

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG030119\
 Data File : BG039698.D
 Acq On : 1 Mar 2019 22:18
 Operator : JU/SJ
 Sample : K1665-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 200051

Quant Time: Mar 02 03:13:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 06:15:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	48276	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	202786	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	136266	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	339769	20.00	ng	0.00
76) Chrysene-d12	21.82	240	357383	20.00	ng	-0.01
87) Perylene-d12	25.20	264	334413	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	369066	130.84	ng	0.00
7) Phenol-d6	7.31	99	489826	117.98	ng	0.00
23) Nitrobenzene-d5	9.34	82	351108	108.16	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	207360	141.32	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	849969	89.48	ng	0.00
79) Terphenyl-d14	20.13	244	1408673	83.43	ng	0.00

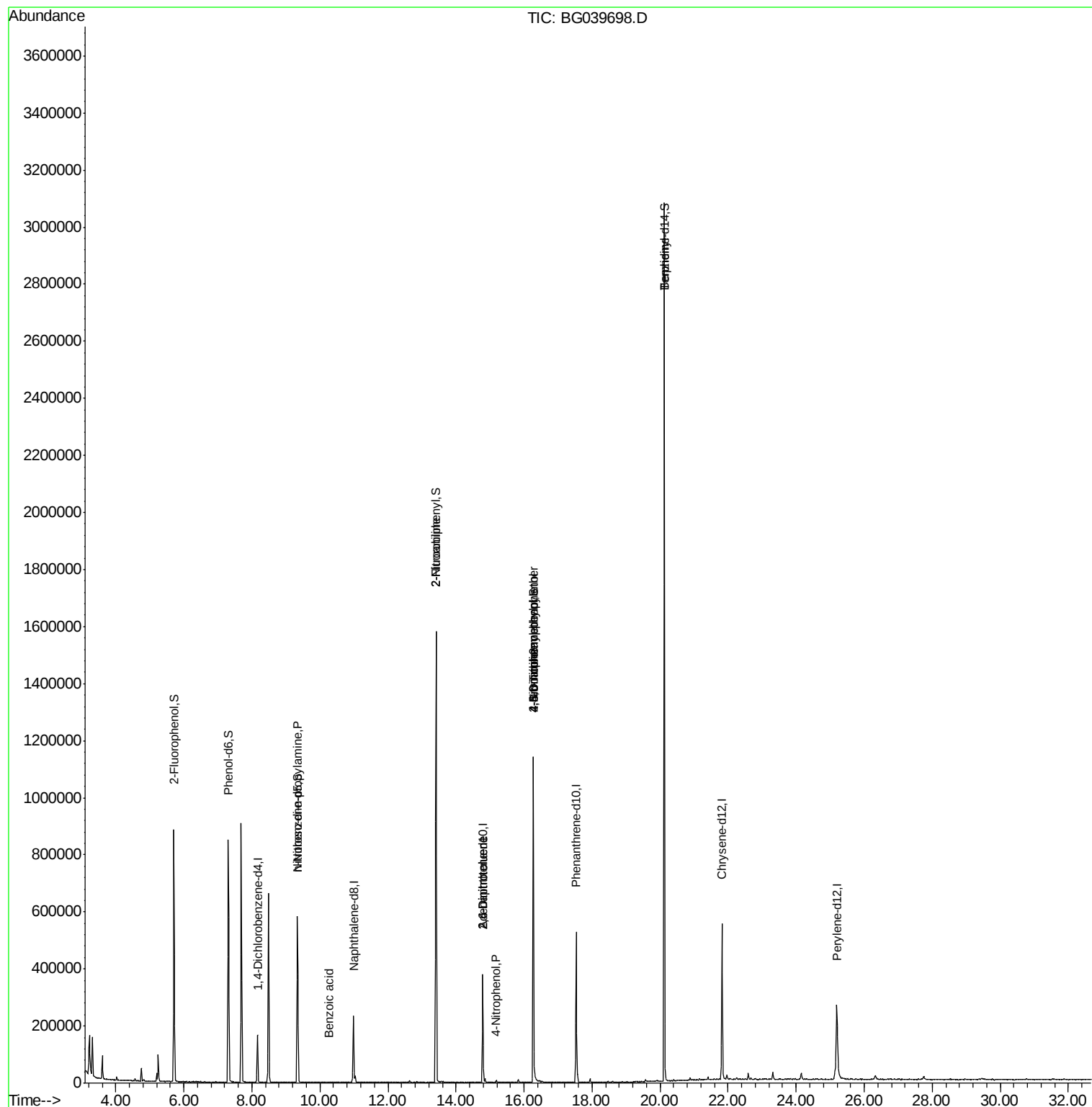
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.30	77	844	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	45475	15.432	ng	# 71
32) Benzoic acid	10.26	122	287	9.143	ng	# 41
48) 2-Nitroaniline	13.41	65	1218	8.707	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	17474	13.894	ng	# 24
56) 4-Nitrophenol	15.18	139	1941	6.699	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	17474	13.376	ng	# 19
62) 4-Nitroaniline	16.27	138	66	4.229	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.28	198	801	4.931	ng	# 9
67) 4-Bromophenyl-phenylether	16.27	248	16421	4.356	ng	# 1
77) Benzidine	20.13	184	25214	2.152	ng	95

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

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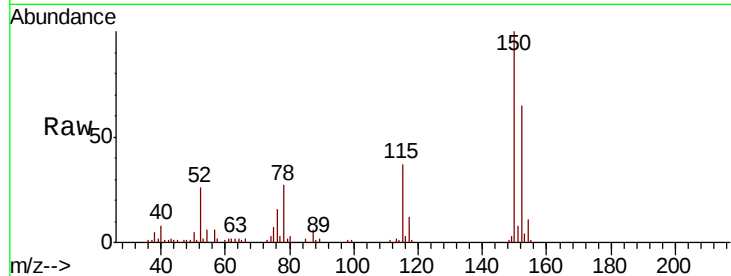


#1

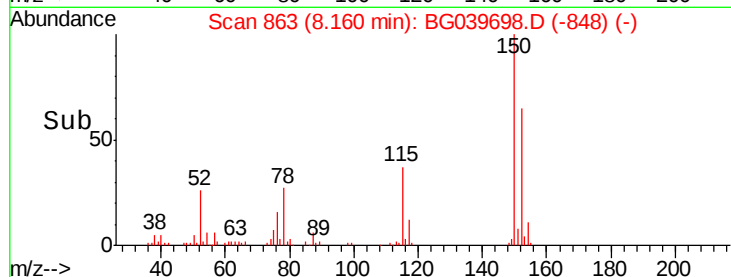
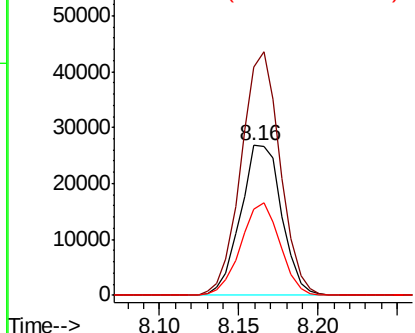
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: BG039698.D
Acq: 1 Mar 2019 22:18

Instrument :
BNA_G
ClientSampleId :
200051

Tgt Ion:152 Resp: 48276
Ion Ratio Lower Upper
152 100
150 152.9 123.7 185.5
115 57.2 45.9 68.9



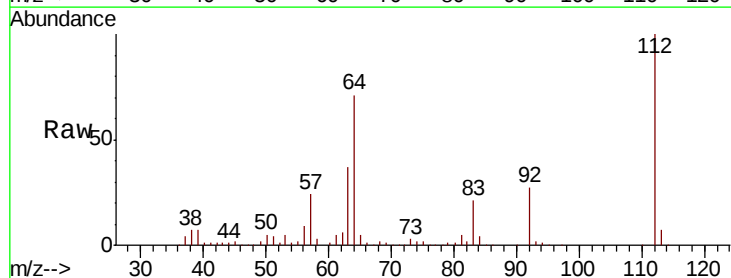
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



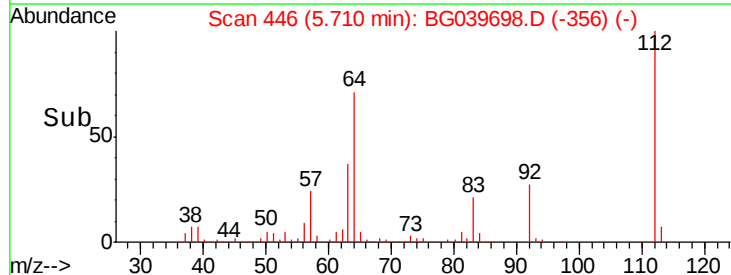
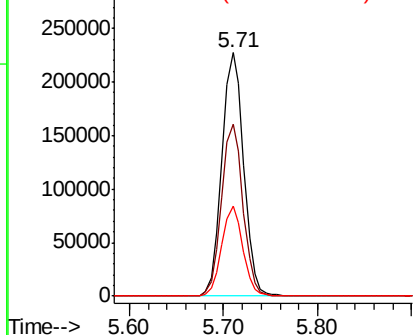
#5

2-Fluorophenol
Concen: 130.843 ng
RT: 5.71 min Scan# 446
Delta R.T. 0.00 min
Lab File: BG039698.D
Acq: 1 Mar 2019 22:18

Tgt Ion:112 Resp: 369066
Ion Ratio Lower Upper
112 100
64 70.8 57.8 86.8
63 37.1 29.8 44.6



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





#7

Phenol-d6

Concen: 117.975 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.00 min

Lab File: BG039698.D

Acq: 1 Mar 2019 22:18

Instrument :

BNA_G

ClientSampleId :

200051

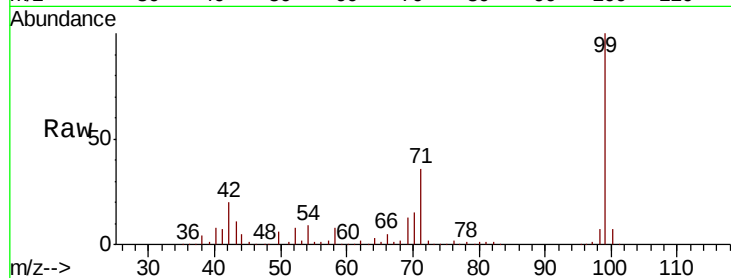
Tgt Ion: 99 Resp: 489826

Ion Ratio Lower Upper

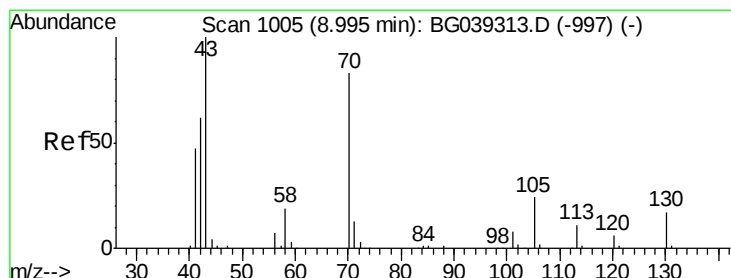
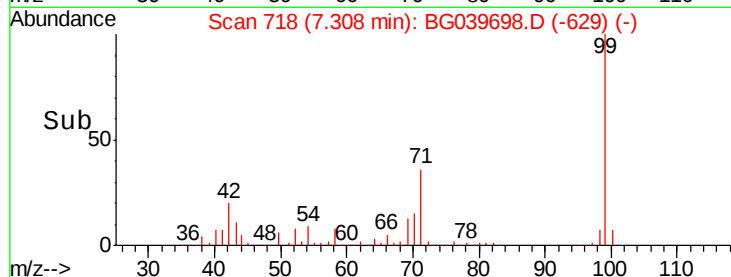
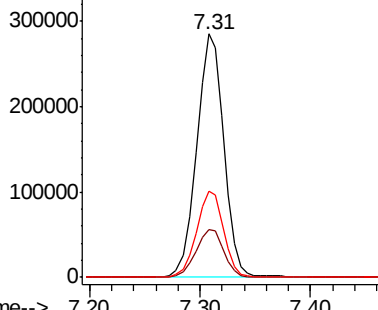
99 100

42 19.9 18.2 27.2

71 35.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.432 ng

RT: 9.34 min Scan# 1064

Delta R.T. 0.37 min

Lab File: BG039698.D

Acq: 1 Mar 2019 22:18

Tgt Ion: 70 Resp: 45475

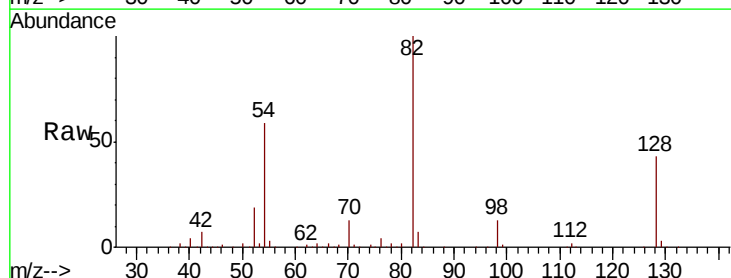
Ion Ratio Lower Upper

70 100

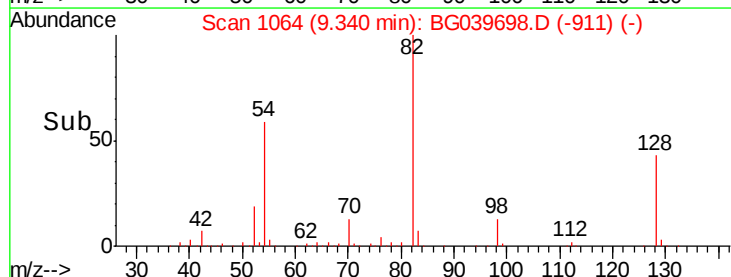
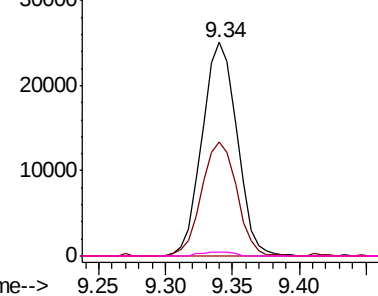
42 53.5 60.4 90.6#

101 0.0 7.5 11.3#

130 1.7 16.9 25.3#



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

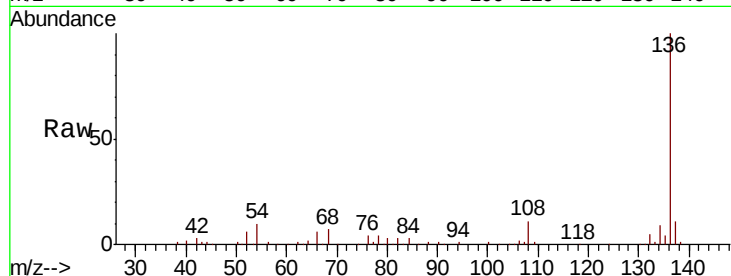




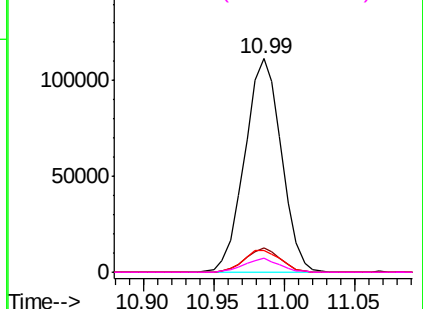
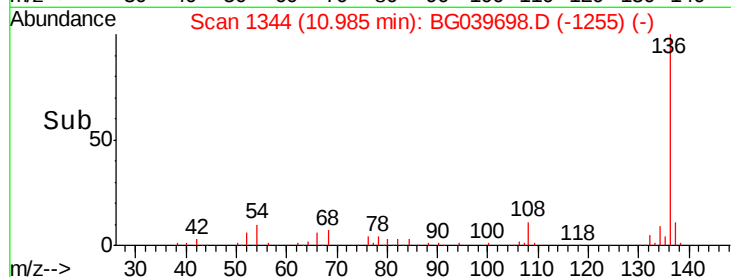
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1344
Delta R.T. -0.00 min
Lab File: BG039698.D
Acq: 1 Mar 2019 22:18

Instrument :
BNA_G
ClientSampleId :
200051

Tgt Ion:	136	Resp:	202786
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	10.4	9.4	14.2
68	6.5	4.2	6.4#

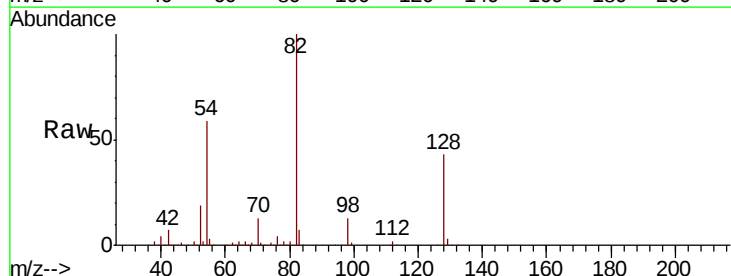


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

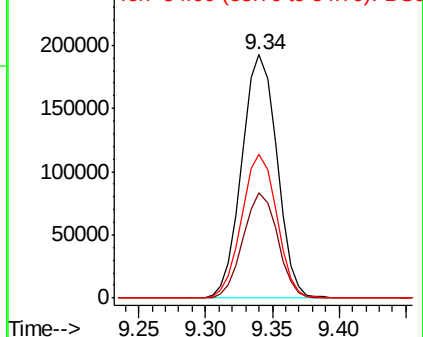
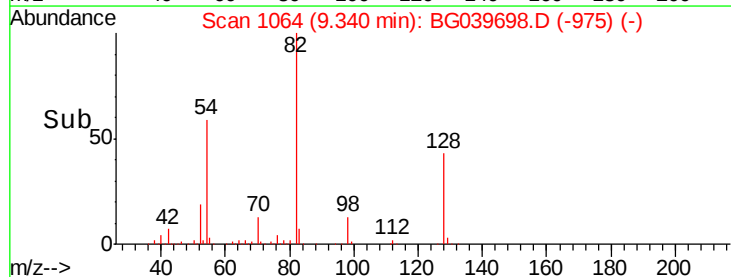


#23
Nitrobenzene-d5
Concen: 108.165 ng
RT: 9.34 min Scan# 1064
Delta R.T. -0.00 min
Lab File: BG039698.D
Acq: 1 Mar 2019 22:18

Tgt Ion:	82	Resp:	351108
Ion	Ratio	Lower	Upper
82	100		
128	43.4	31.3	46.9
54	59.2	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: 9.143 ng

RT: 10.26 min Scan# 1220

Delta R.T. -0.00 min

Lab File: BG039698.D

Acq: 1 Mar 2019 22:18

Instrument :

BNA_G

ClientSampleId :

200051

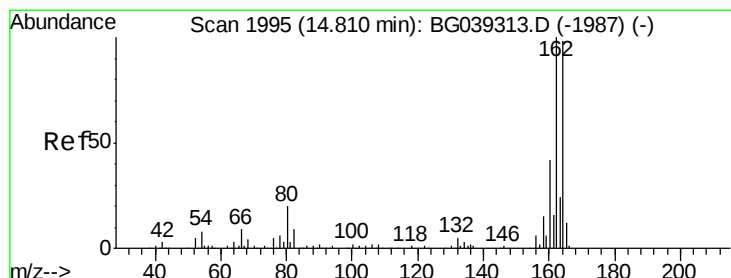
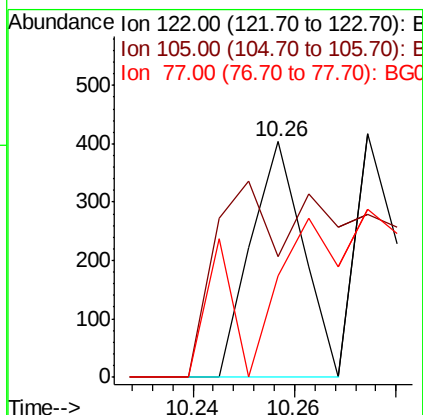
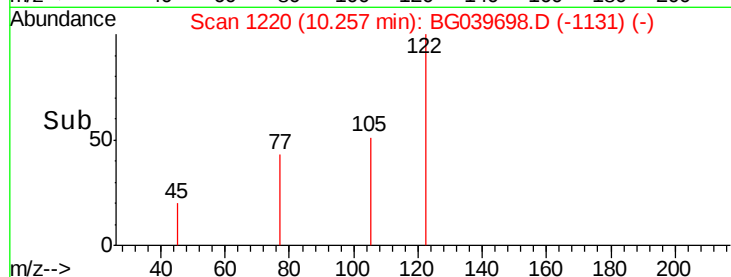
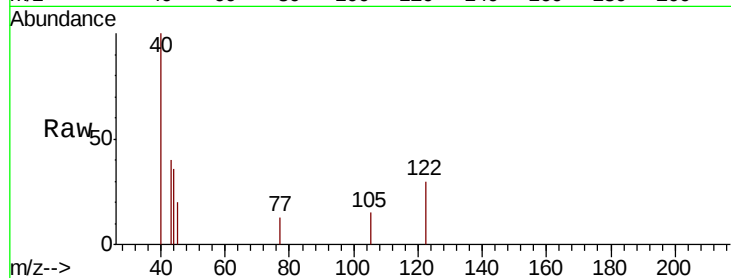
Tgt Ion:122 Resp: 287

Ion Ratio Lower Upper

122 100

105 51.1 101.8 141.8#

77 42.9 76.3 116.3#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.00 min

Lab File: BG039698.D

Acq: 1 Mar 2019 22:18

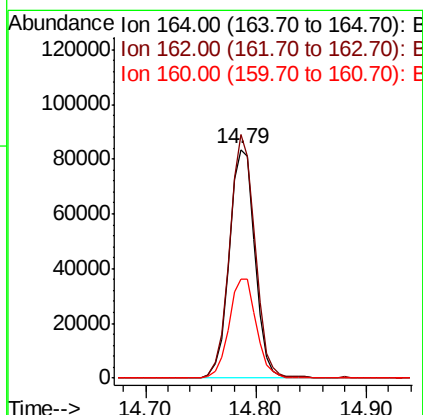
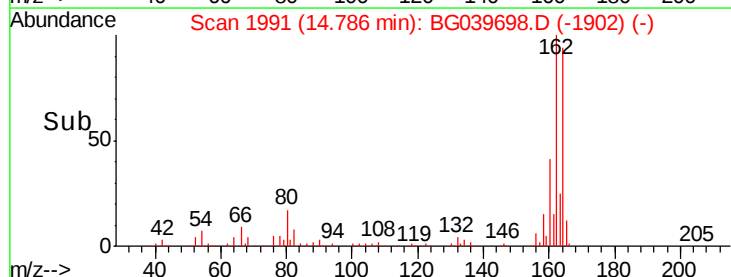
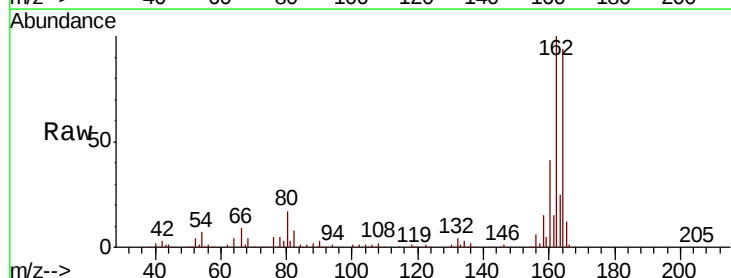
Tgt Ion:164 Resp: 136266

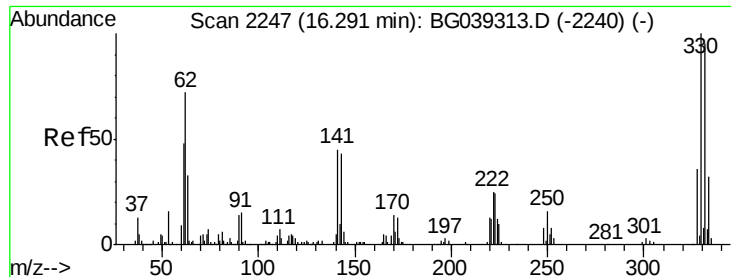
Ion Ratio Lower Upper

164 100

162 106.4 81.6 122.4

160 43.4 34.2 51.2

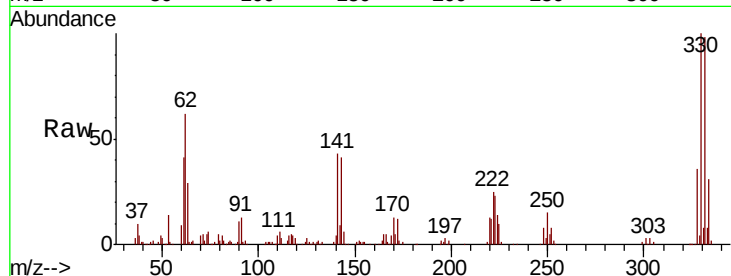




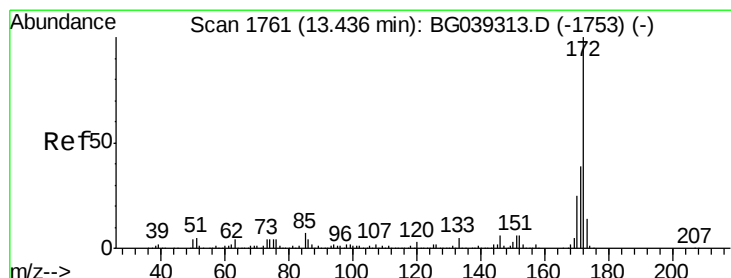
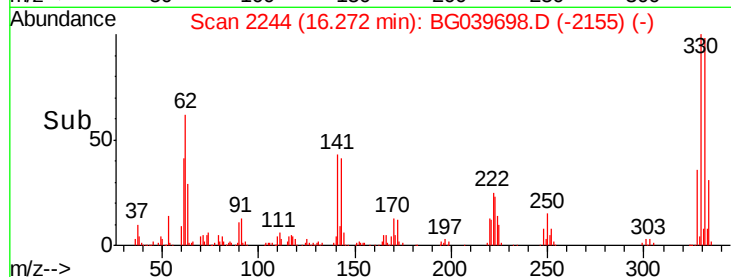
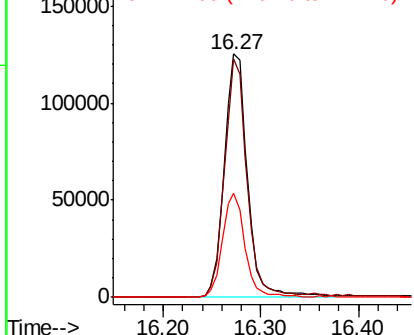
#42
 2,4,6-Tribromophenol
 Concen: 141.316 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: BG039698.D
 Acq: 1 Mar 2019 22:18

Instrument :
 BNA_G
 ClientSampleId :
 200051

Tgt Ion:330 Resp: 207360
 Ion Ratio Lower Upper
 330 100
 332 94.8 75.7 113.5
 141 41.2 35.6 53.4

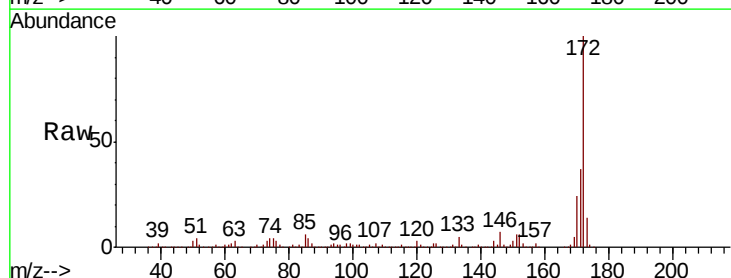


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

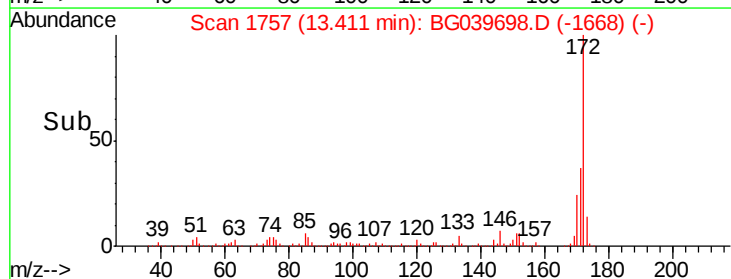
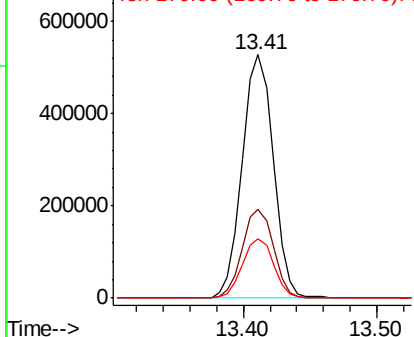


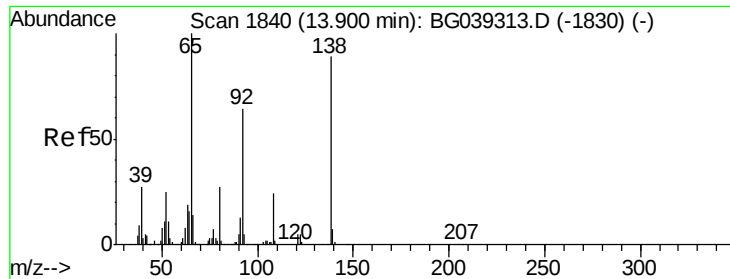
#45
 2-Fluorobiphenyl
 Concen: 89.481 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: BG039698.D
 Acq: 1 Mar 2019 22:18

Tgt Ion:172 Resp: 849969
 Ion Ratio Lower Upper
 172 100
 171 36.5 30.8 46.2
 170 24.5 20.2 30.4



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





#48

2-Nitroaniline

Concen: 8.707 ng

RT: 13.41 min Scan# 1756

Delta R.T. -0.47 min

Lab File: BG039698.D

Acq: 1 Mar 2019 22:18

Instrument :

BNA_G

ClientSampled :

200051

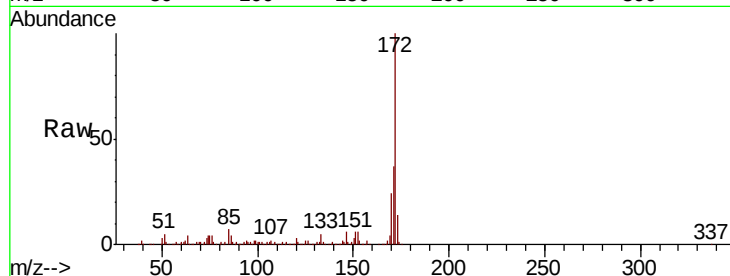
Tgt Ion: 65 Resp: 1218

Ion Ratio Lower Upper

65 100

92 217.2 51.4 77.2#

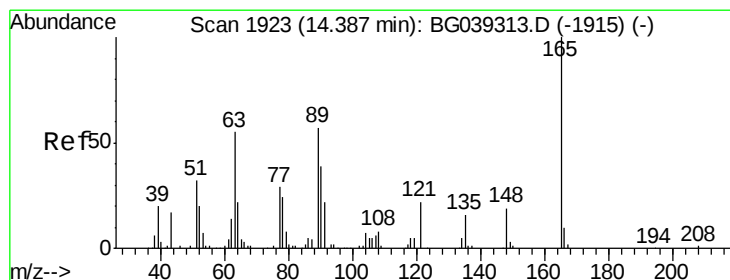
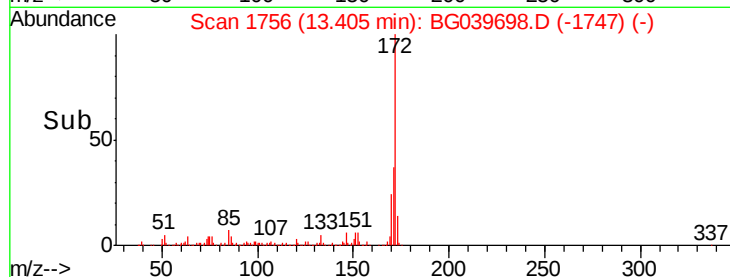
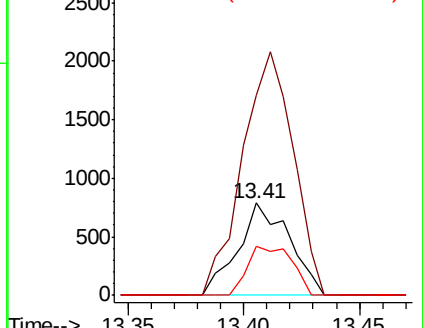
138 53.4 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): BGC



#51

2,6-Dinitrotoluene

Concen: 13.894 ng

RT: 14.79 min Scan# 1991

Delta R.T. 0.42 min

Lab File: BG039698.D

Acq: 1 Mar 2019 22:18

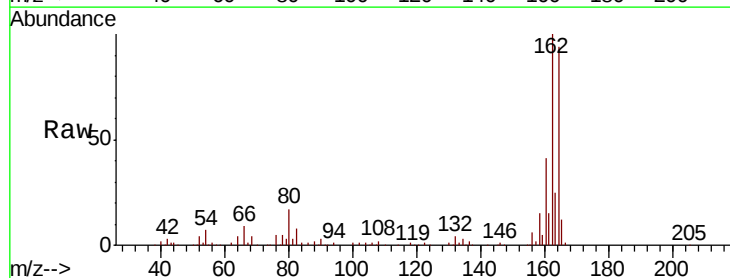
Tgt Ion: 165 Resp: 17474

Ion Ratio Lower Upper

165 100

63 0.0 47.0 70.6#

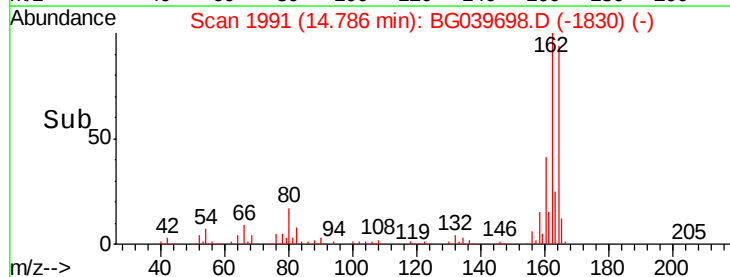
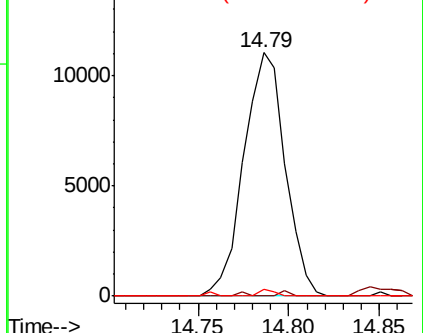
89 2.6 45.8 68.8#

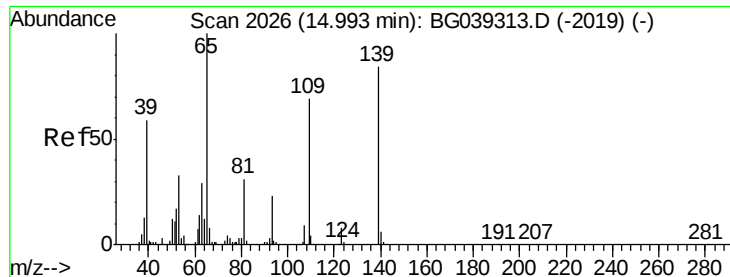


Abundance Ion 165.00 (164.70 to 165.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

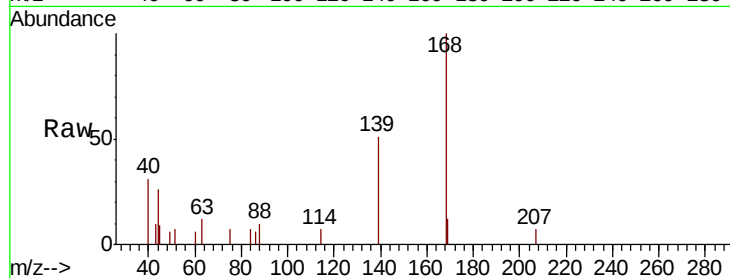




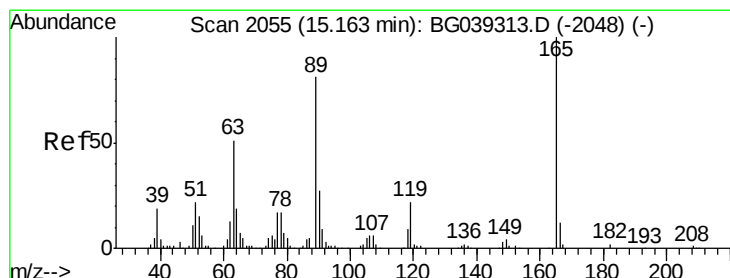
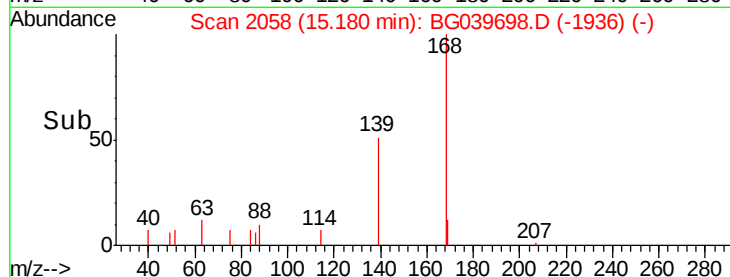
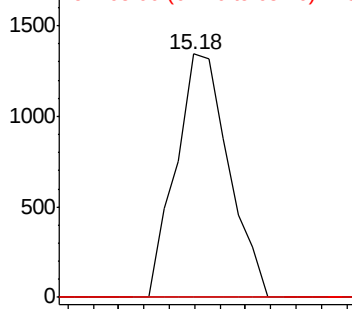
#56
4-Nitrophenol
Concen: 6.699 ng
RT: 15.18 min Scan# 2058
Delta R.T. 0.19 min
Lab File: BG039698.D
Acq: 1 Mar 2019 22:18

Instrument :
BNA_G
ClientSampleId :
200051

Tgt Ion:139 Resp: 1941
Ion Ratio Lower Upper
139 100
109 0.0 61.9 101.9#
65 0.0 99.1 139.1#

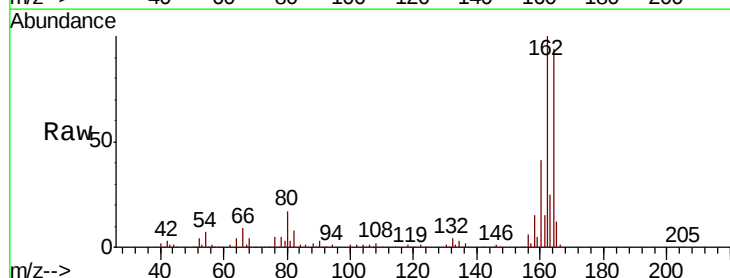


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

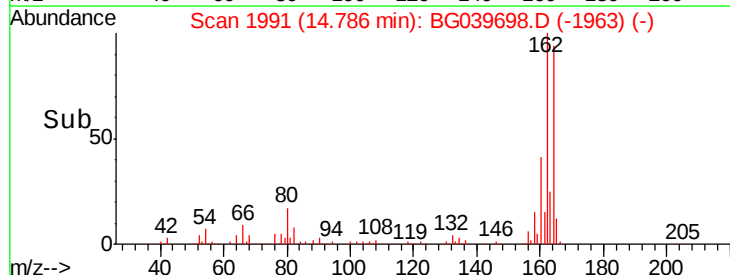
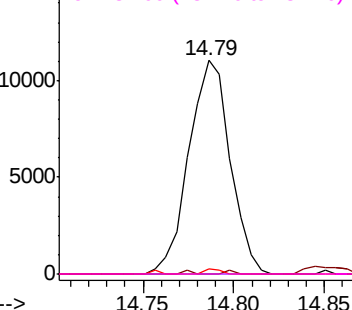


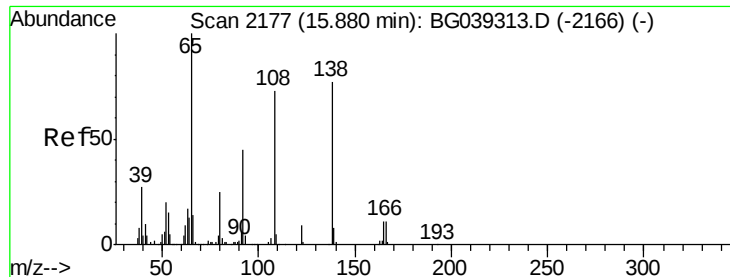
#57
2,4-Dinitrotoluene
Concen: 13.376 ng
RT: 14.79 min Scan# 1991
Delta R.T. -0.36 min
Lab File: BG039698.D
Acq: 1 Mar 2019 22:18

Tgt Ion:165 Resp: 17474
Ion Ratio Lower Upper
165 100
63 0.0 41.0 61.6#
89 2.6 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

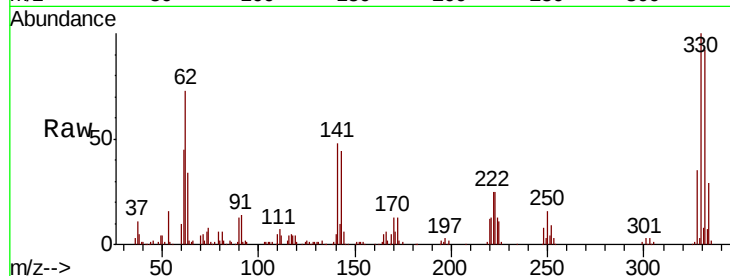




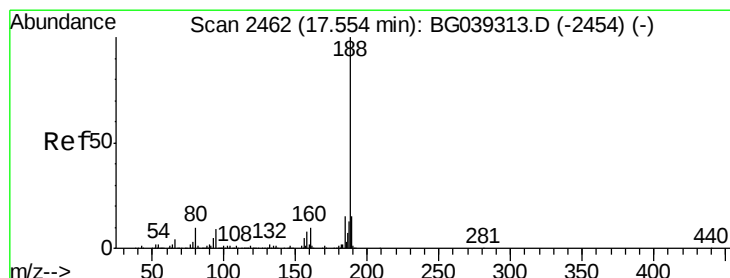
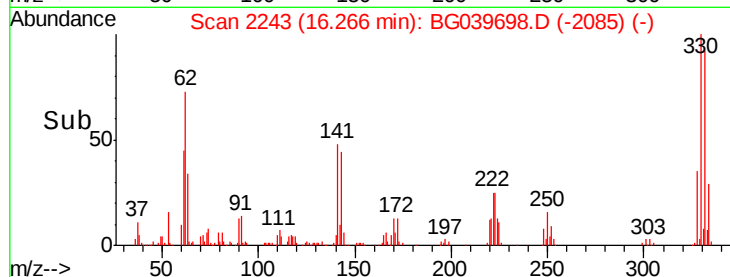
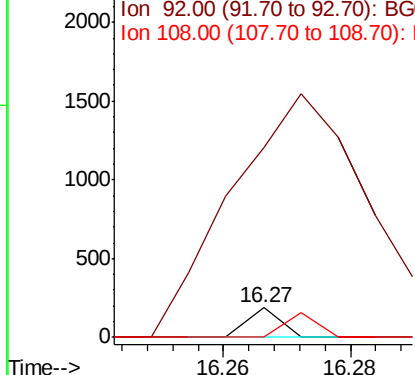
#62
4-Nitroaniline
Concen: 4.229 ng
RT: 16.27 min Scan# 2243
Delta R.T. 0.40 min
Lab File: BG039698.D
Acq: 1 Mar 2019 22:18

Instrument :
BNA_G
ClientSampleId :
200051

Tgt Ion:138 Resp: 66
Ion Ratio Lower Upper
138 100
92 646.8 38.7 78.7#
108 0.0 74.6 114.6#

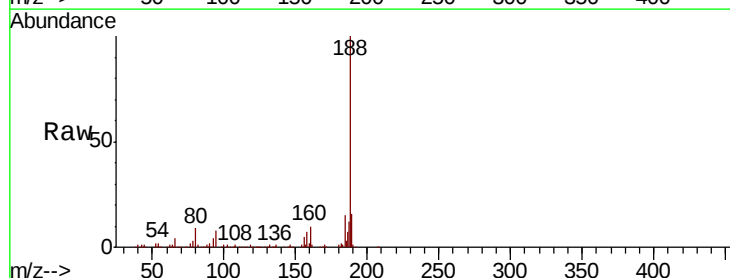


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): E

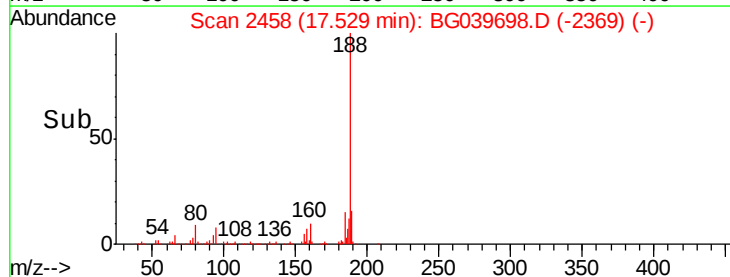
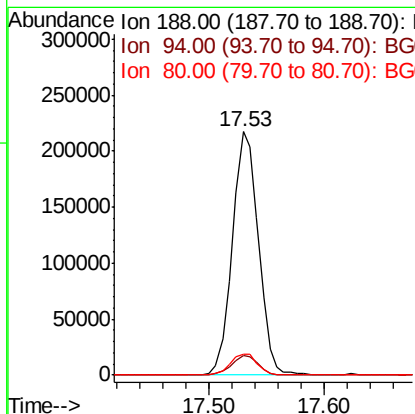


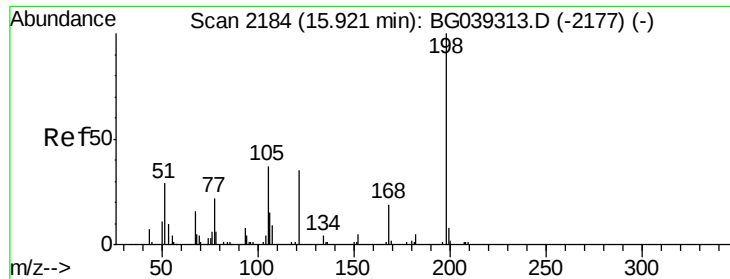
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.53 min Scan# 2458
Delta R.T. -0.00 min
Lab File: BG039698.D
Acq: 1 Mar 2019 22:18

Tgt Ion:188 Resp: 339769
Ion Ratio Lower Upper
188 100
94 8.3 6.9 10.3
80 8.6 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

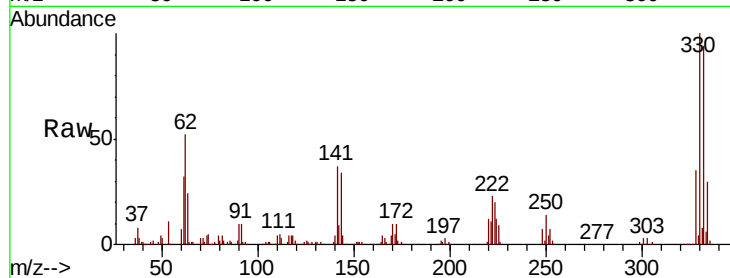




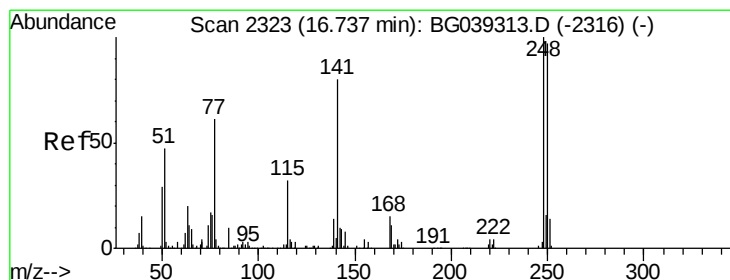
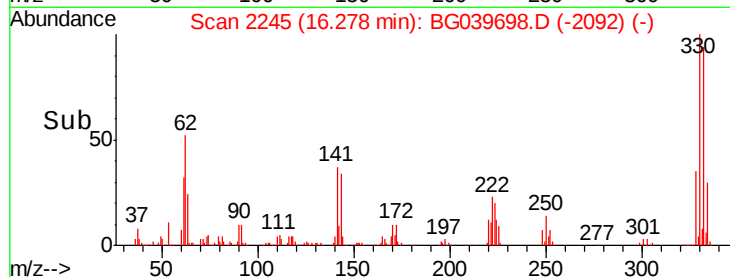
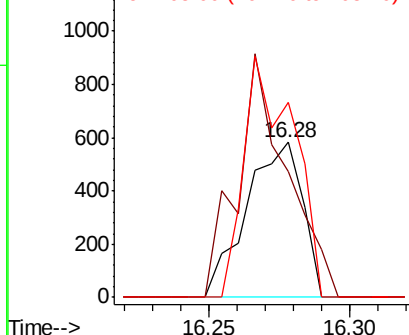
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.931 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. 0.37 min
 Lab File: BG039698.D
 Acq: 1 Mar 2019 22:18

Instrument :
 BNA_G
 ClientSampleId :
 200051

Tgt Ion:198 Resp: 801
 Ion Ratio Lower Upper
 198 100
 51 81.0 27.4 67.4#
 105 125.9 19.7 59.7#

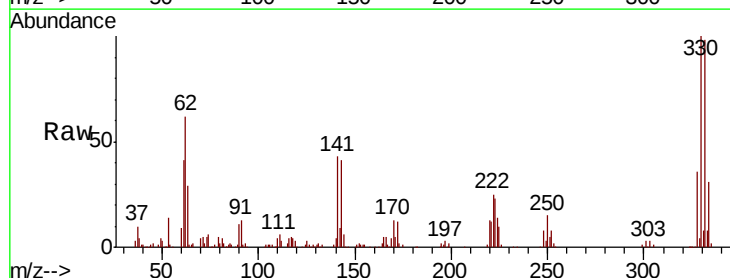


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG039313.D (-2177) (-)
 Ion 105.00 (104.70 to 105.70): E

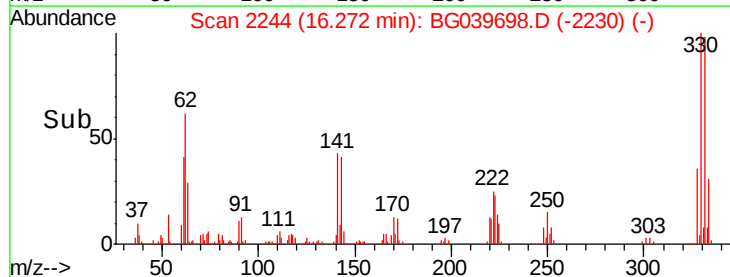
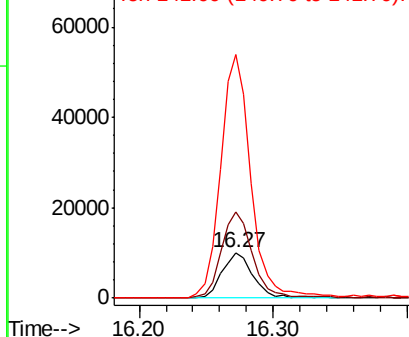


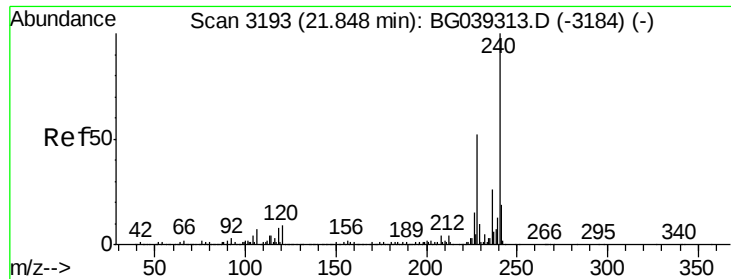
#67
 4-Bromophenyl-phenylether
 Concen: 4.356 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. -0.45 min
 Lab File: BG039698.D
 Acq: 1 Mar 2019 22:18

Tgt Ion:248 Resp: 16421
 Ion Ratio Lower Upper
 248 100
 250 189.8 77.6 116.4#
 141 534.2 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

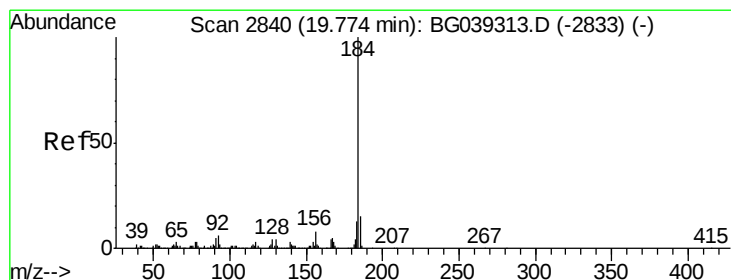
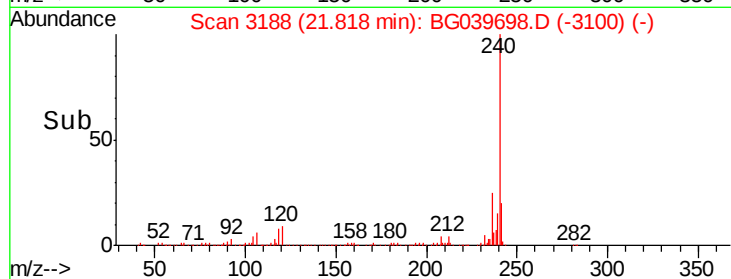
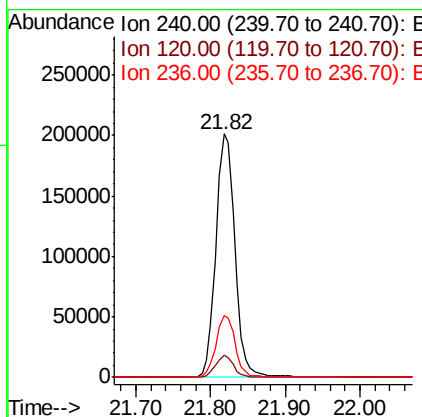
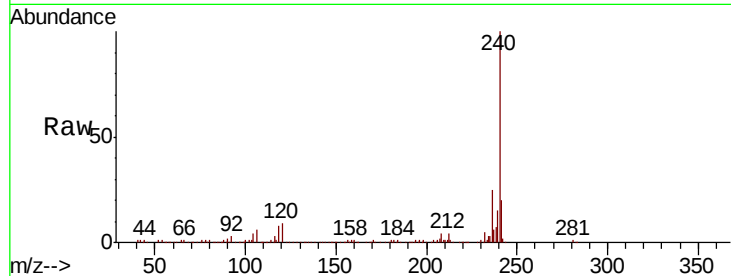




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3188
Delta R.T. -0.01 min
Lab File: BG039698.D
Acq: 1 Mar 2019 22:18

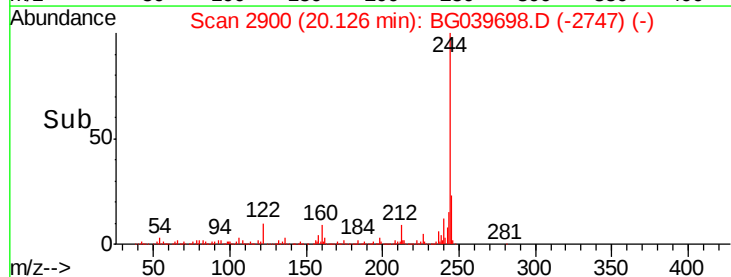
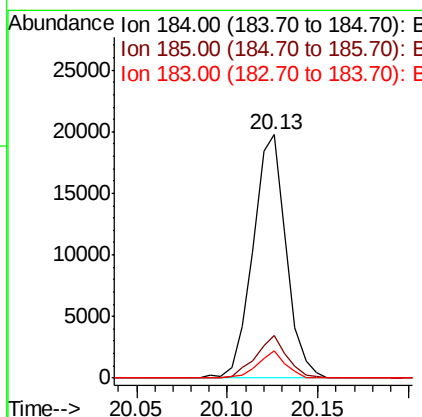
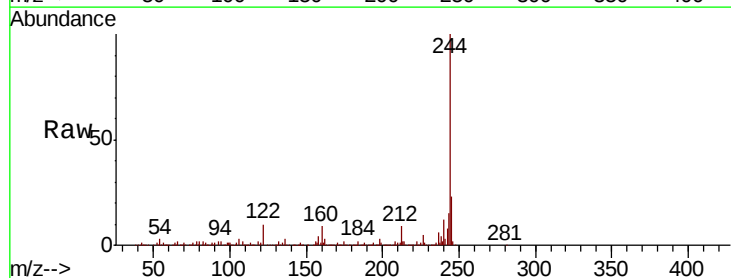
Instrument :
BNA_G
ClientSampled :
200051

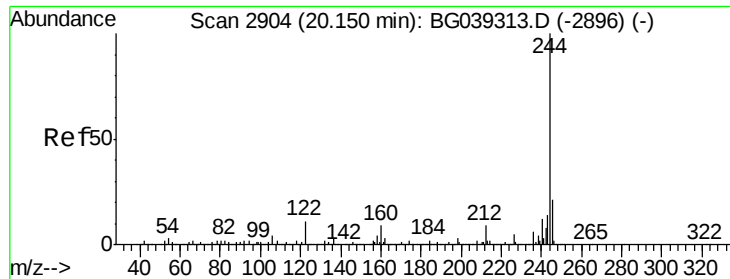
Tgt Ion:240 Resp: 357383
Ion Ratio Lower Upper
240 100
120 9.1 7.0 10.6
236 25.4 21.0 31.4



#77
Benzidine
Concen: 2.152 ng
RT: 20.13 min Scan# 2900
Delta R.T. 0.37 min
Lab File: BG039698.D
Acq: 1 Mar 2019 22:18

Tgt Ion:184 Resp: 25214
Ion Ratio Lower Upper
184 100
185 17.3 12.2 18.2
183 11.3 10.6 15.8

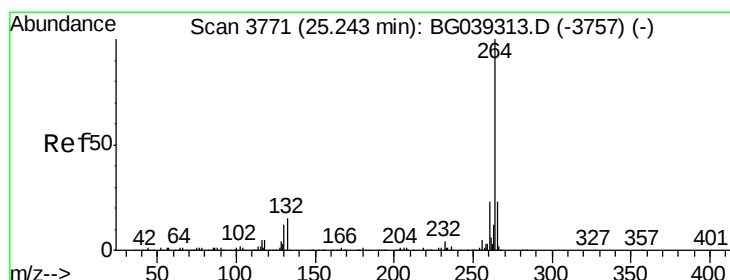
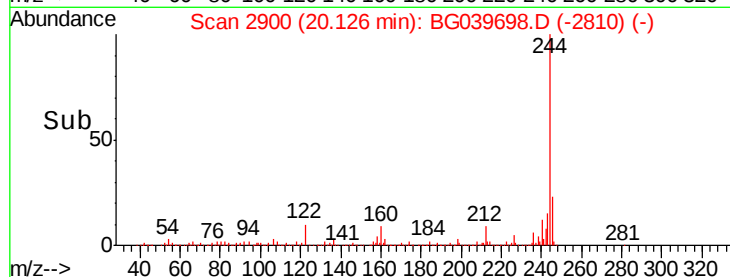
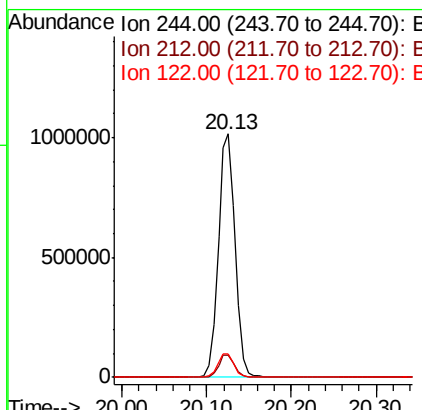
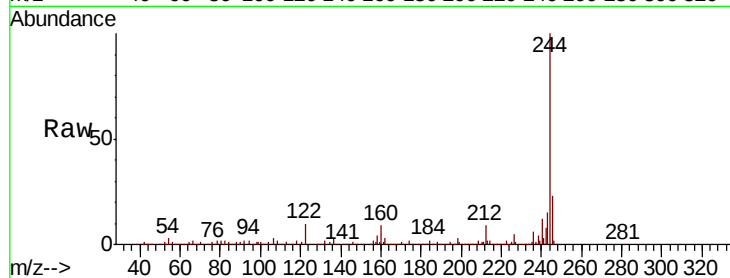




#79
 Terphenyl-d14
 Concen: 83.432 ng
 RT: 20.13 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: BG039698.D
 Acq: 1 Mar 2019 22:18

Instrument :
 BNA_G
 ClientSampled :
 200051

Tgt Ion:244 Resp: 1408673
 Ion Ratio Lower Upper
 244 100
 212 9.3 7.3 10.9
 122 9.7 8.4 12.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.20 min Scan# 3764
 Delta R.T. 0.00 min
 Lab File: BG039698.D
 Acq: 1 Mar 2019 22:18

Tgt Ion:264 Resp: 334413
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.2 27.4
 265 20.8 18.5 27.7

