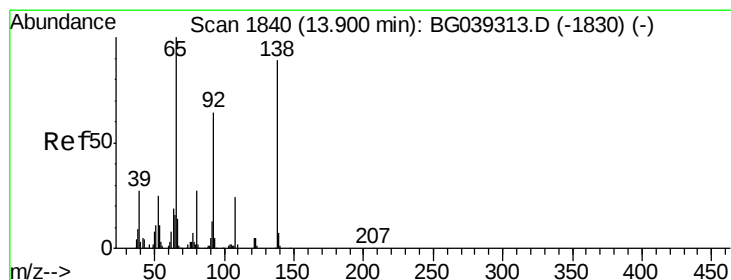
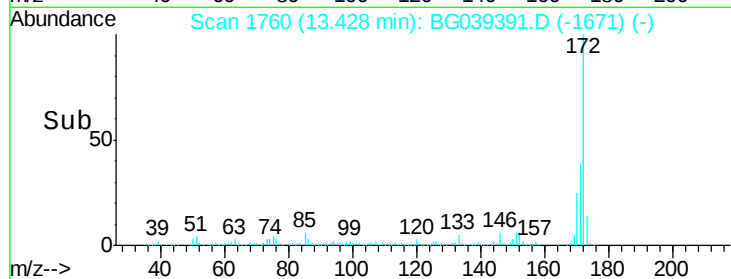
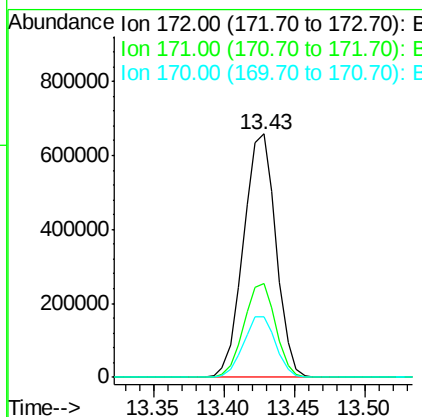
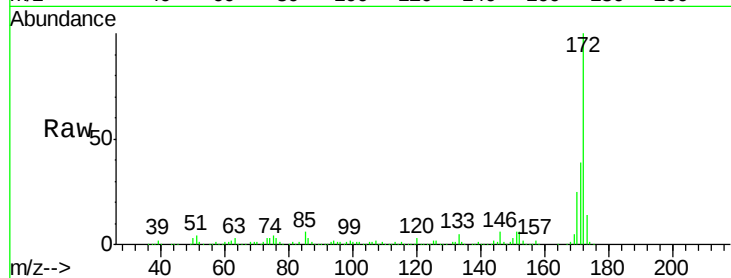




#45
 2-Fluorobiphenyl
 Concen: 97.24 ng
 RT: 13.43 min Scan# 1760
 Delta R.T. -0.01 min
 Lab File: BG039391.D
 Acq: 7 Feb 2019 20:57

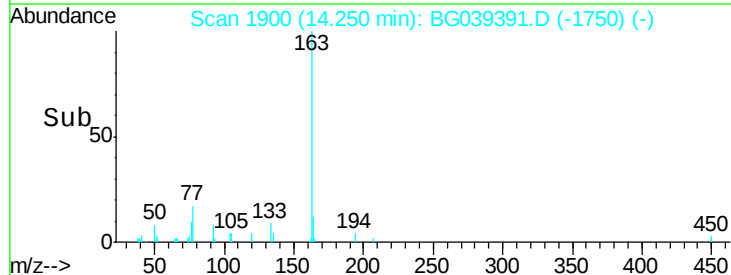
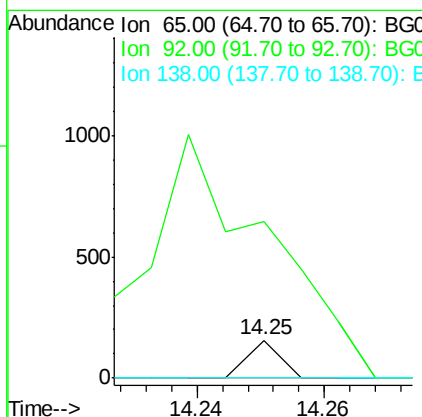
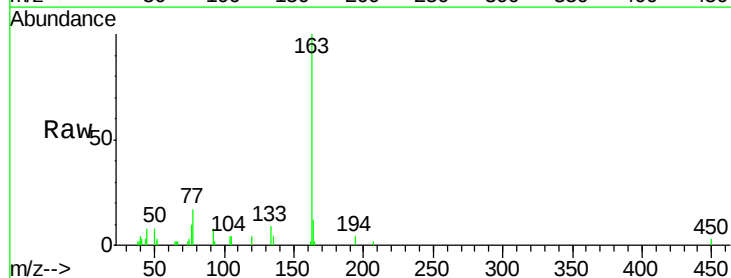
Instrument :
 BNA_G
 ClientSampleId :
 MW-7

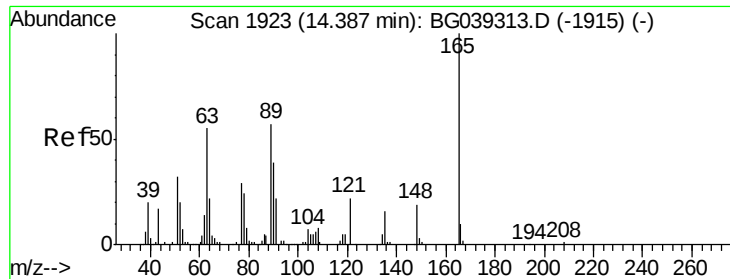
Tot Ion:172 Resp: 1062556
 Ion Ratio Lower Upper
 172 100
 171 38.5 30.8 46.2
 170 24.9 20.2 30.4



#48
 2-Nitroaniline
 Concen: 8.31 ng
 RT: 14.25 min Scan# 1900
 Delta R.T. 0.35 min
 Lab File: BG039391.D
 Acq: 7 Feb 2019 20:57

Tgt Ion: 65 Resp: 55
 Ion Ratio Lower Upper
 65 100
 92 413.5 51.4 77.2#
 138 0.0 71.4 107.2#

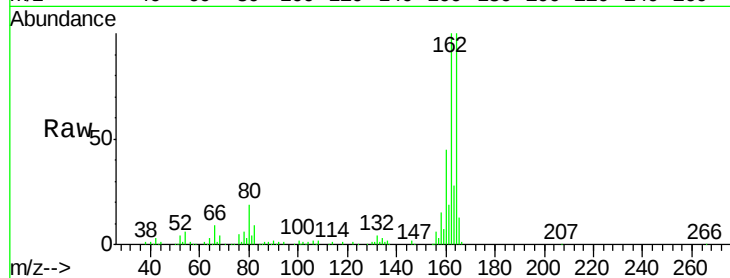




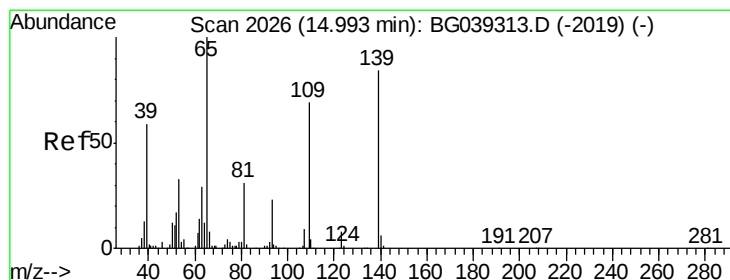
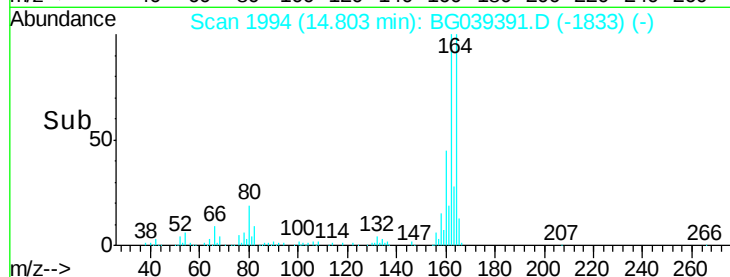
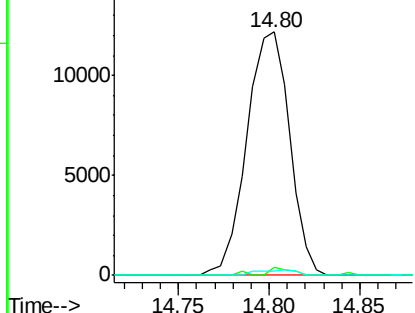
#51
 2,6-Dinitrotoluene
 Concen: 13.86 ng
 RT: 14.80 min Scan# 1994
 Delta R.T. 0.42 min
 Lab File: BG039391.D
 Acq: 7 Feb 2019 20:57

Instrument :
 BNA_G
 ClientSampleId :
 MW-7

Tot Ion:165 Resp: 20008
 Ion Ratio Lower Upper
 165 100
 63 3.4 47.0 70.6#
 89 1.8 45.8 68.8#

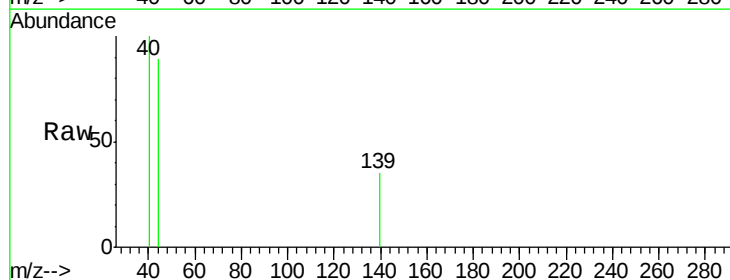


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

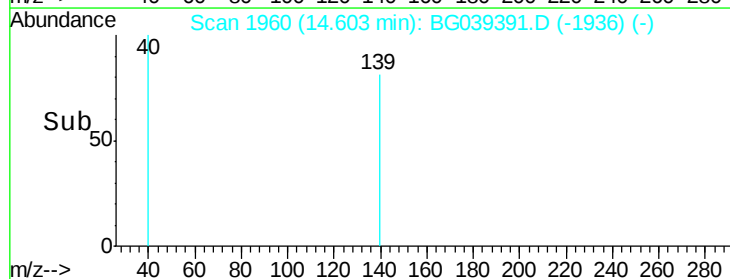
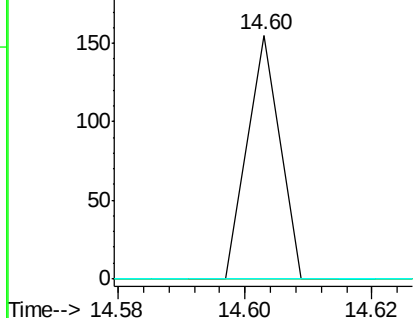


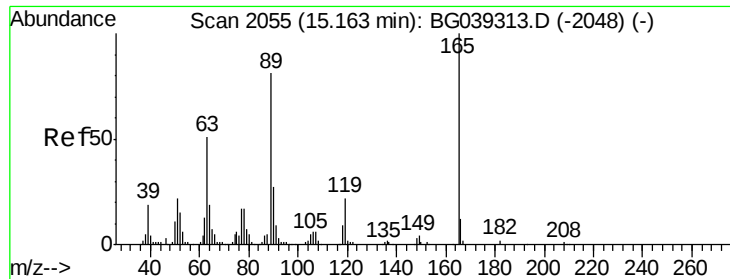
#56
 4-Nitrophenol
 Concen: 5.82 ng
 RT: 14.60 min Scan# 1960
 Delta R.T. -0.39 min
 Lab File: BG039391.D
 Acq: 7 Feb 2019 20:57

Tgt Ion:139 Resp: 55
 Ion Ratio Lower Upper
 139 100
 109 0.0 61.9 101.9#
 65 0.0 99.1 139.1#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BGC

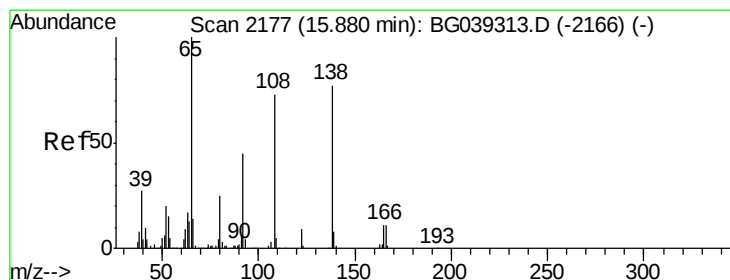
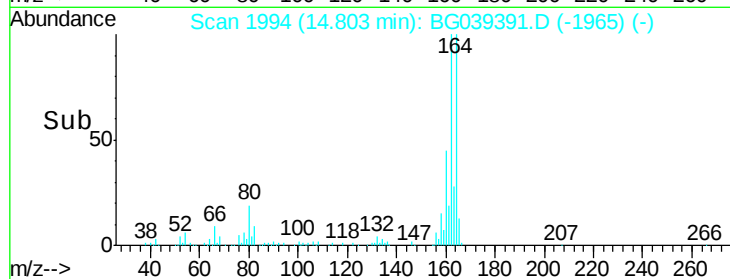
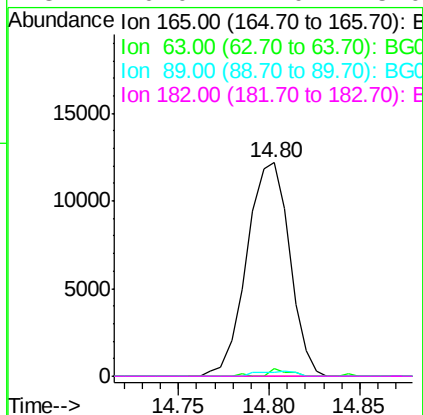
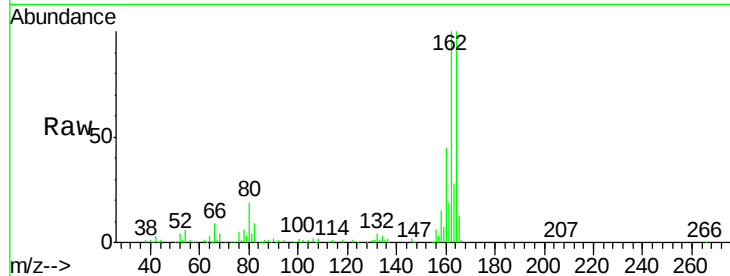




#57
 2,4-Dinitrotoluene
 Concen: 13.35 ng
 RT: 14.80 min Scan# 1994
 Delta R.T. -0.36 min
 Lab File: BG039391.D
 Acq: 7 Feb 2019 20:57

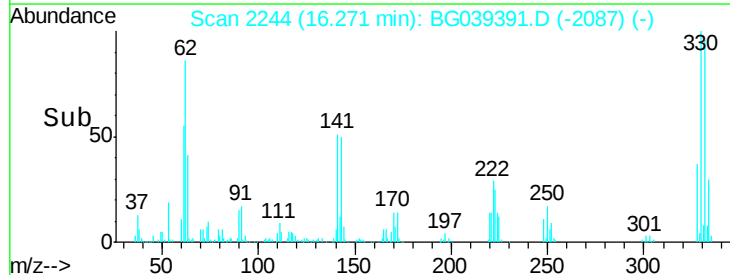
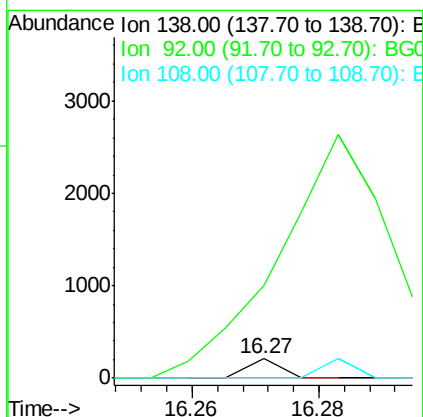
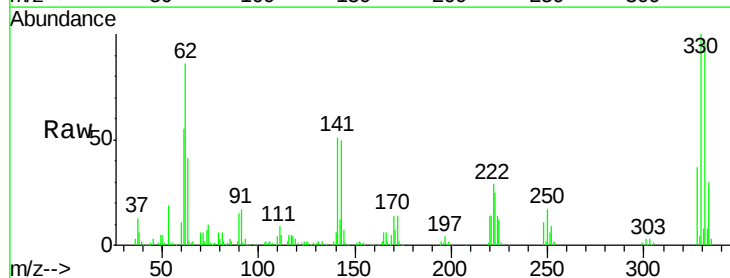
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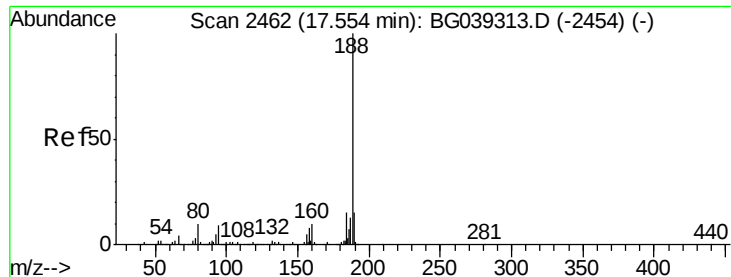
Tot Ion	Ratio	Lower	Upper
165	100		
63	3.4	41.0	61.6#
89	1.8	64.6	96.8#
182	0.0	2.0	3.0#



#62
 4-Nitroaniline
 Concen: 4.23 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. 0.39 min
 Lab File: BG039391.D
 Acq: 7 Feb 2019 20:57

Tgt Ion	Ratio	Lower	Upper
138	100		
92	477.5	38.7	78.7#
108	0.0	74.6	114.6#





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.55 min Scan# 2461

Delta R.T. -0.01 min

Lab File: BG039391.D

Acq: 7 Feb 2019 20:57

Instrument :

BNA_G

ClientSampleId :

MW-7

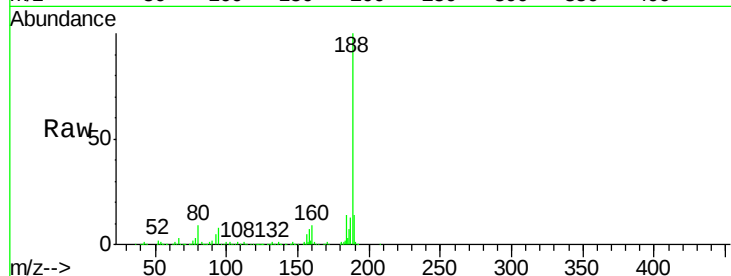
Tot Ion:188 Resp: 365832

Ion Ratio Lower Upper

188 100

94 8.2 6.9 10.3

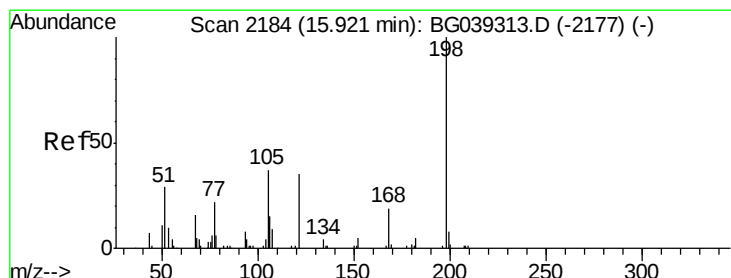
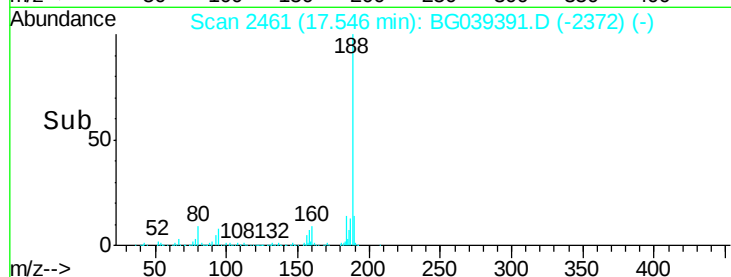
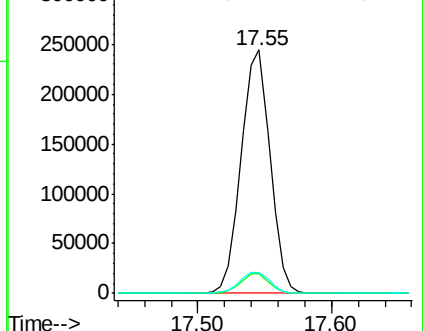
80 8.8 8.1 12.1



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: 5.16 ng

RT: 16.29 min Scan# 2247

Delta R.T. 0.37 min

Lab File: BG039391.D

Acq: 7 Feb 2019 20:57

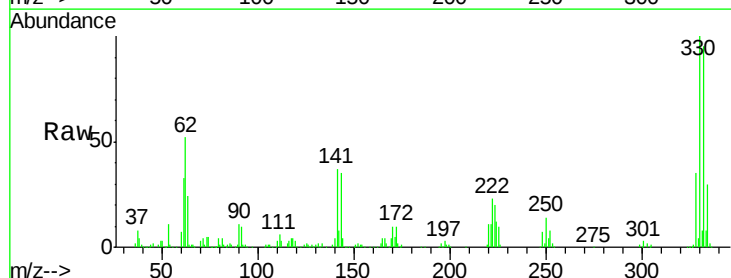
Tgt Ion:198 Resp: 1127

Ion Ratio Lower Upper

198 100

51 89.9 27.4 67.4#

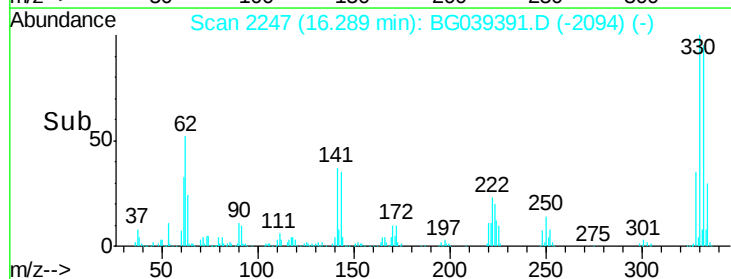
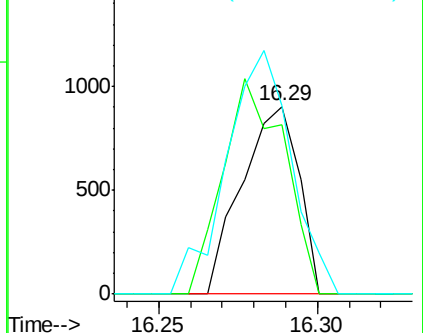
105 100.3 19.7 59.7#

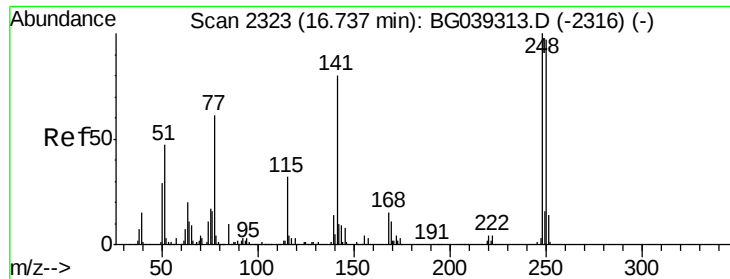


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E

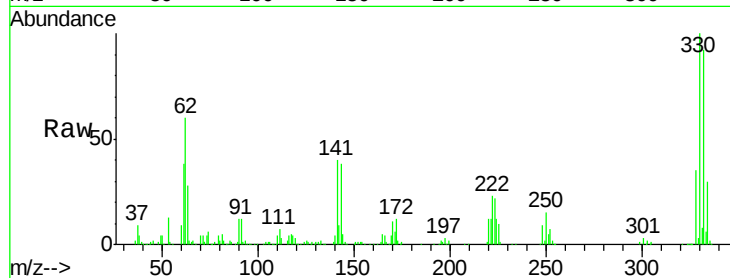




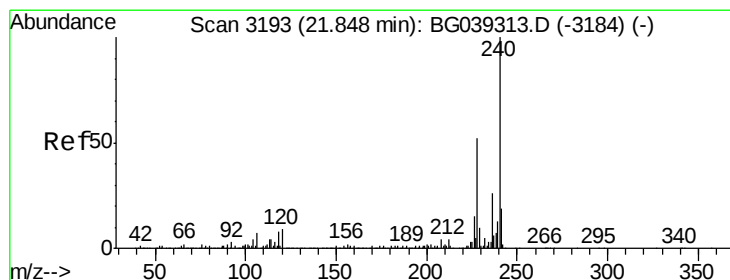
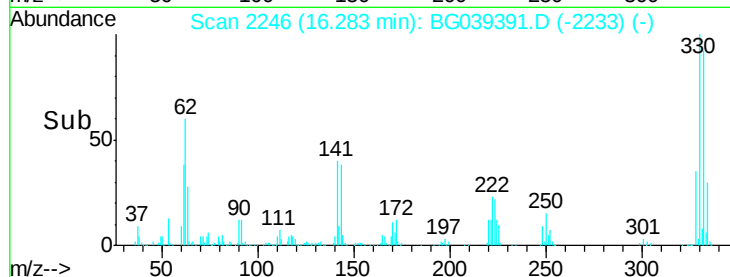
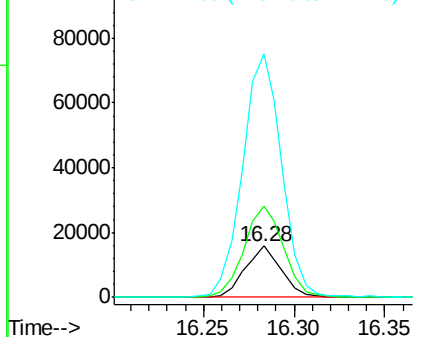
#67
4-Bromophenyl-phenylether
Concen: 5.45 ng
RT: 16.28 min Scan# 2246
Delta R.T. -0.45 min
Lab File: BG039391.D
Acq: 7 Feb 2019 20:57

Instrument :
BNA_G
ClientSampled :
MW-7

Tot Ion:248 Resp: 22107
Ion Ratio Lower Upper
248 100
250 178.1 77.6 116.4#
141 472.5 63.9 95.9#

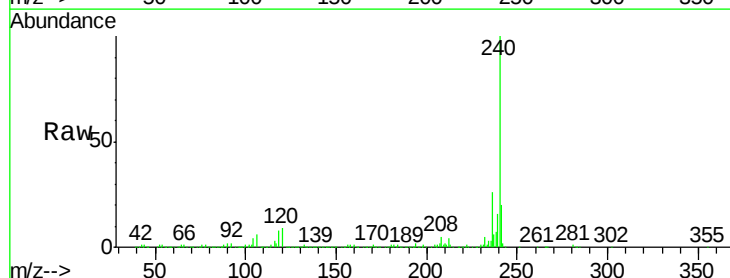


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

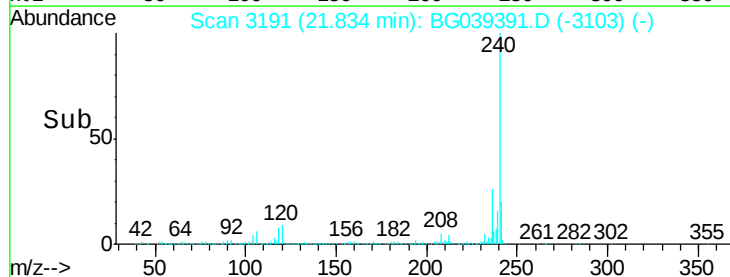
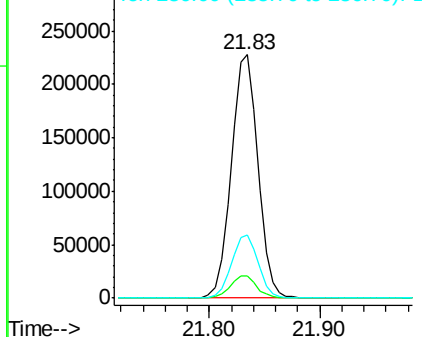


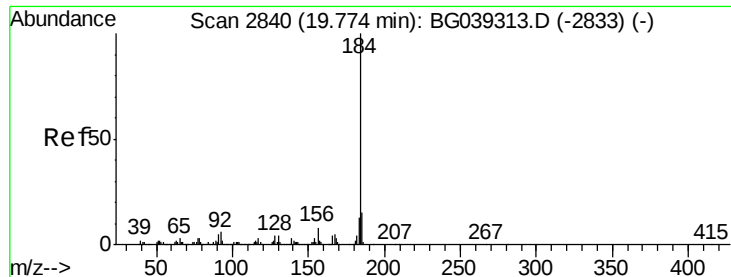
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.83 min Scan# 3191
Delta R.T. -0.01 min
Lab File: BG039391.D
Acq: 7 Feb 2019 20:57

Tgt Ion:240 Resp: 385847
Ion Ratio Lower Upper
240 100
120 9.3 7.0 10.6
236 26.0 21.0 31.4



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

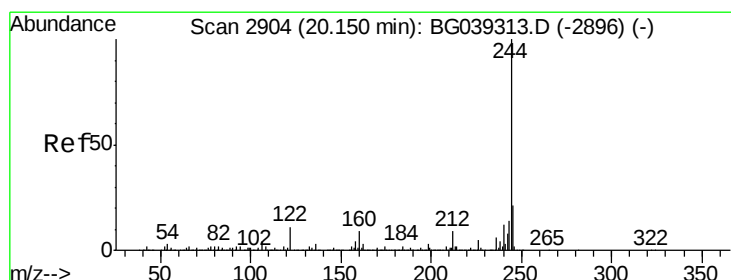
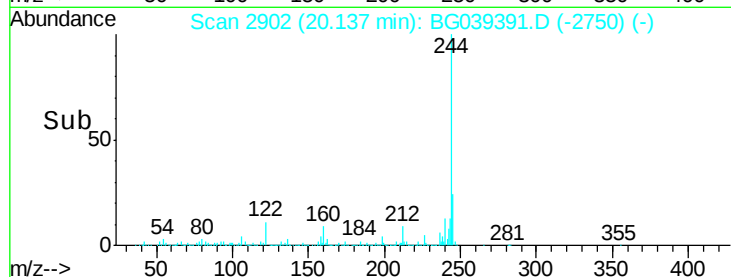
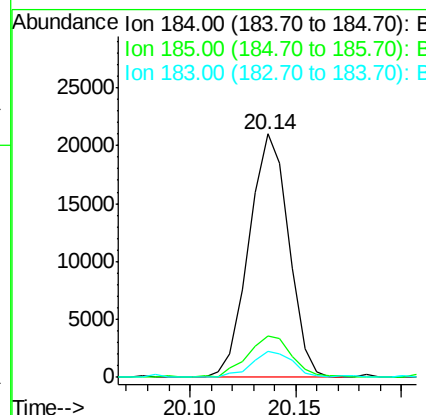
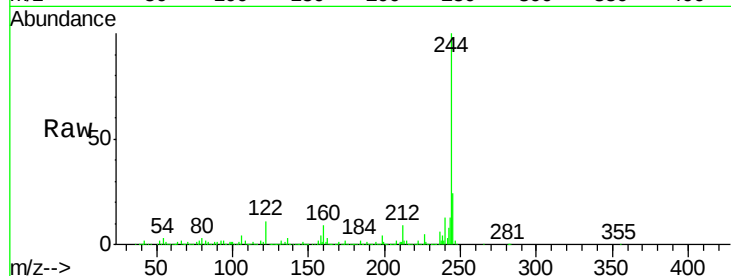




#77
Benzidine
Concen: 2.17 ng
RT: 20.14 min Scan# 2902
Delta R.T. 0.36 min
Lab File: BG039391.D
Acq: 7 Feb 2019 20:57

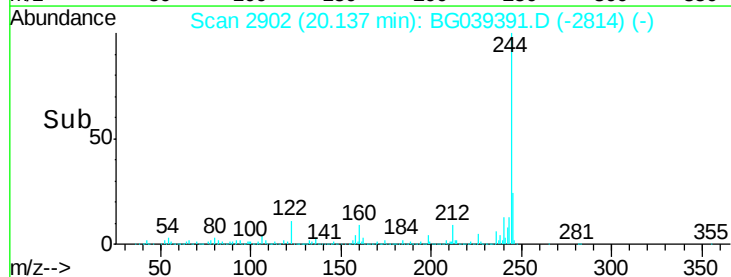
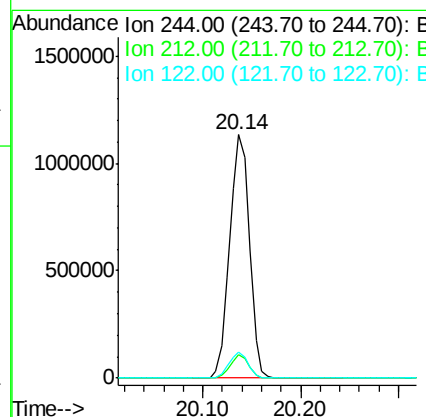
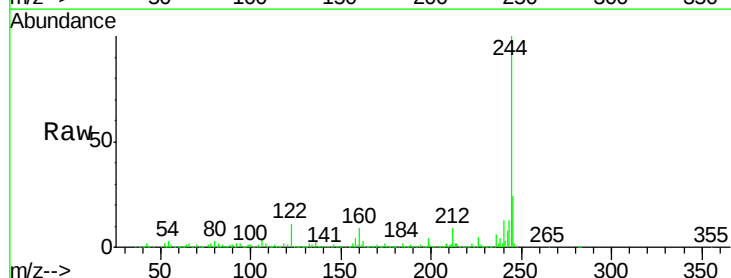
Instrument :
BNA_G
ClientSampled :
MW-7

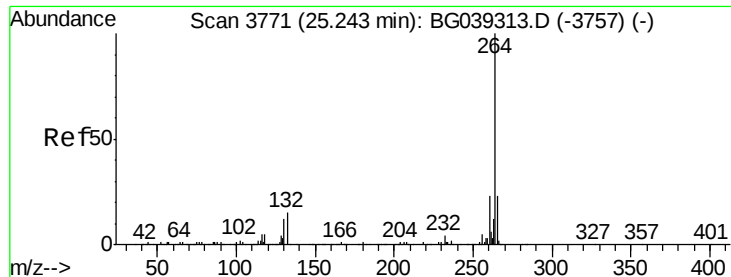
Tot Ion:184 Resp: 27512
Ion Ratio Lower Upper
184 100
185 16.8 12.2 18.2
183 10.8 10.6 15.8



#79
Terphenyl-d14
Concen: 87.40 ng
RT: 20.14 min Scan# 2902
Delta R.T. -0.01 min
Lab File: BG039391.D
Acq: 7 Feb 2019 20:57

Tgt Ion:244 Resp: 1593209
Ion Ratio Lower Upper
244 100
212 9.4 7.3 10.9
122 10.6 8.4 12.6





#87
 Pervlene-d12
 Concen: 20.00 ng
 RT: 25.22 min Scan# 3767
 Delta R.T. -0.03 min
 Lab File: BG039391.D
 Acq: 7 Feb 2019 20:57

Instrument :
 BNA_G
 ClientSampleId :
 MW-7

Tot Ion:	264	Resp:	395360
Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.2	27.4
265	21.2	18.5	27.7

