

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG013019\
 Data File : BG039331.D
 Acq On : 30 Jan 2019 17:12
 Operator : JU/SJ
 Sample : K1282-35
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TPW1

Quant Time: Jan 31 05:41:27 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	44792	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	192986	20.00	ng	0.00
39) Acenaphthene-d10	14.81	164	129255	20.00	ng	0.00
64) Phenanthrene-d10	17.55	188	311125	20.00	ng	0.00
76) Chrysene-d12	21.84	240	317556	20.00	ng	0.00
87) Perylene-d12	25.23	264	327520	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	179657	68.65	ng	0.00
7) Phenol-d6	7.31	99	161627	41.96	ng	0.00
23) Nitrobenzene-d5	9.36	82	324350	105.00	ng	0.00
42) 2,4,6-Tribromophenol	16.29	330	211479	151.94	ng	0.00
45) 2-Fluorobiphenyl	13.43	172	807166	89.58	ng	0.00
79) Terphenyl-d14	20.15	244	1238366	82.54	ng	0.00

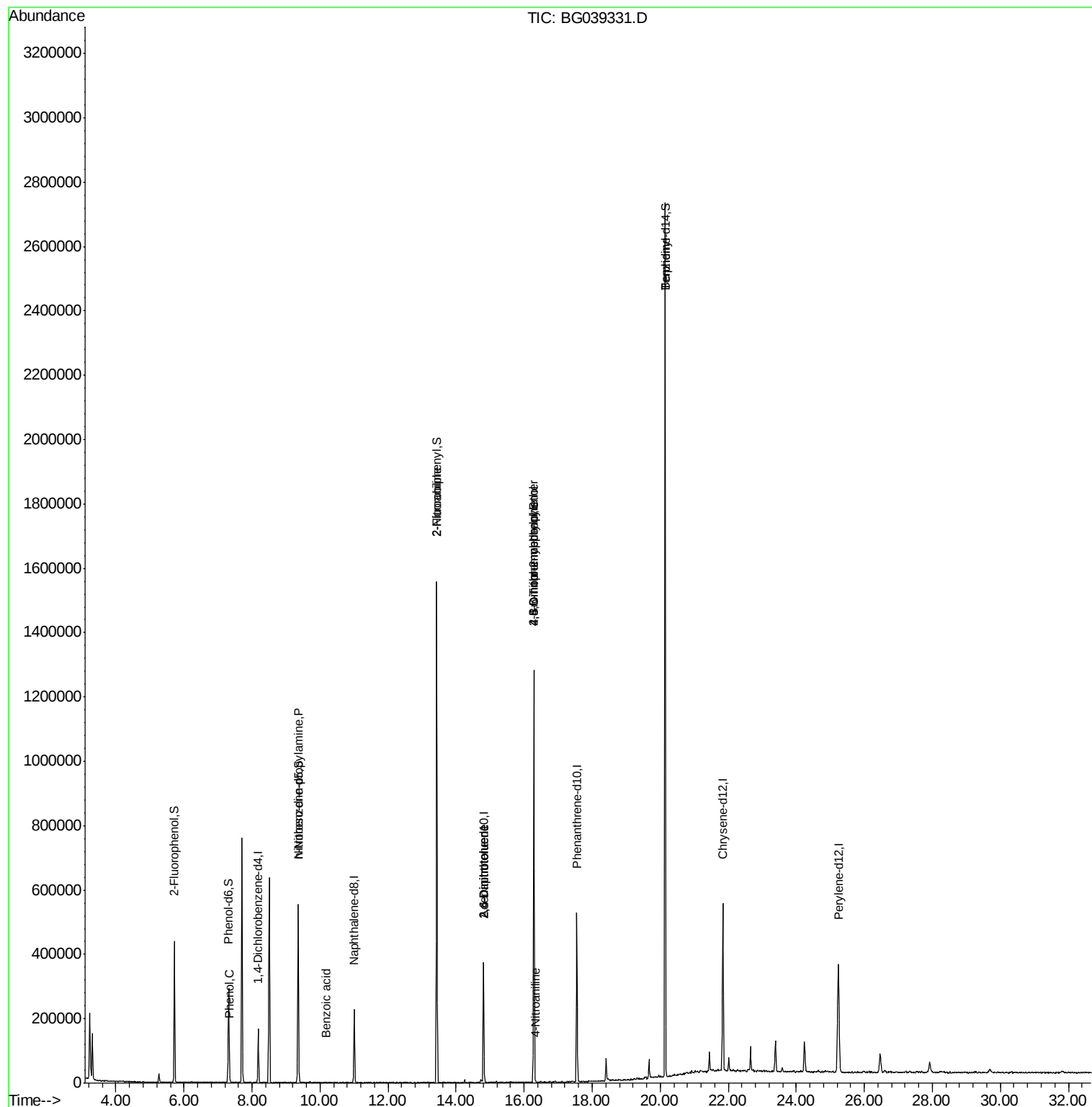
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	515	Below Cal		# 4
10) Phenol	7.34	94	10834	2.698	ng	94
19) n-Nitroso-di-n-propylamine	9.36	70	42013	15.366	ng	# 77
32) Benzoic acid	10.17	122	58	9.047	ng	# 1
48) 2-Nitroaniline	13.43	65	1448	8.812	ng	# 1
51) 2,6-Dinitrotoluene	14.81	165	15837	13.567	ng	# 25
57) 2,4-Dinitrotoluene	14.81	165	15837	13.129	ng	# 20
62) 4-Nitroaniline	16.34	138	60	4.228	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.29	198	780	4.979	ng	# 1
67) 4-Bromophenyl-phenylether	16.29	248	16315	4.727	ng	# 1
77) Benzidine	20.15	184	22396	2.151	ng	97

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

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Quant Time: Jan 31 05:40:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
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QLast Update : Tue Jan 29 15:41:51 2019
Response via : Initial Calibration



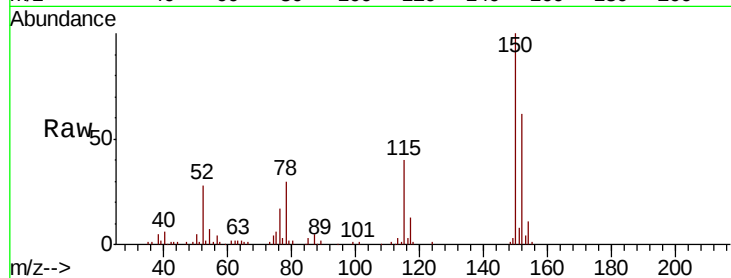


#1

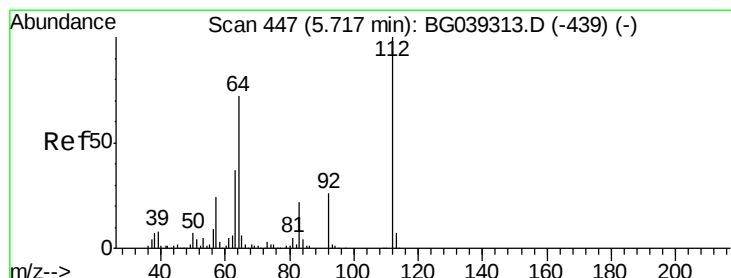
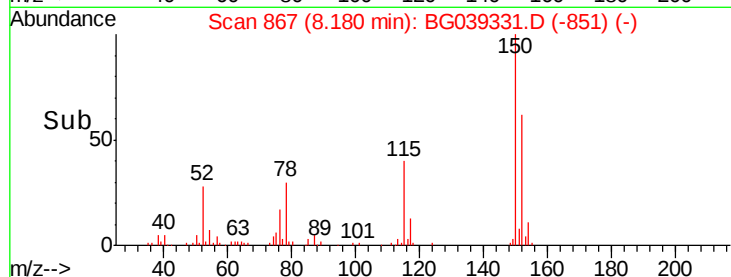
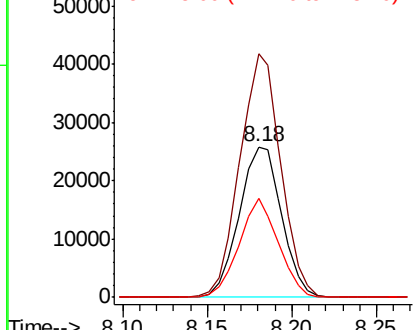
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.18 min Scan# 867
Delta R.T. -0.00 min
Lab File: BG039331.D
Acq: 30 Jan 2019 17:12

Instrument :
BNA_G
ClientSampled :
TPW1

Tgt Ion:152 Resp: 44792
Ion Ratio Lower Upper
152 100
150 162.0 123.7 185.5
115 65.5 45.9 68.9



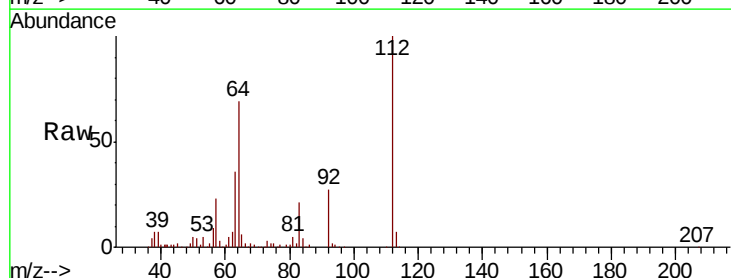
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



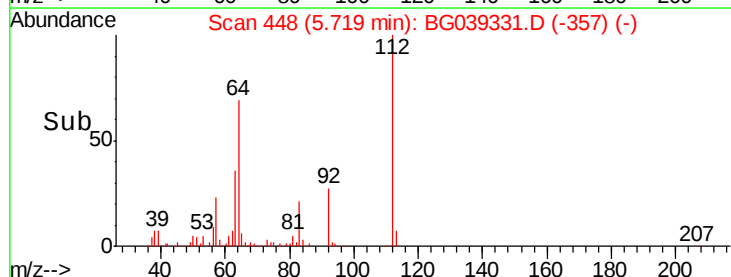
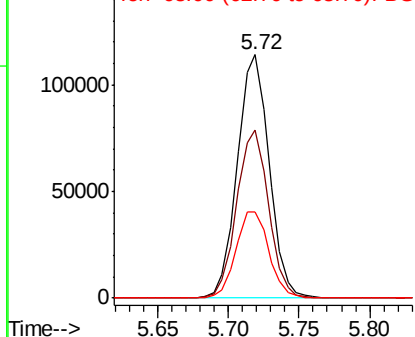
#5

2-Fluorophenol
Concen: 68.647 ng
RT: 5.72 min Scan# 448
Delta R.T. 0.00 min
Lab File: BG039331.D
Acq: 30 Jan 2019 17:12

Tgt Ion:112 Resp: 179657
Ion Ratio Lower Upper
112 100
64 68.9 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: 41.956 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039331.D

Acq: 30 Jan 2019 17:12

Instrument :

BNA_G

ClientSampleId :

TPW1

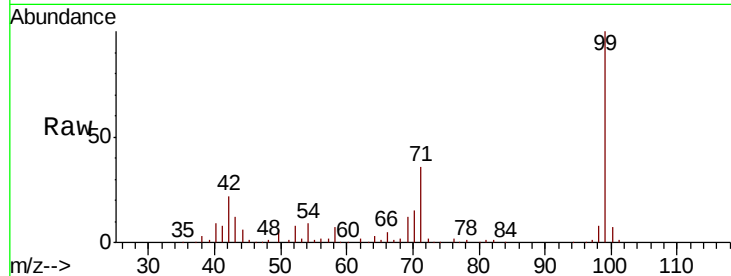
Tgt Ion: 99 Resp: 161627

Ion Ratio Lower Upper

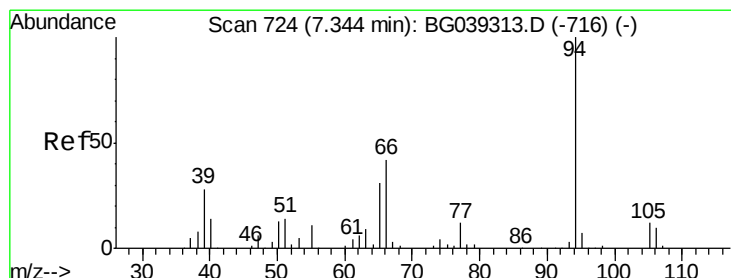
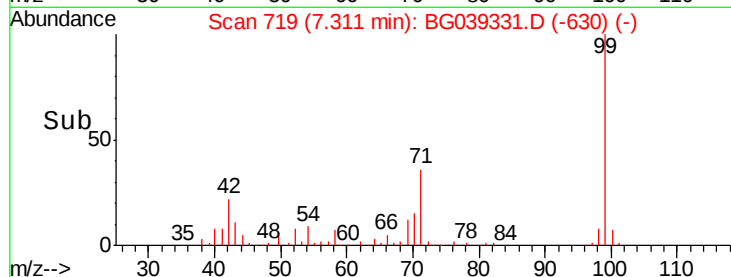
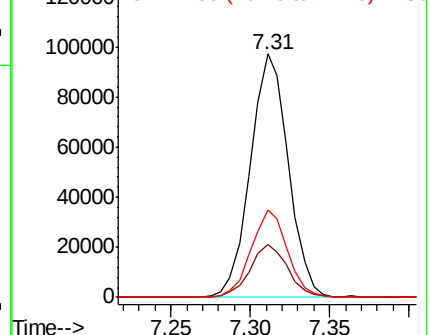
99 100

42 21.5 18.2 27.2

71 35.8 28.0 42.0



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: 2.698 ng

RT: 7.34 min Scan# 724

Delta R.T. -0.00 min

Lab File: BG039331.D

Acq: 30 Jan 2019 17:12

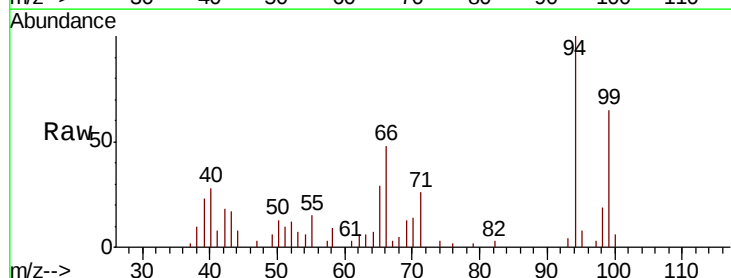
Tgt Ion: 94 Resp: 10834

Ion Ratio Lower Upper

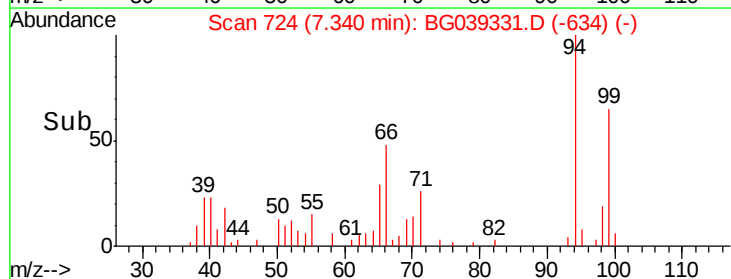
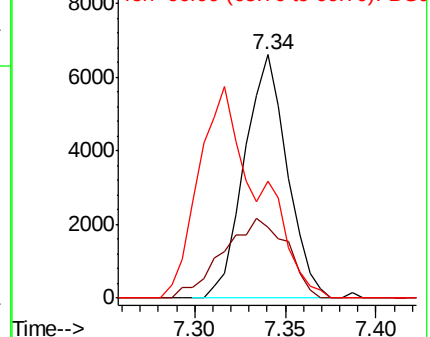
94 100

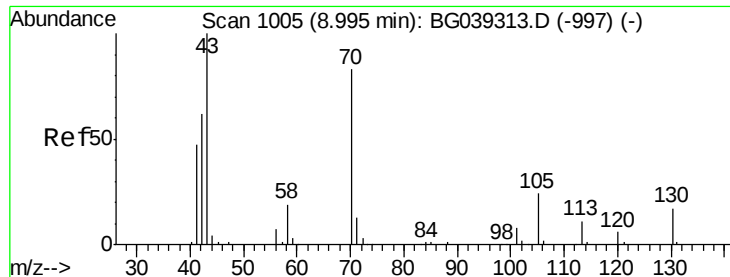
65 29.1 11.7 51.7

66 48.0 23.7 63.7



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

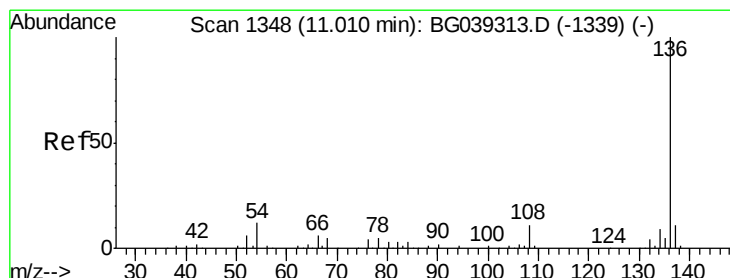
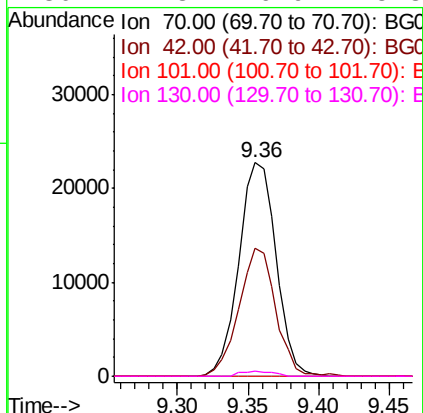
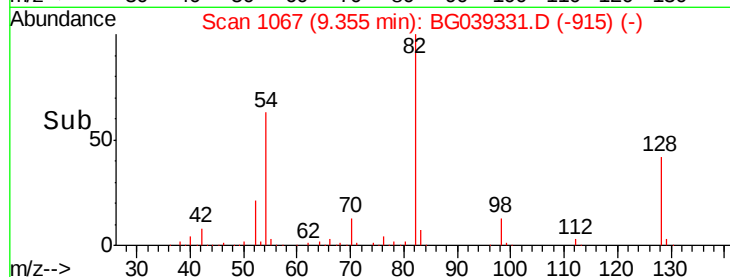
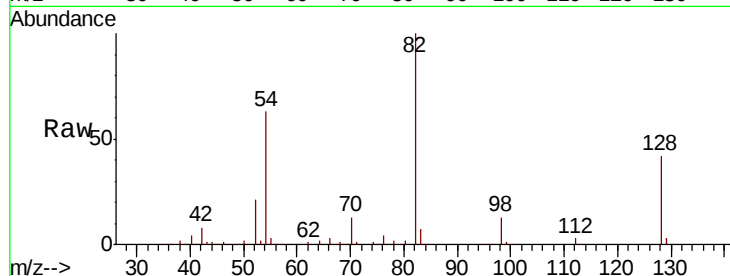




#19
n-Nitroso-di-n-propylamine
Concen: 15.366 ng
RT: 9.36 min Scan# 1067
Delta R.T. 0.36 min
Lab File: BG039331.D
Acq: 30 Jan 2019 17:12

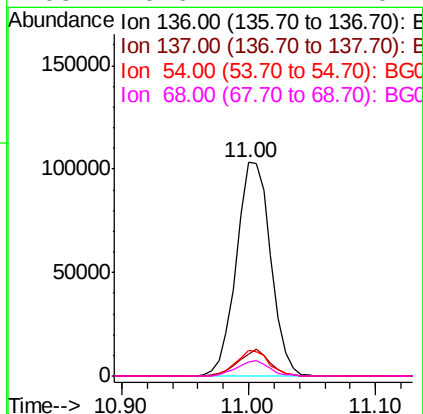
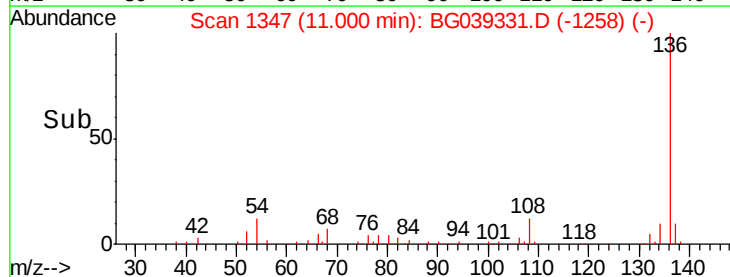
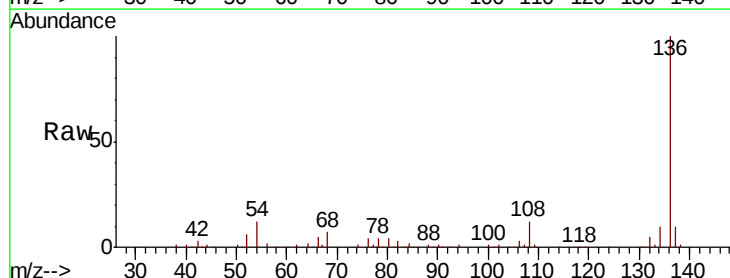
Instrument :
BNA_G
ClientSampleId :
TPW1

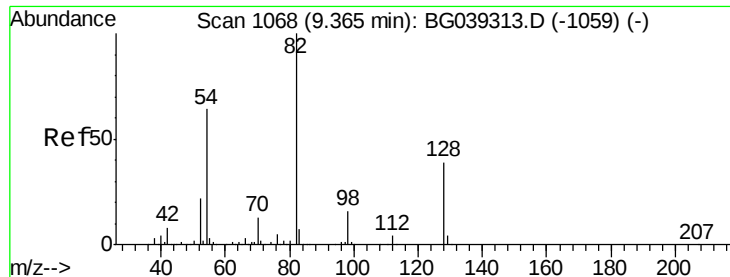
Tgt Ion: 70 Resp: 42013
Ion Ratio Lower Upper
70 100
42 60.1 60.4 90.6#
101 0.0 7.5 11.3#
130 2.3 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BG039331.D
Acq: 30 Jan 2019 17:12

Tgt Ion: 136 Resp: 192986
Ion Ratio Lower Upper
136 100
137 10.1 9.1 13.7
54 11.8 9.4 14.2
68 6.6 4.2 6.4#

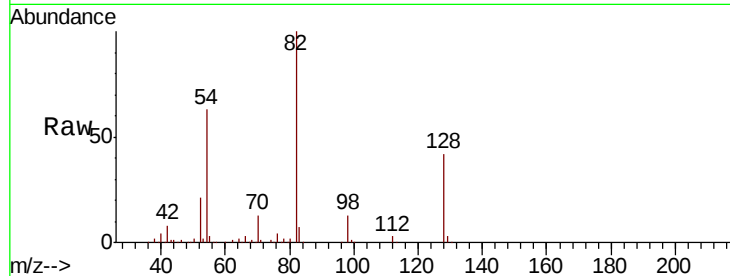




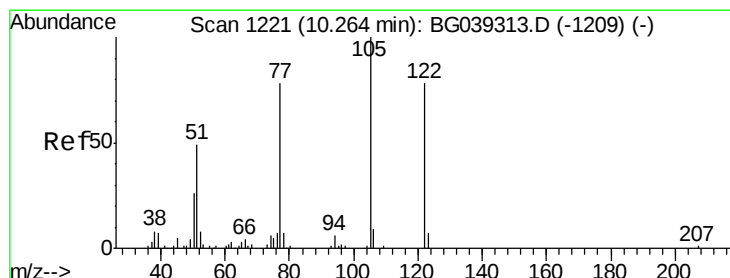
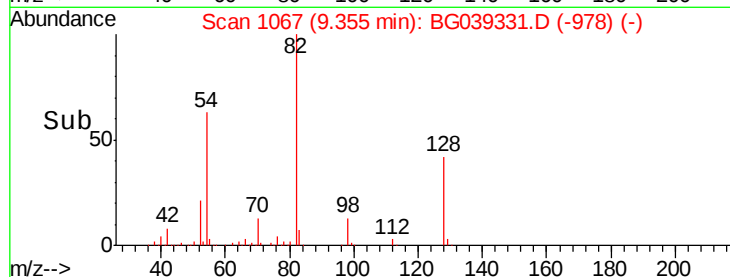
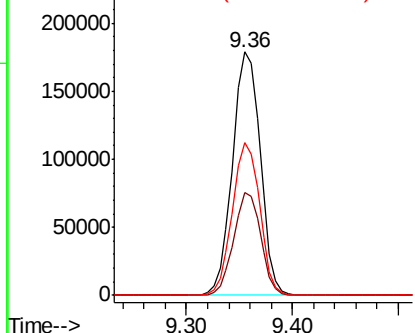
#23
Nitrobenzene-d5
Concen: 104.995 ng
RT: 9.36 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BG039331.D
Acq: 30 Jan 2019 17:12

Instrument :
BNA_G
ClientSampleId :
TPW1

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.0	31.3	46.9
54	63.0	50.9	76.3

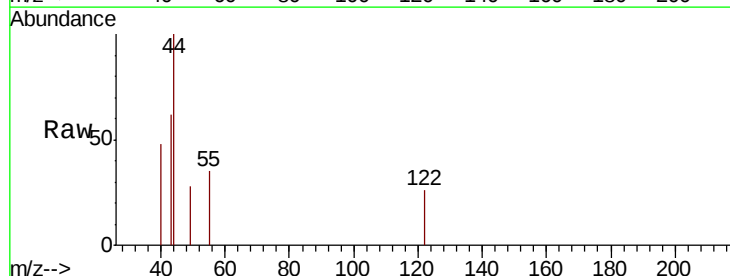


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

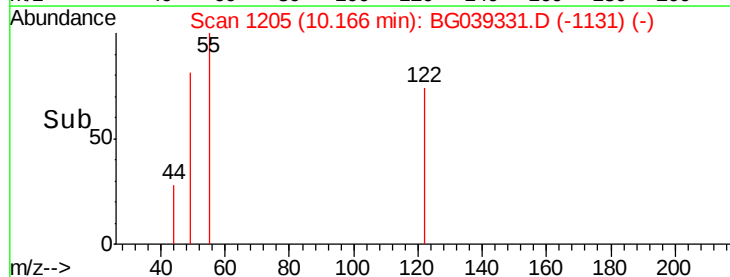
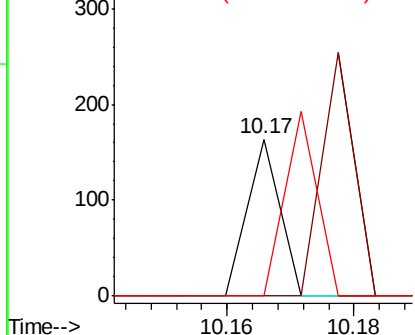


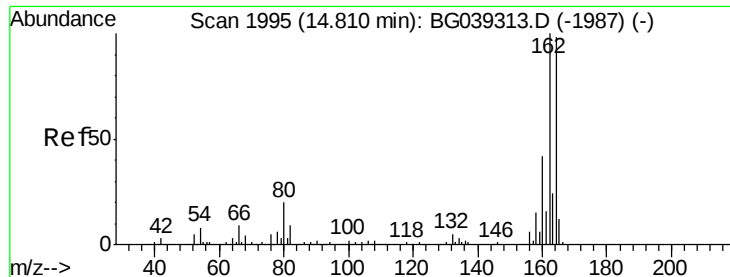
#32
Benzoic acid
Concen: 9.047 ng
RT: 10.17 min Scan# 1205
Delta R.T. -0.10 min
Lab File: BG039331.D
Acq: 30 Jan 2019 17:12

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	76.3	116.3#



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: 14.81 min Scan# 1995

Delta R.T. -0.00 min

Lab File: BG039331.D

Acq: 30 Jan 2019 17:12

Instrument :

BNA_G

ClientSampleId :

TPW1

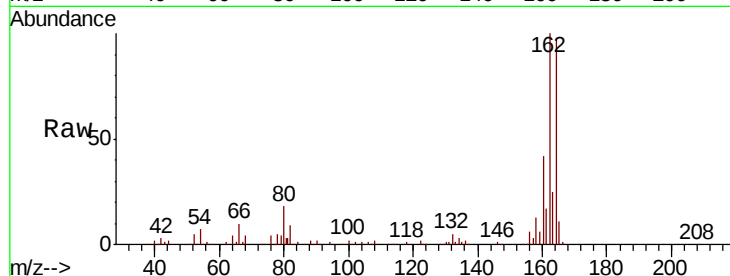
Tgt Ion:164 Resp: 129255

Ion Ratio Lower Upper

164 100

162 103.3 81.6 122.4

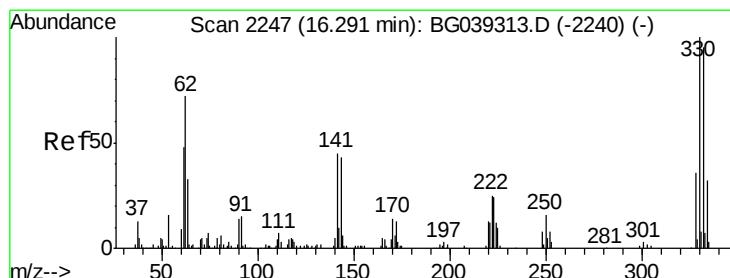
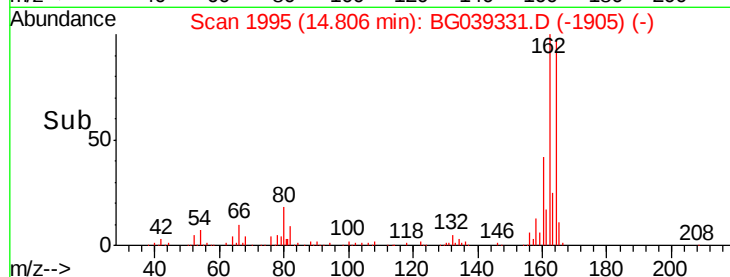
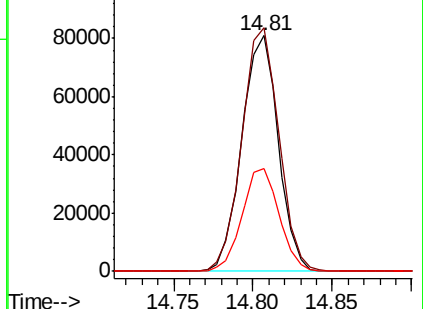
160 43.8 34.2 51.2



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: 151.940 ng

RT: 16.29 min Scan# 2247

Delta R.T. -0.00 min

Lab File: BG039331.D

Acq: 30 Jan 2019 17:12

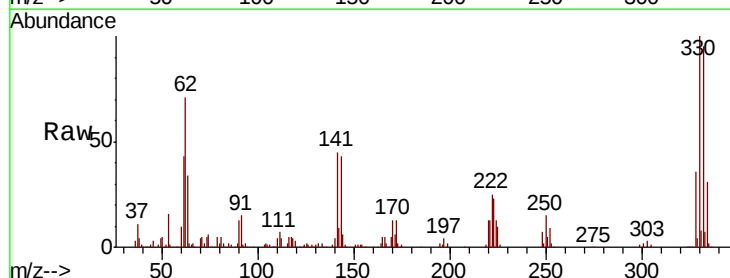
Tgt Ion:330 Resp: 211479

Ion Ratio Lower Upper

330 100

332 95.1 75.7 113.5

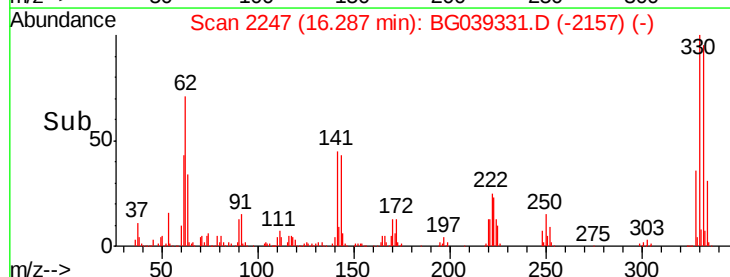
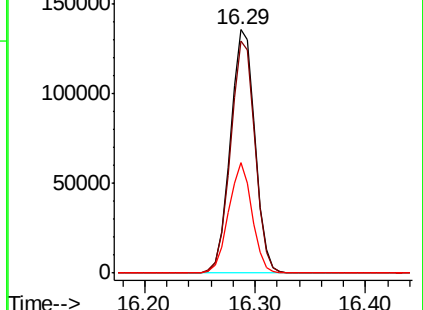
141 43.3 35.6 53.4

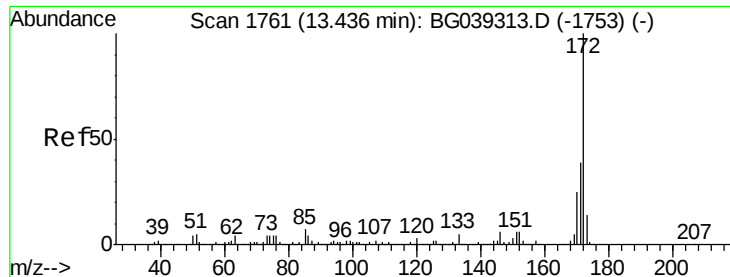


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

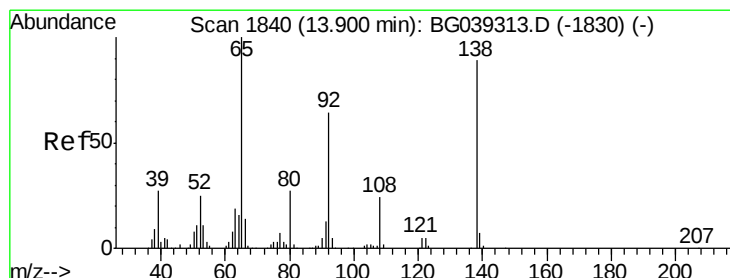
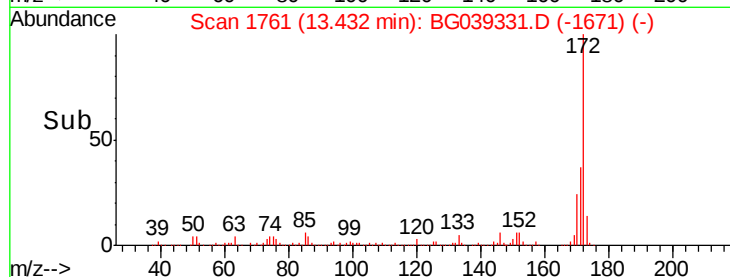
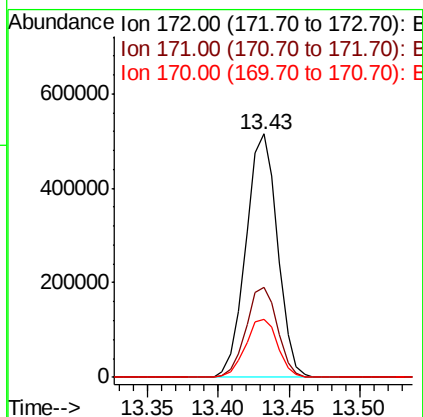
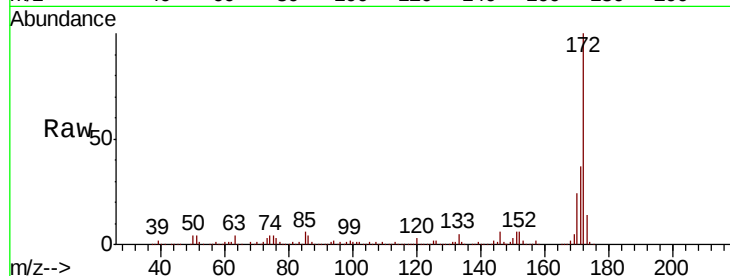




#45
2-Fluorobiphenyl
Concen: 89.584 ng
RT: 13.43 min Scan# 1761
Delta R.T. -0.00 min
Lab File: BG039331.D
Acq: 30 Jan 2019 17:12

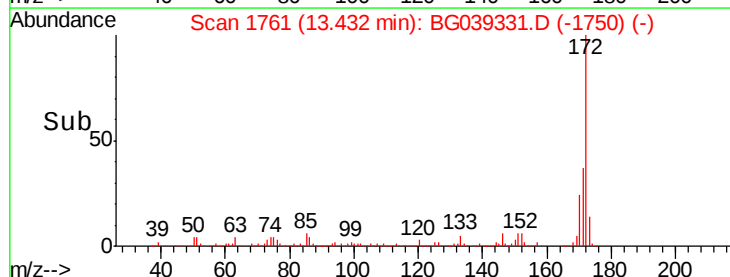
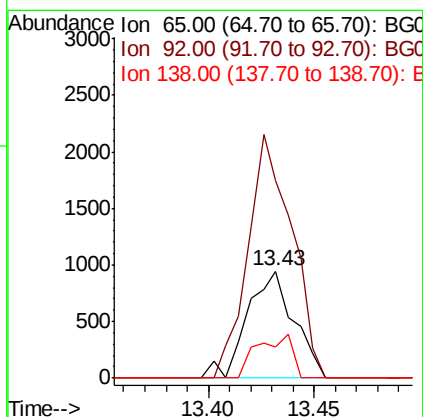
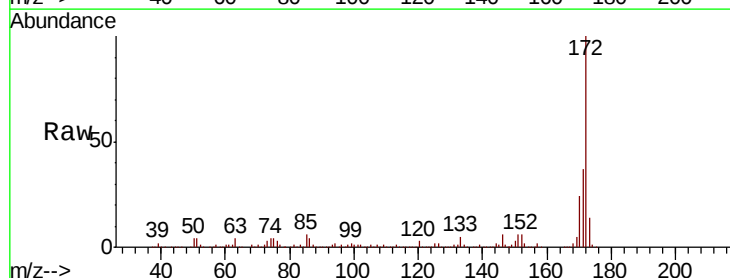
Instrument :
BNA_G
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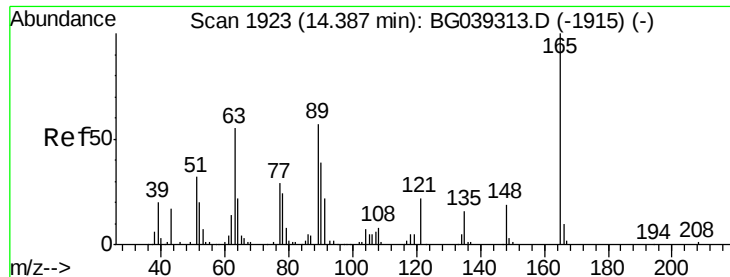
Tgt Ion: 172 Resp: 807166
Ion Ratio Lower Upper
172 100
171 37.2 30.8 46.2
170 24.0 20.2 30.4



#48
2-Nitroaniline
Concen: 8.812 ng
RT: 13.43 min Scan# 1761
Delta R.T. -0.47 min
Lab File: BG039331.D
Acq: 30 Jan 2019 17:12

Tgt Ion: 65 Resp: 1448
Ion Ratio Lower Upper
65 100
92 184.2 51.4 77.2#
138 29.5 71.4 107.2#





#51

2,6-Dinitrotoluene

Concen: 13.567 ng

RT: 14.81 min Scan# 1995

Delta R.T. 0.42 min

Lab File: BG039331.D

Acq: 30 Jan 2019 17:12

Instrument :

BNA_G

ClientSampleId :

TPW1

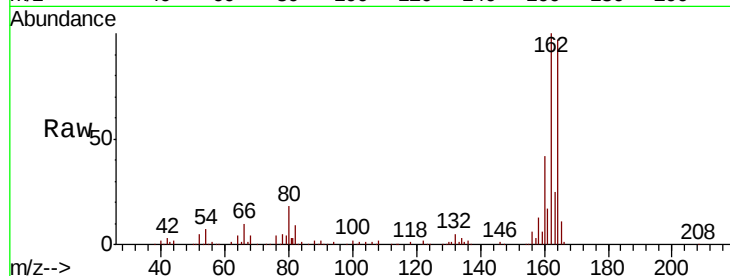
Tgt Ion:165 Resp: 15837

Ion Ratio Lower Upper

165 100

63 0.0 47.0 70.6#

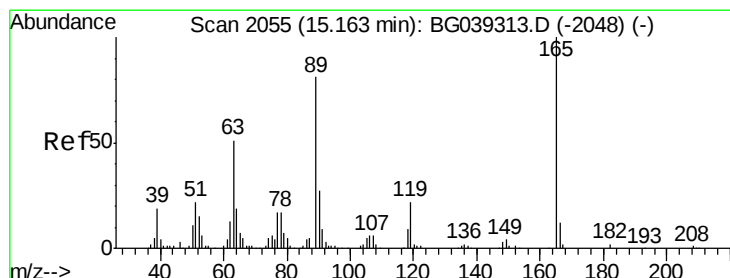
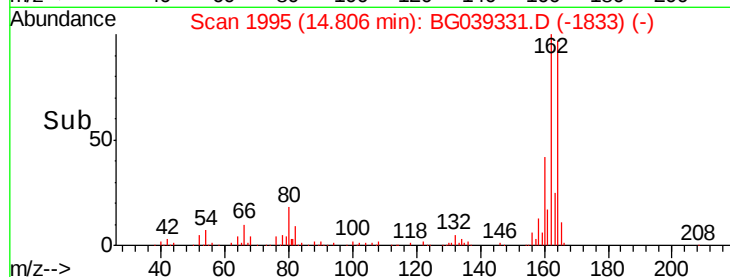
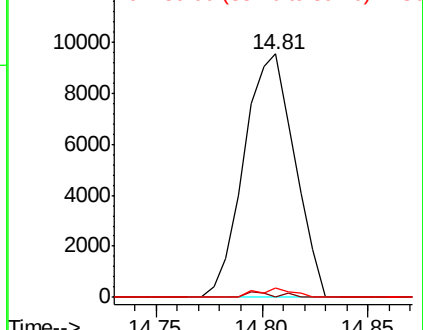
89 4.1 45.8 68.8#



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



#57

2,4-Dinitrotoluene

Concen: 13.129 ng

RT: 14.81 min Scan# 1995

Delta R.T. -0.36 min

Lab File: BG039331.D

Acq: 30 Jan 2019 17:12

Tgt Ion:165 Resp: 15837

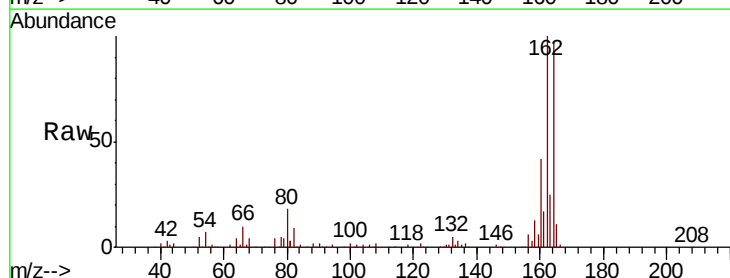
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 4.1 64.6 96.8#

182 0.0 2.0 3.0#

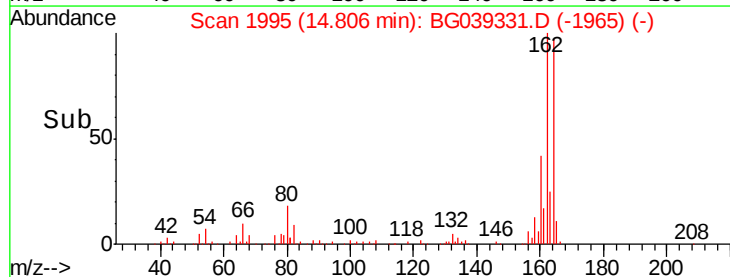
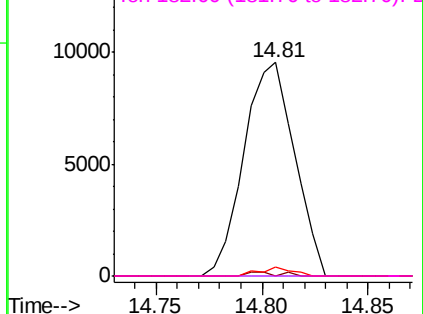


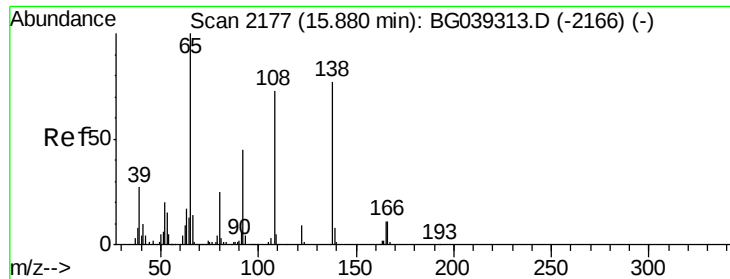
Abundance Ion 165.00 (164.70 to 165.70): E

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

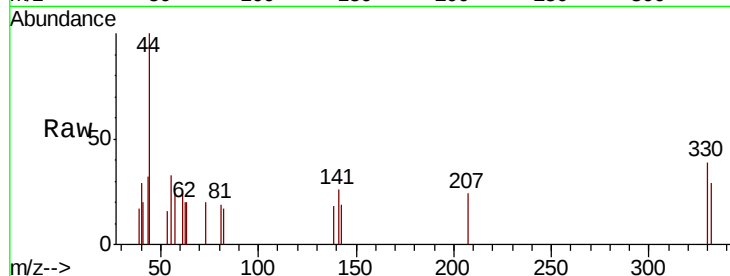




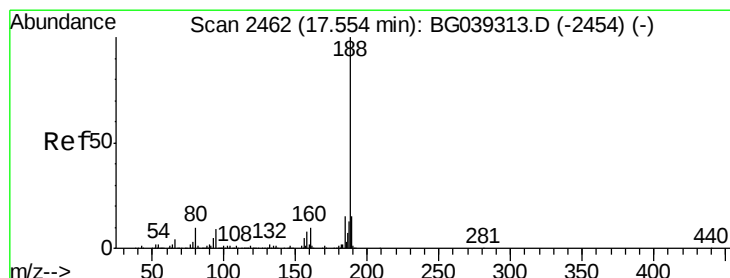
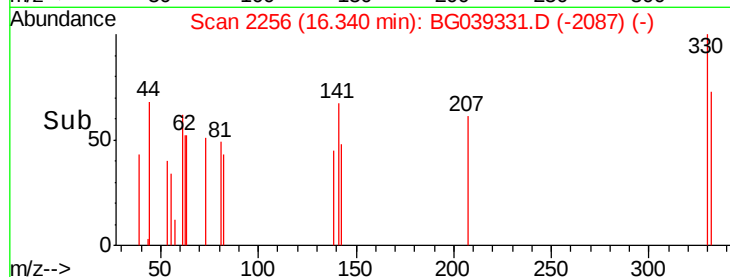
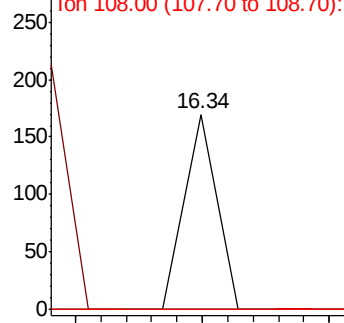
#62
4-Nitroaniline
Concen: 4.228 ng
RT: 16.34 min Scan# 2256
Delta R.T. 0.46 min
Lab File: BG039331.D
Acq: 30 Jan 2019 17:12

Instrument :
BNA_G
ClientSampleId :
TPW1

Tgt Ion:138 Resp: 60
Ion Ratio Lower Upper
138 100
92 0.0 38.7 78.7#
108 0.0 74.6 114.6#

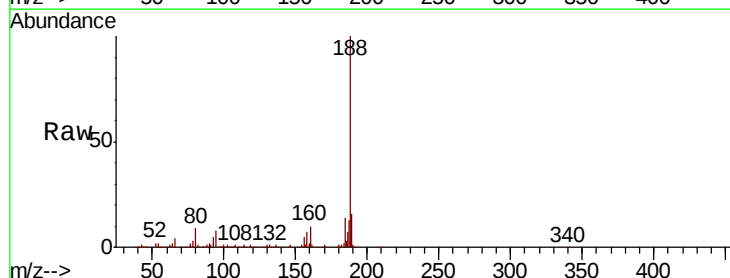


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): E

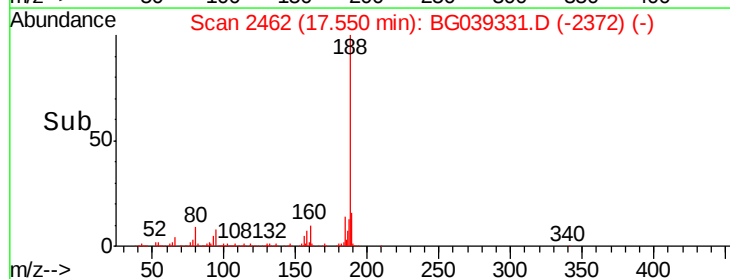
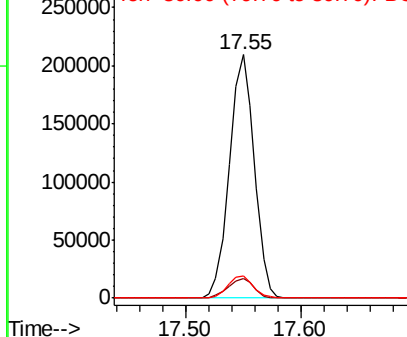


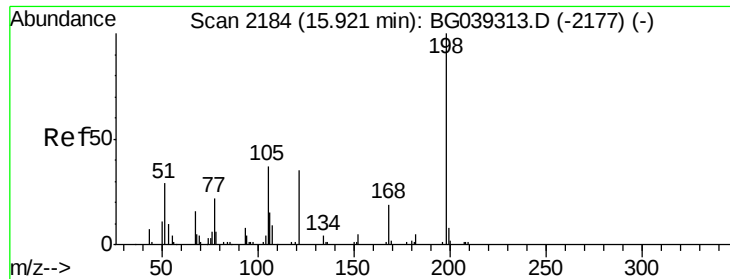
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.55 min Scan# 2462
Delta R.T. -0.00 min
Lab File: BG039331.D
Acq: 30 Jan 2019 17:12

Tgt Ion:188 Resp: 311125
Ion Ratio Lower Upper
188 100
94 8.2 6.9 10.3
80 9.3 8.1 12.1



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

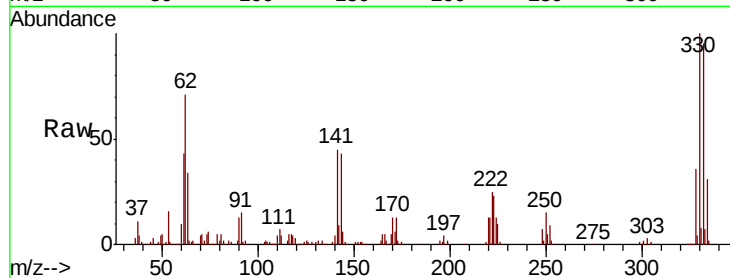




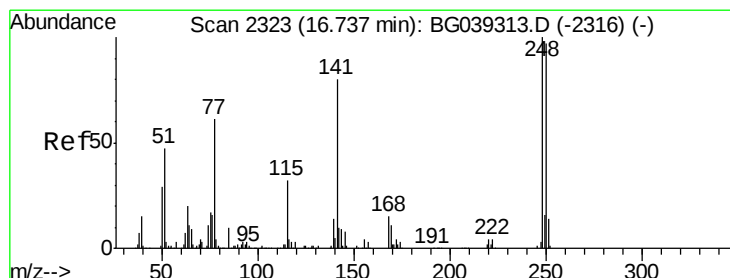
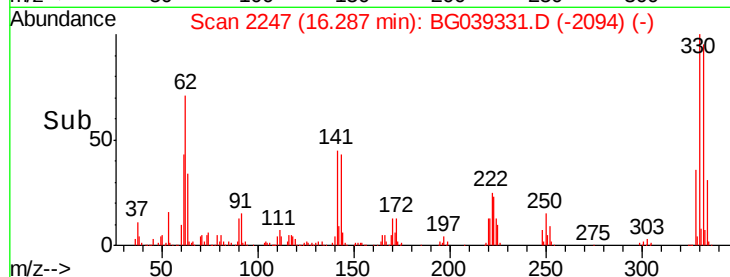
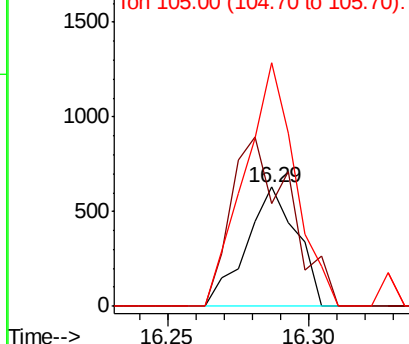
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.979 ng
 RT: 16.29 min Scan# 2247
 Delta R.T. 0.37 min
 Lab File: BG039331.D
 Acq: 30 Jan 2019 17:12

Instrument :
 BNA_G
 ClientSampleId :
 TPW1

Tgt Ion:198 Resp: 780
 Ion Ratio Lower Upper
 198 100
 51 86.2 27.4 67.4#
 105 204.1 19.7 59.7#

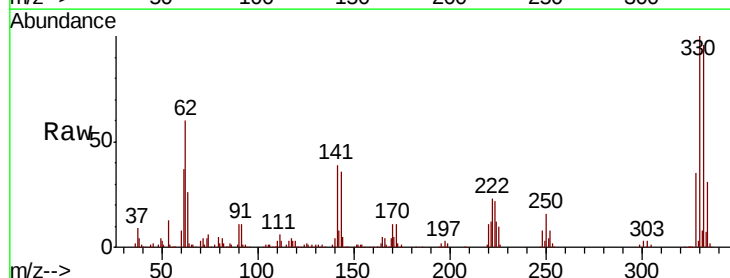


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

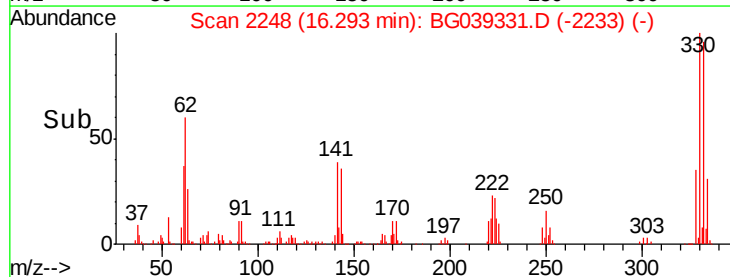
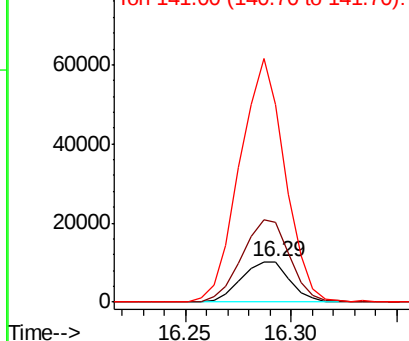


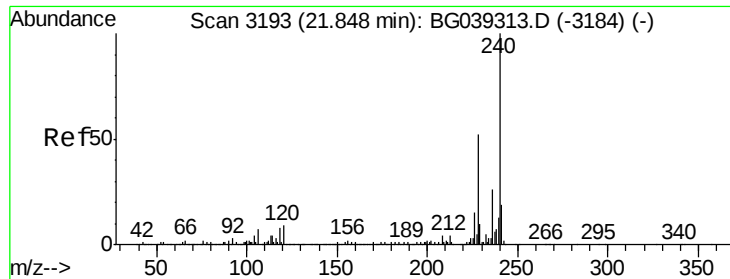
#67
 4-Bromophenyl-phenylether
 Concen: 4.727 ng
 RT: 16.29 min Scan# 2248
 Delta R.T. -0.44 min
 Lab File: BG039331.D
 Acq: 30 Jan 2019 17:12

Tgt Ion:248 Resp: 16315
 Ion Ratio Lower Upper
 248 100
 250 198.7 77.6 116.4#
 141 492.3 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

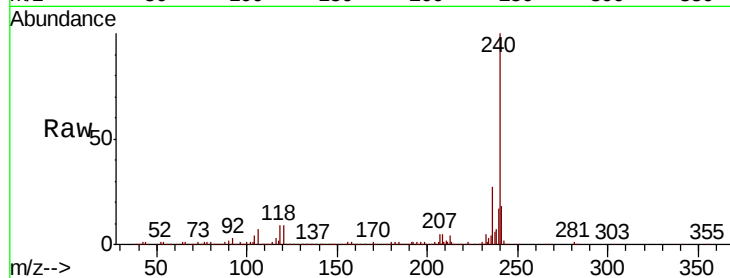




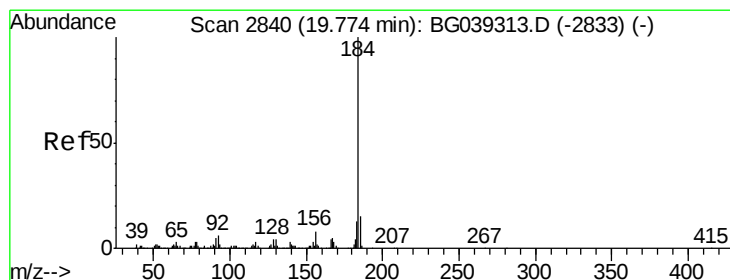
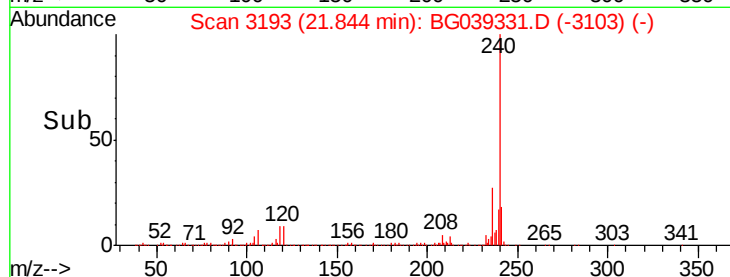
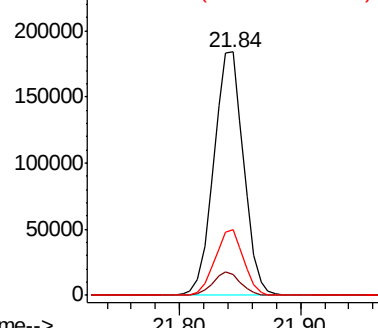
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.84 min Scan# 3193
Delta R.T. -0.00 min
Lab File: BG039331.D
Acq: 30 Jan 2019 17:12

Instrument :
BNA_G
ClientSampleId :
TPW1

Tgt Ion:240 Resp: 317556
Ion Ratio Lower Upper
240 100
120 8.6 7.0 10.6
236 26.8 21.0 31.4

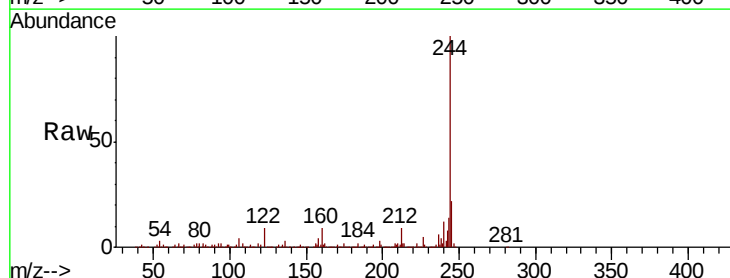


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

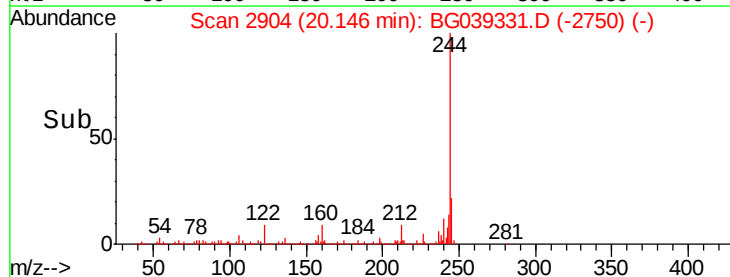
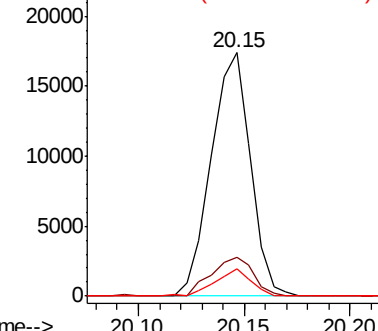


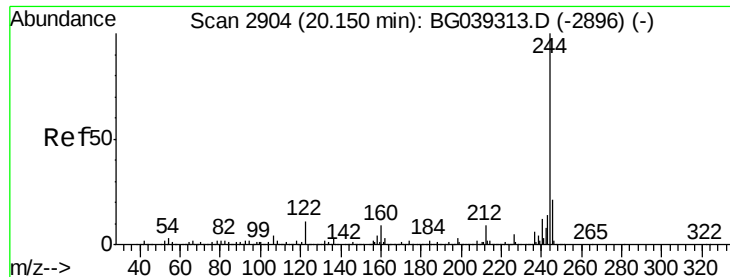
#77
Benzidine
Concen: 2.151 ng
RT: 20.15 min Scan# 2904
Delta R.T. 0.37 min
Lab File: BG039331.D
Acq: 30 Jan 2019 17:12

Tgt Ion:184 Resp: 22396
Ion Ratio Lower Upper
184 100
185 16.0 12.2 18.2
183 11.3 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: 82.544 ng

RT: 20.15 min Scan# 2904

Delta R.T. -0.00 min

Lab File: BG039331.D

Acq: 30 Jan 2019 17:12

Instrument :

BNA_G

ClientSampleId :

TPW1

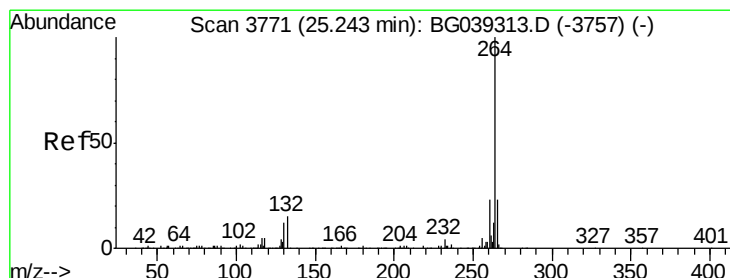
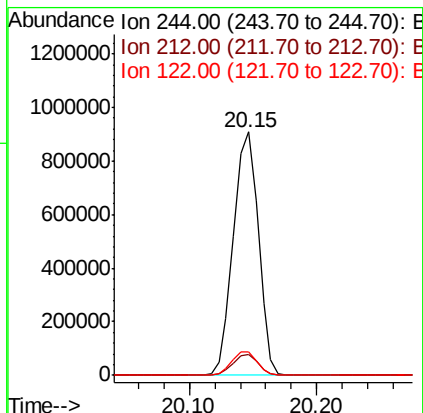
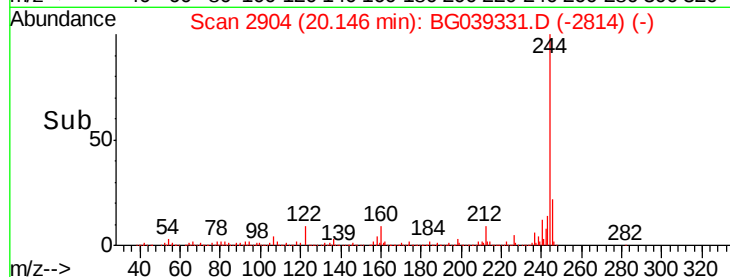
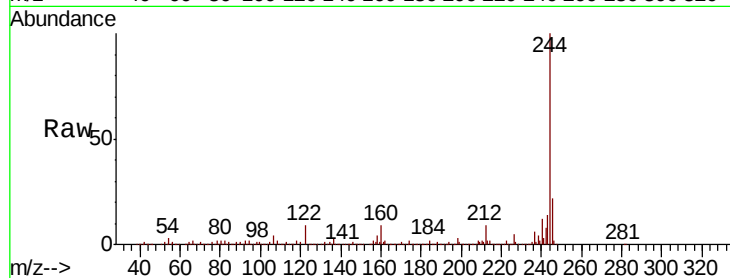
Tgt Ion:244 Resp: 1238366

Ion Ratio Lower Upper

244 100

212 8.7 7.3 10.9

122 9.5 8.4 12.6



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.23 min Scan# 3770

Delta R.T. -0.01 min

Lab File: BG039331.D

Acq: 30 Jan 2019 17:12

Tgt Ion:264 Resp: 327520

Ion Ratio Lower Upper

264 100

260 23.3 18.2 27.4

265 22.6 18.5 27.7

