

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030119\
 Data File : BG039720.D
 Acq On : 2 Mar 2019 12:40
 Operator : JU/SJ
 Sample : K1675-44
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 03 23:49:23 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

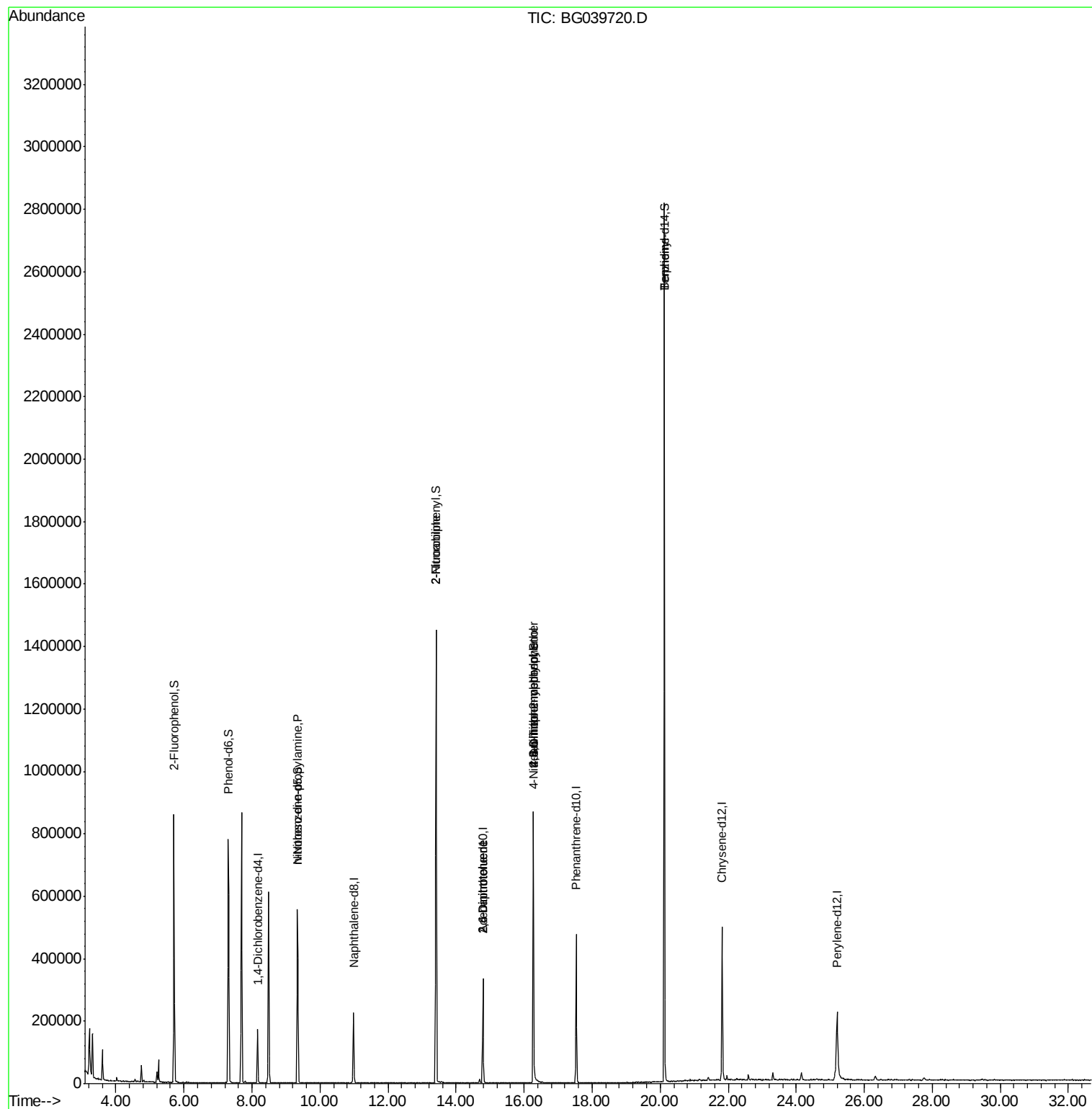
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	46585	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	194715	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	124598	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	304241	20.00	ng	0.00
76) Chrysene-d12	21.82	240	319364	20.00	ng	0.00
87) Perylene-d12	25.20	264	303846	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	358679	131.78	ng	0.00
7) Phenol-d6	7.31	99	468119	116.84	ng	0.00
23) Nitrobenzene-d5	9.34	82	331972	106.51	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	162302	120.97	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	775613	89.30	ng	0.00
79) Terphenyl-d14	20.12	244	1265071	83.85	ng	0.00
Target Compounds						
9) Benzaldehyde	7.31	77	893	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.34	70	42393	14.908 ng	#	26
48) 2-Nitroaniline	13.41	65	1343	8.792 ng	#	3
51) 2,6-Dinitrotoluene	14.78	165	15839	13.830 ng	#	25
57) 2,4-Dinitrotoluene	14.78	165	15839	13.328 ng	#	20
62) 4-Nitroaniline	16.28	138	57	4.227 ng	#	1
65) 4,6-Dinitro-2-methylphenol	16.27	198	397	4.592 ng	#	1
67) 4-Bromophenyl-phenylether	16.27	248	13005	3.853 ng	#	1
77) Benzidine	20.12	184	22543	2.153 ng	#	94

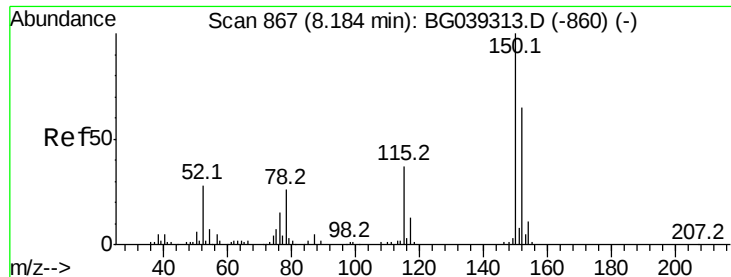
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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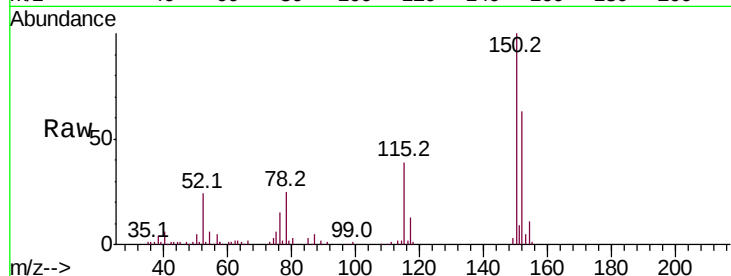


#1

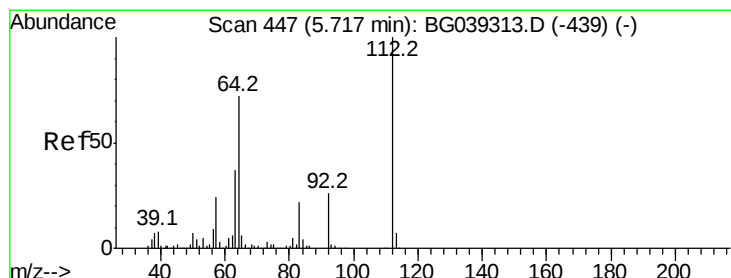
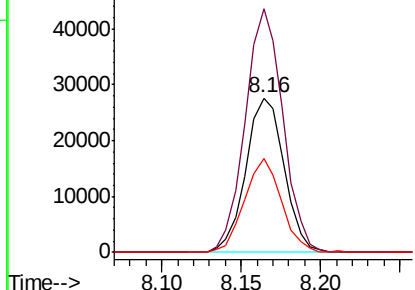
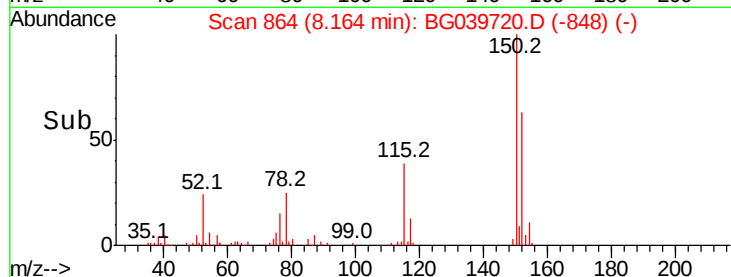
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 864
Delta R.T. -0.01 min
Lab File: BG039720.D
Acq: 2 Mar 2019 12:40

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 46585
Ion Ratio Lower Upper
152 100
150 157.6 123.7 185.5
115 60.8 45.9 68.9



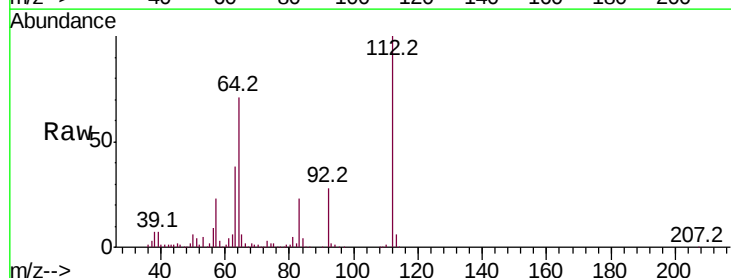
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



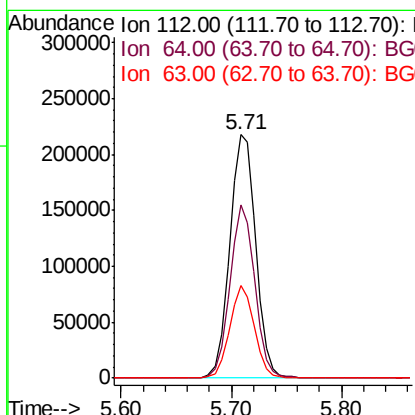
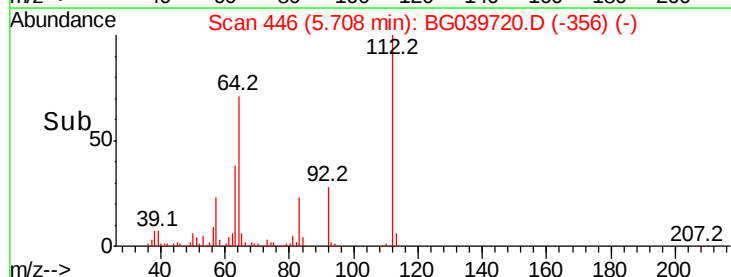
#5

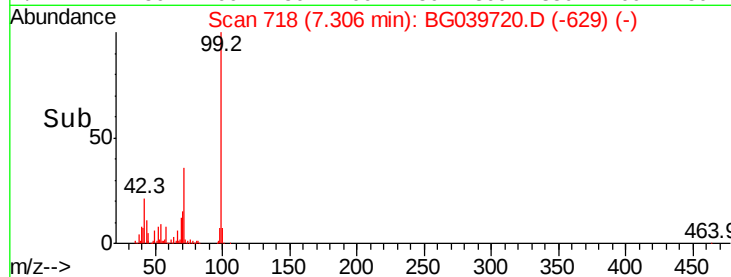
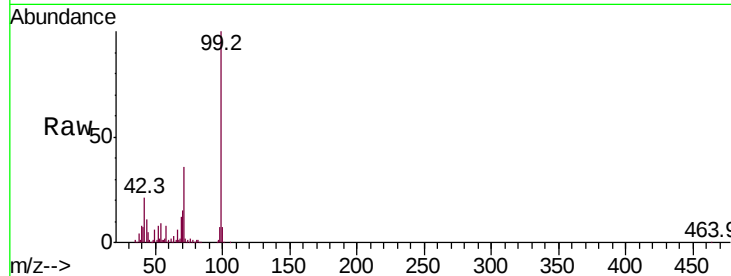
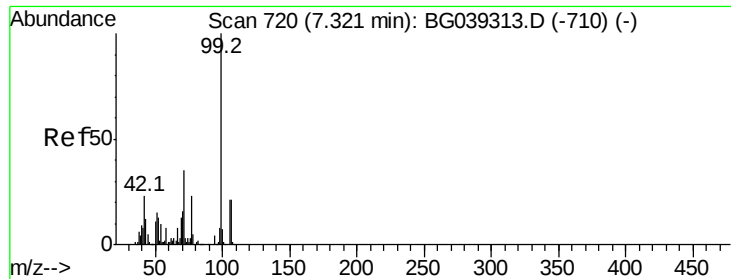
2-Fluorophenol
Concen: 131.777 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.00 min
Lab File: BG039720.D
Acq: 2 Mar 2019 12:40

Tgt Ion:112 Resp: 358679
Ion Ratio Lower Upper
112 100
64 71.0 57.8 86.8
63 37.8 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: 116.840 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG039720.D

Acq: 2 Mar 2019 12:40

Instrument :

BNA_G

ClientSampleId :

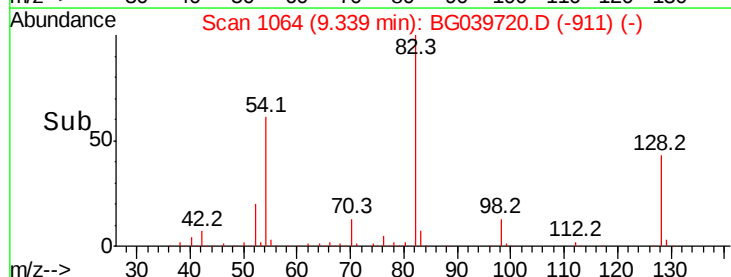
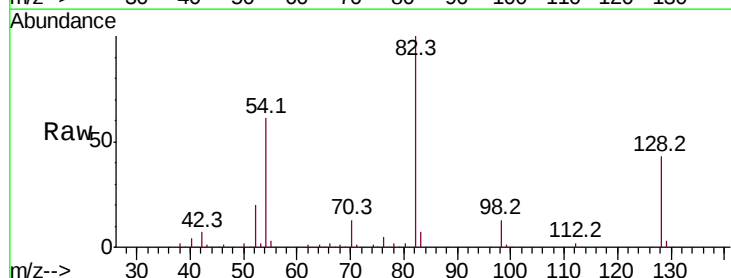
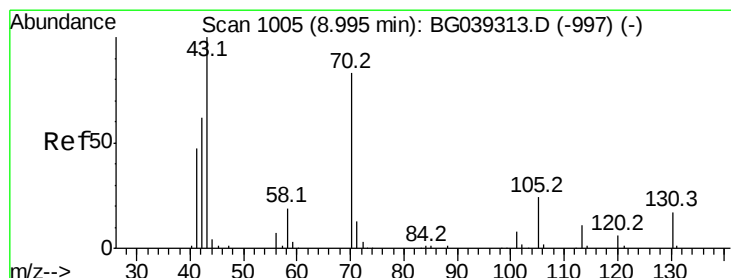
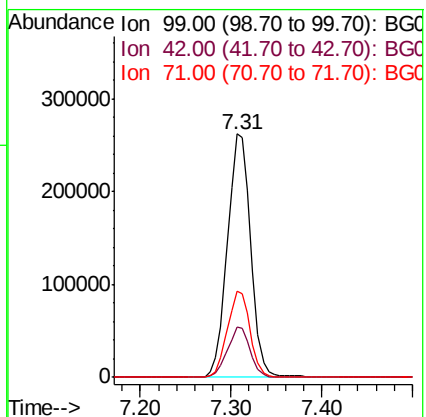
Tot Ion: 99 Resp: 468119

Ion Ratio Lower Upper

99 100

42 20.7 18.2 27.2

71 35.6 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.908 ng

RT: 9.34 min Scan# 1064

Delta R.T. 0.37 min

Lab File: BG039720.D

Acq: 2 Mar 2019 12:40

Tgt Ion: 70 Resp: 42393

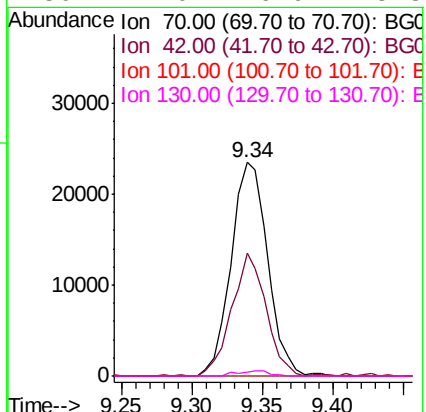
Ion Ratio Lower Upper

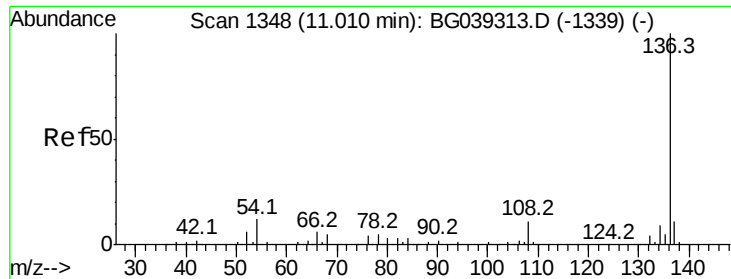
70 100

42 57.8 60.4 90.6#

101 0.0 7.5 11.3#

130 2.0 16.9 25.3#

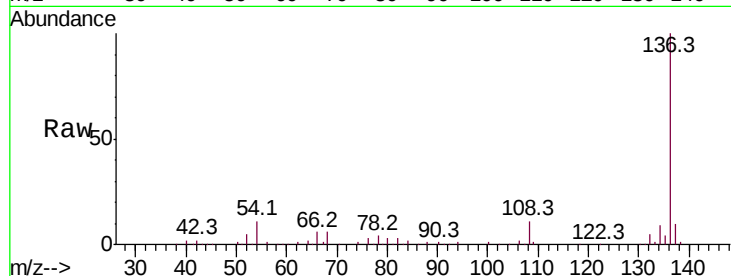




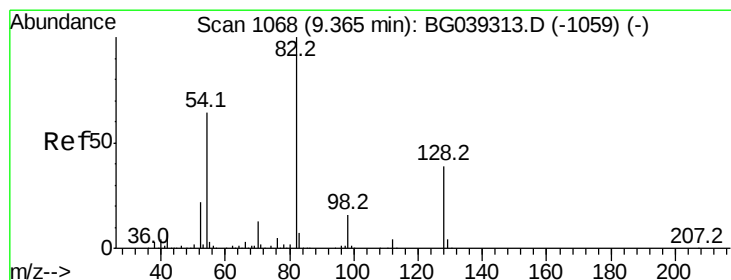
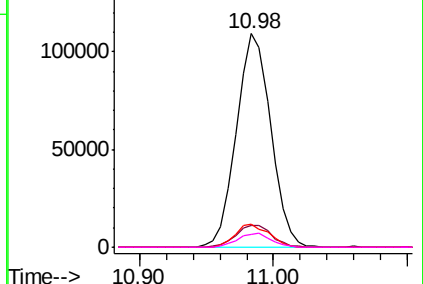
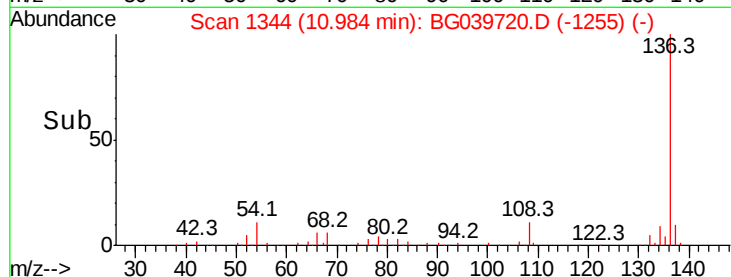
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BG039720.D
Acq: 2 Mar 2019 12:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	194715
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	10.6	9.4	14.2
68	6.3	4.2	6.4

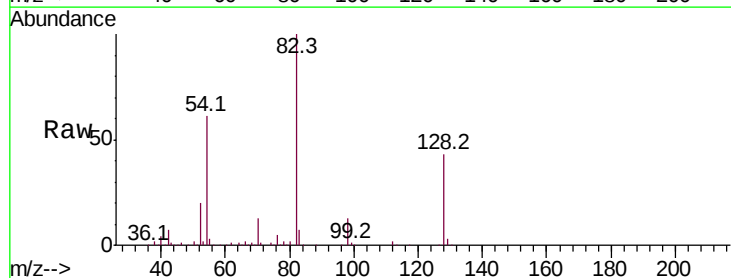


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

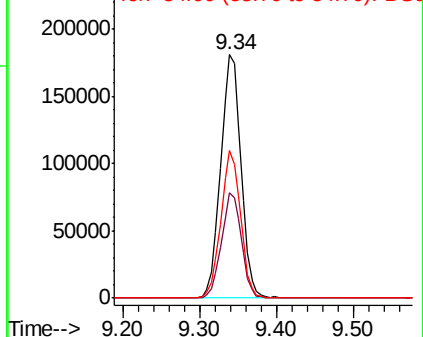
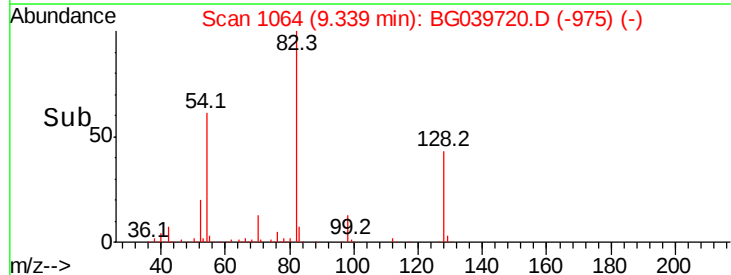


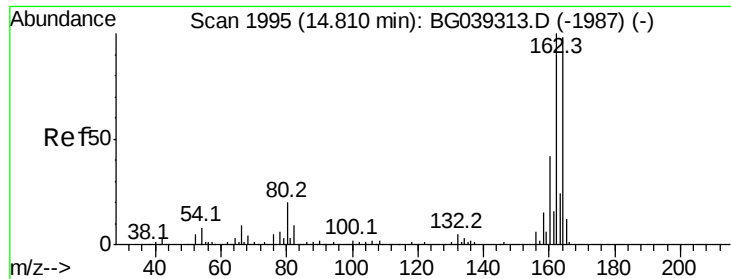
#23
Nitrobenzene-d5
Concen: 106.509 ng
RT: 9.34 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BG039720.D
Acq: 2 Mar 2019 12:40

Tgt Ion:	82	Resp:	331972
Ion	Ratio	Lower	Upper
82	100		
128	43.3	31.3	46.9
54	60.6	50.9	76.3



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.00 min

Lab File: BG039720.D

Acq: 2 Mar 2019 12:40

Instrument :

BNA_G

ClientSampled :

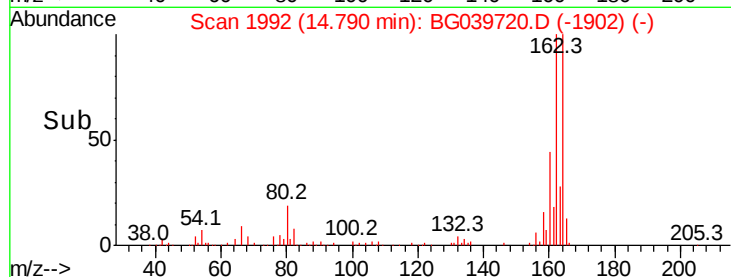
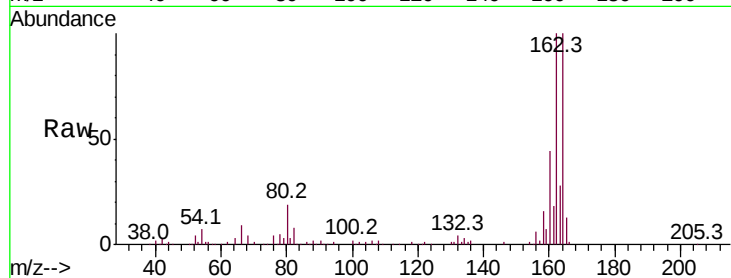
Tot Ion:164 Resp: 124598

Ion Ratio Lower Upper

164 100

162 100.3 81.6 122.4

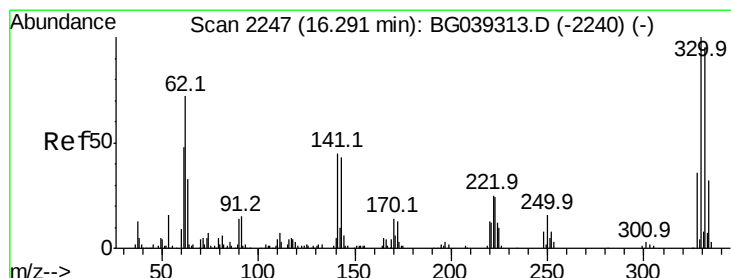
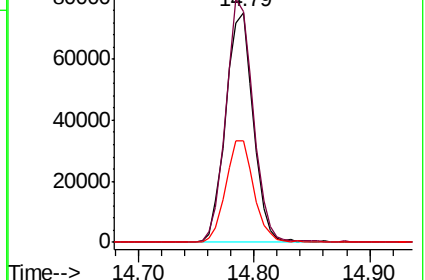
160 43.9 34.2 51.2



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: 120.967 ng

RT: 16.27 min Scan# 2244

Delta R.T. -0.01 min

Lab File: BG039720.D

Acq: 2 Mar 2019 12:40

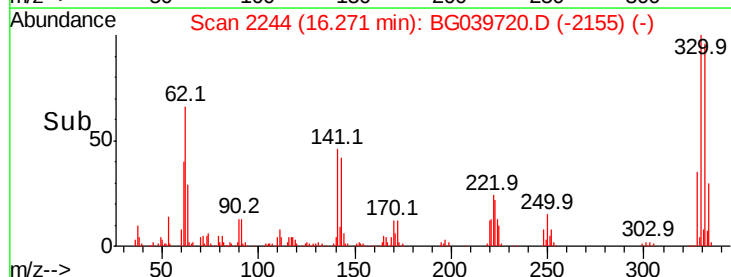
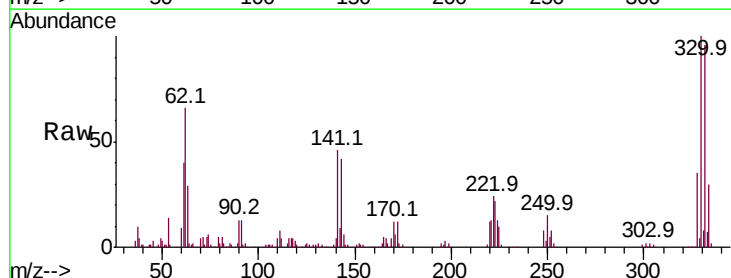
Tgt Ion:330 Resp: 162302

Ion Ratio Lower Upper

330 100

332 95.7 75.7 113.5

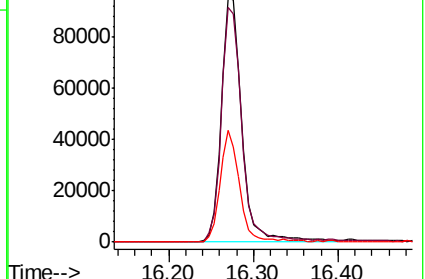
141 42.1 35.6 53.4

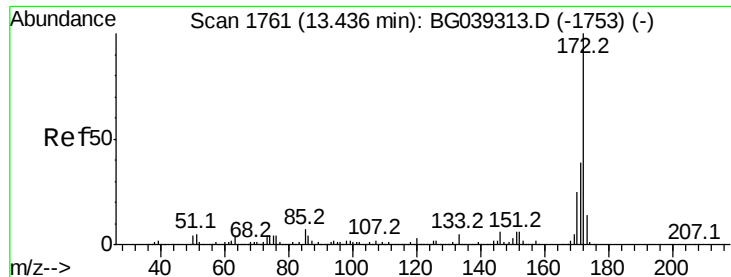


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

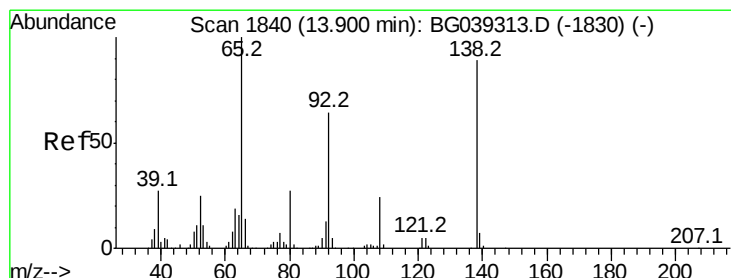
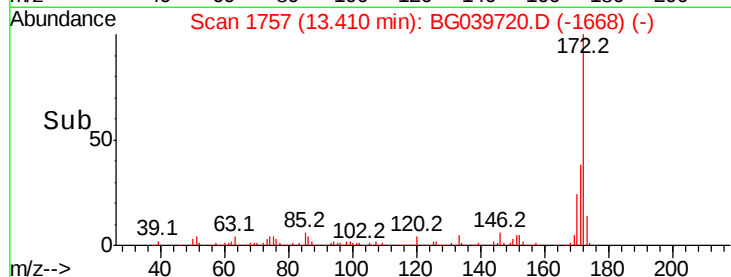
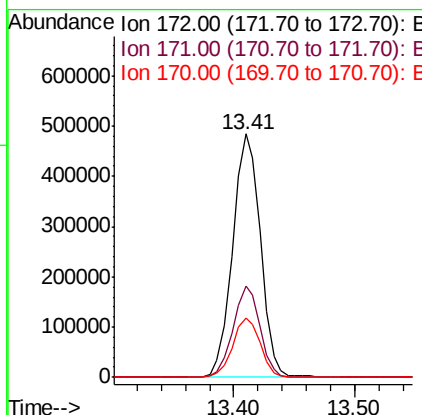
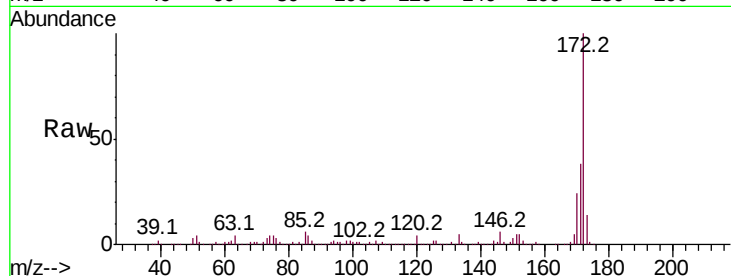




#45
 2-Fluorobiphenyl
 Concen: 89.300 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: BG039720.D
 Acq: 2 Mar 2019 12:40

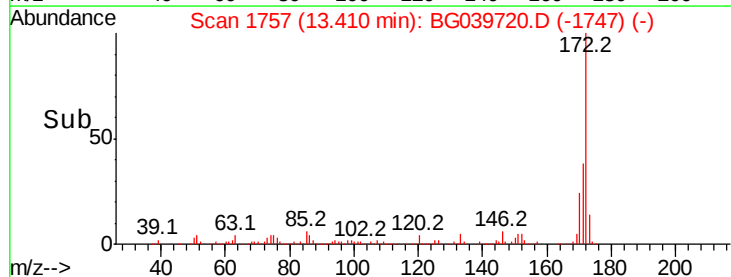
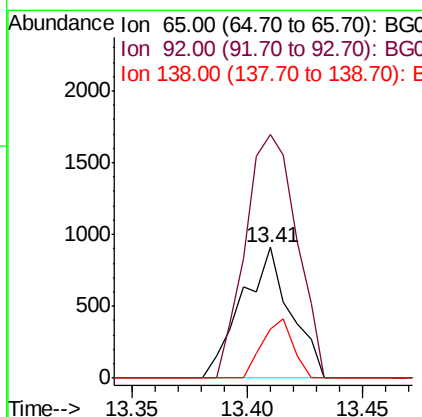
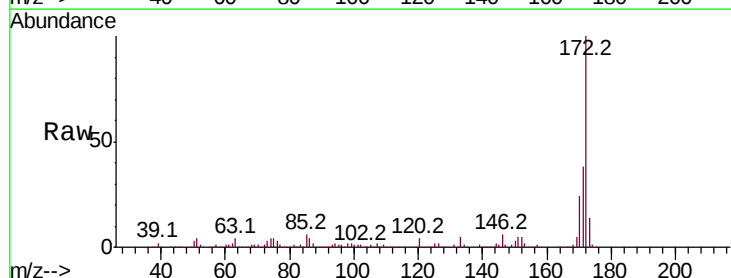
Instrument :
 BNA_G
 ClientSampleId :

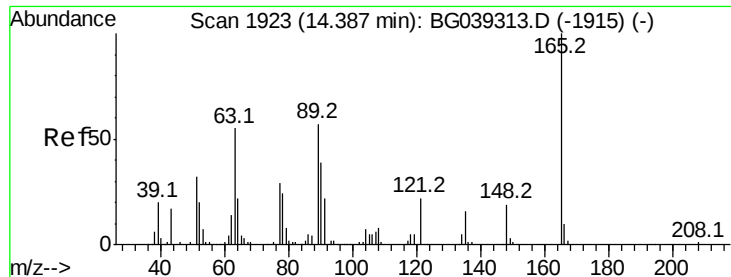
Tot Ion:172 Resp: 775613
 Ion Ratio Lower Upper
 172 100
 171 37.7 30.8 46.2
 170 24.4 20.2 30.4



#48
 2-Nitroaniline
 Concen: 8.792 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.47 min
 Lab File: BG039720.D
 Acq: 2 Mar 2019 12:40

Tgt Ion: 65 Resp: 1343
 Ion Ratio Lower Upper
 65 100
 92 186.2 51.4 77.2#
 138 37.8 71.4 107.2#

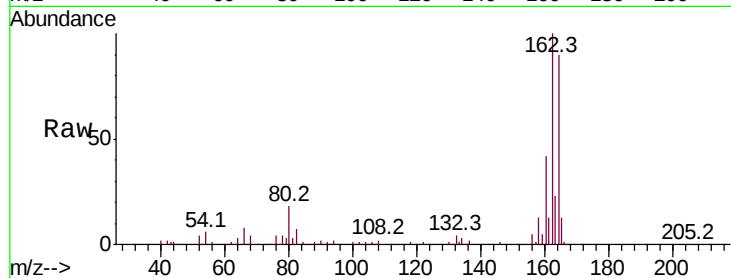




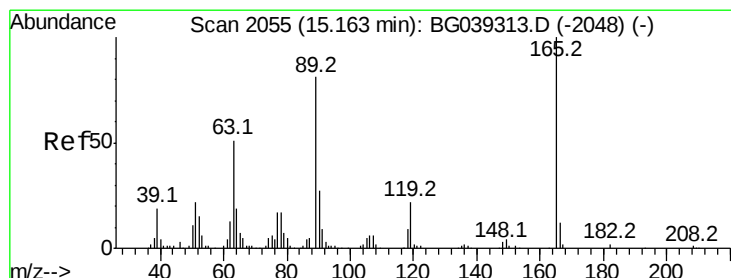
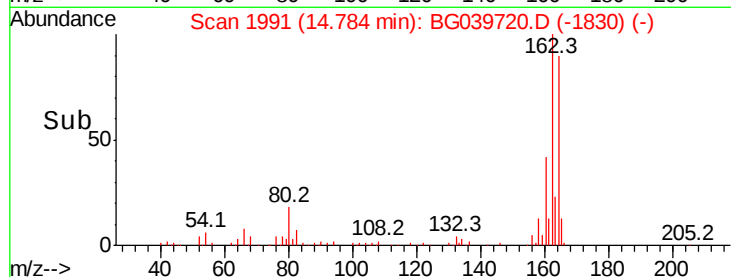
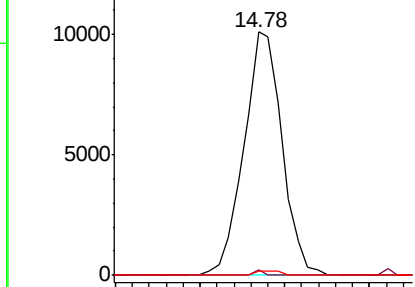
#51
2,6-Dinitrotoluene
Concen: 13.830 ng
RT: 14.78 min Scan# 1991
Delta R.T. 0.42 min
Lab File: BG039720.D
Acq: 2 Mar 2019 12:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 15839
Ion Ratio Lower Upper
165 100
63 2.4 47.0 70.6#
89 1.8 45.8 68.8#

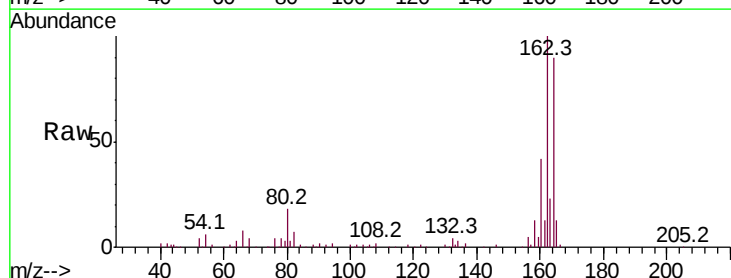


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

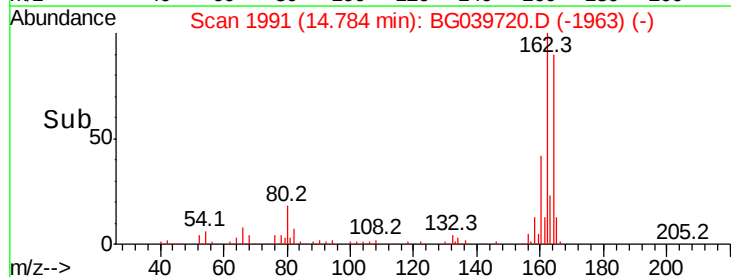
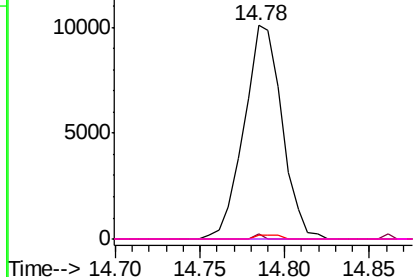


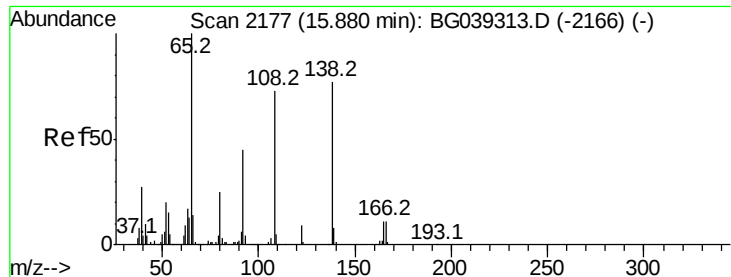
#57
2,4-Dinitrotoluene
Concen: 13.328 ng
RT: 14.78 min Scan# 1991
Delta R.T. -0.36 min
Lab File: BG039720.D
Acq: 2 Mar 2019 12:40

Tgt Ion:165 Resp: 15839
Ion Ratio Lower Upper
165 100
63 2.4 41.0 61.6#
89 1.8 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

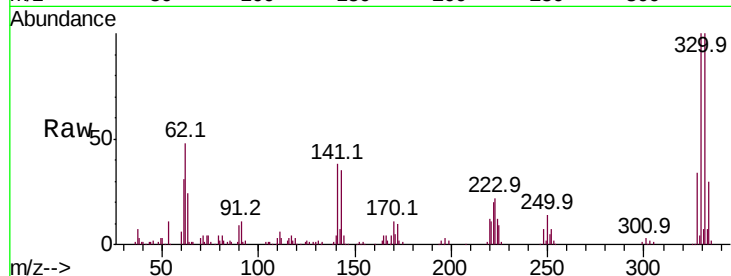




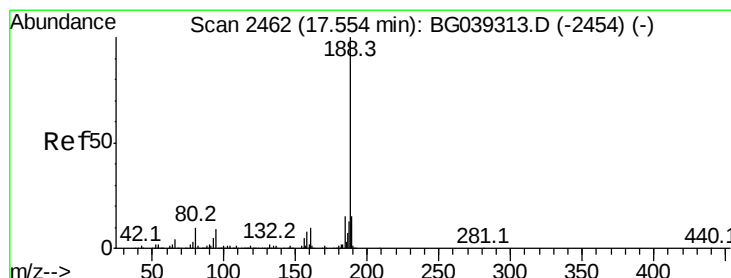
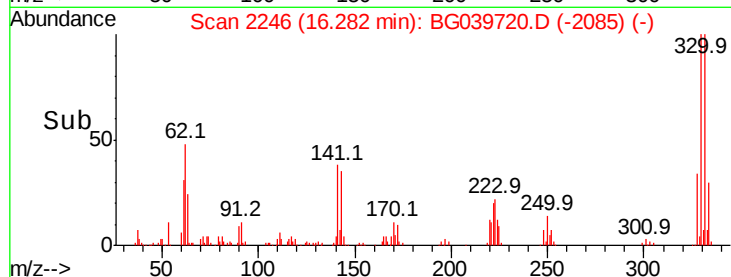
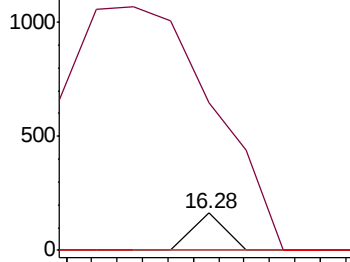
#62
4-Nitroaniline
Concen: 4.227 ng
RT: 16.28 min Scan# 2246
Delta R.T. 0.42 min
Lab File: BG039720.D
Acq: 2 Mar 2019 12:40

Instrument :
BNA_G
ClientSampled :

Tot Ion:138 Resp: 57
Ion Ratio Lower Upper
138 100
92 398.1 38.7 78.7#
108 0.0 74.6 114.6#

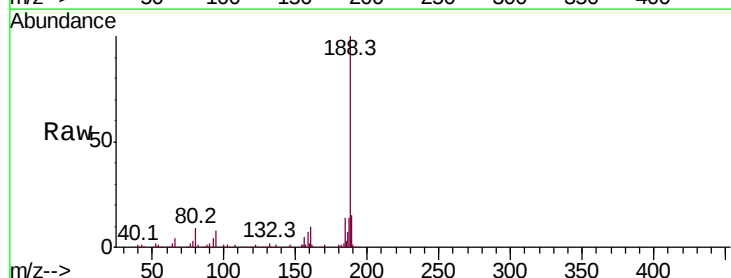


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): E

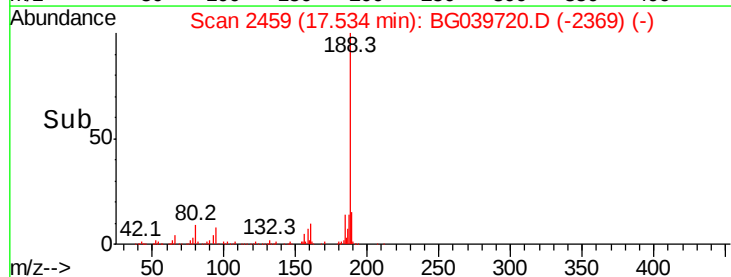
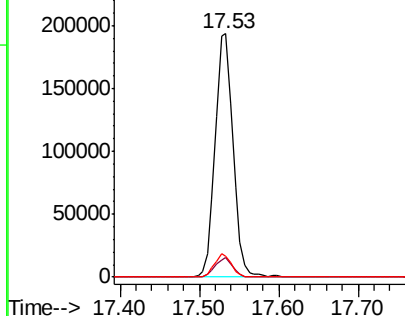


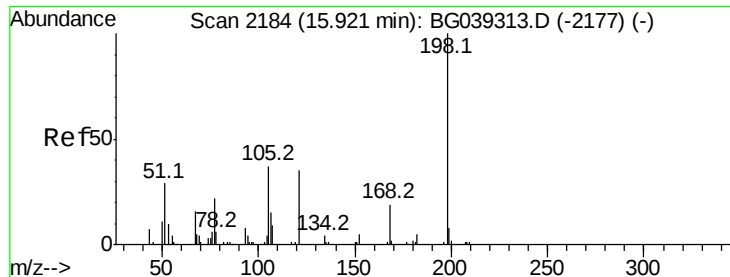
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.53 min Scan# 2459
Delta R.T. -0.00 min
Lab File: BG039720.D
Acq: 2 Mar 2019 12:40

Tgt Ion:188 Resp: 304241
Ion Ratio Lower Upper
188 100
94 8.3 6.9 10.3
80 8.7 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: 4.592 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.36 min

Lab File: BG039720.D

Acq: 2 Mar 2019 12:40

Instrument :

BNA_G

ClientSampleId :

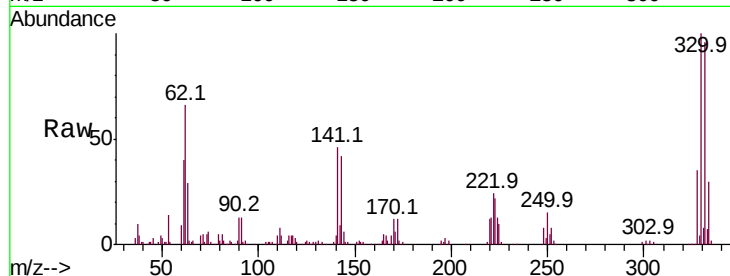
Tot Ion:198 Resp: 397

Ion Ratio Lower Upper

198 100

51 117.1 27.4 67.4#

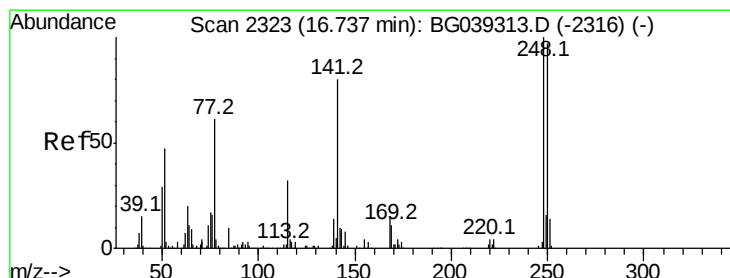
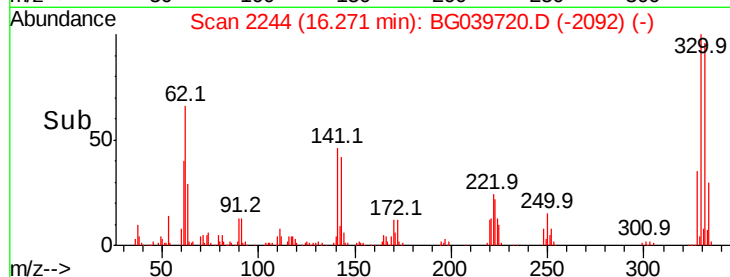
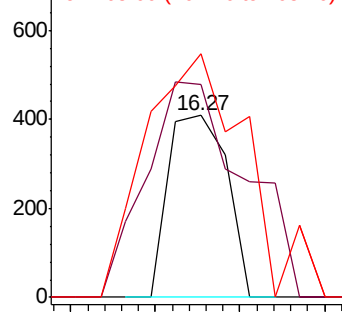
105 133.7 19.7 59.7#



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: 3.853 ng

RT: 16.27 min Scan# 2244

Delta R.T. -0.45 min

Lab File: BG039720.D

Acq: 2 Mar 2019 12:40

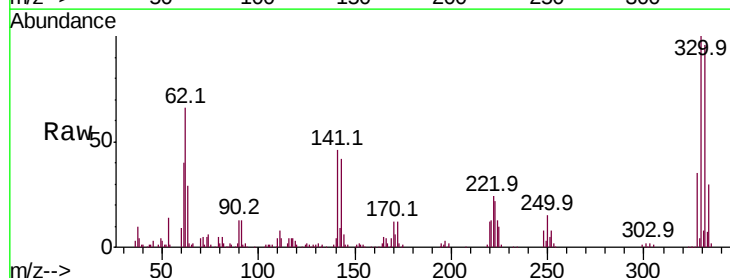
Tgt Ion:248 Resp: 13005

Ion Ratio Lower Upper

248 100

250 186.7 77.6 116.4#

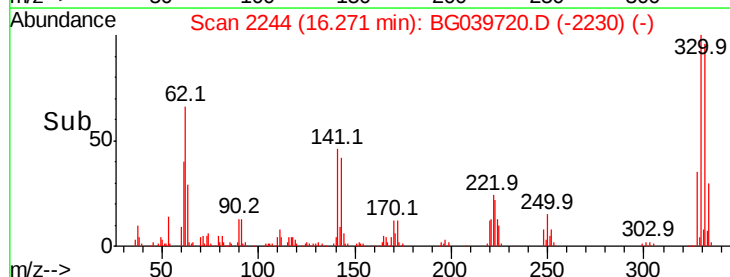
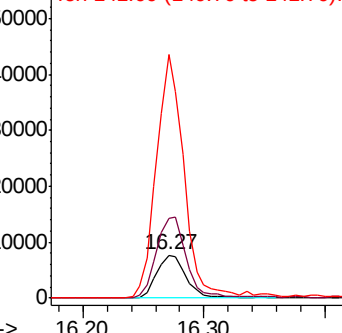
141 570.8 63.9 95.9#

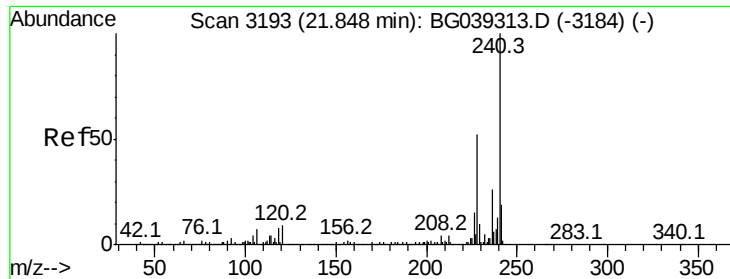


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

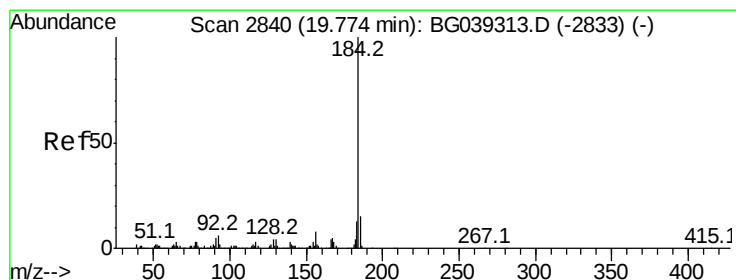
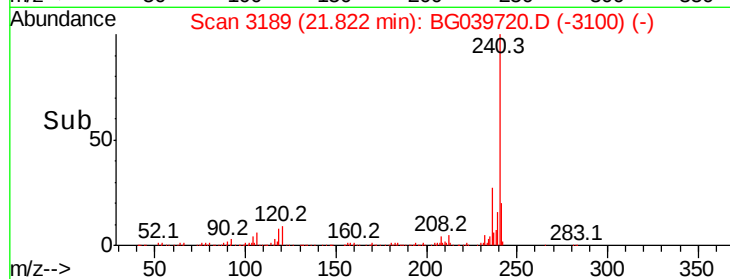
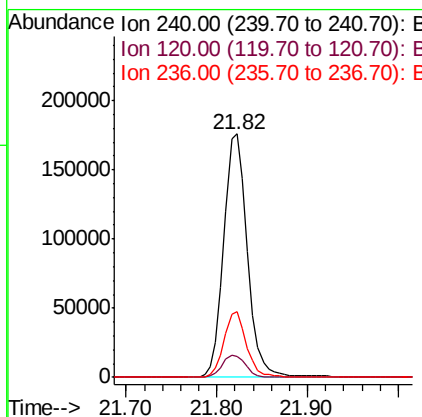
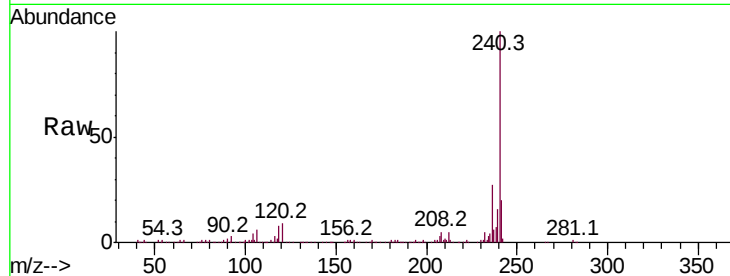




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.01 min
 Lab File: BG039720.D
 Acq: 2 Mar 2019 12:40

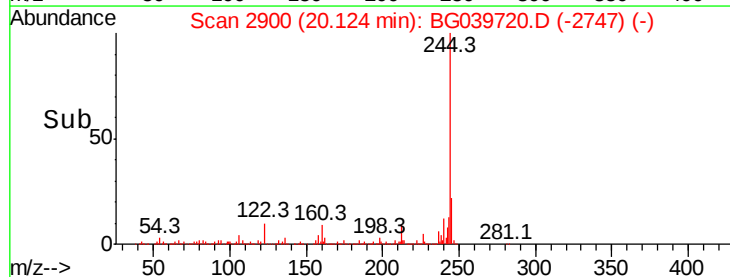
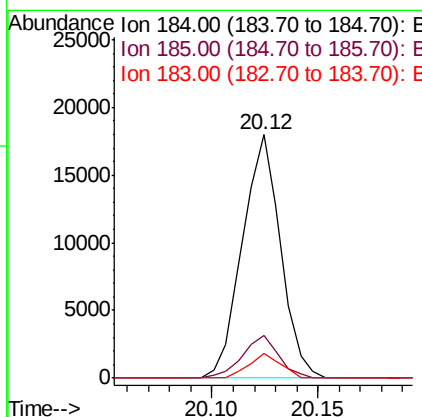
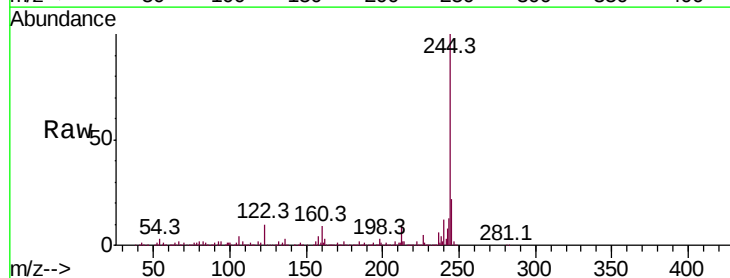
Instrument :
 BNA_G
 ClientSampleId :

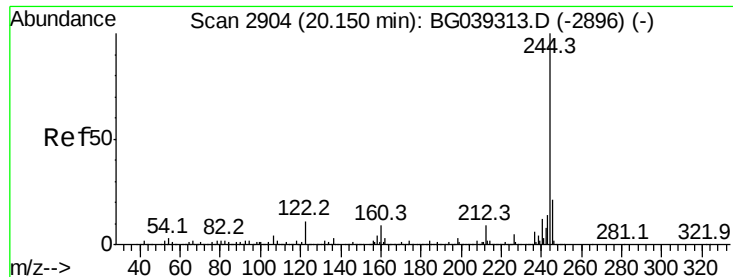
Tot Ion:240 Resp: 319364
 Ion Ratio Lower Upper
 240 100
 120 8.7 7.0 10.6
 236 26.8 21.0 31.4



#77
 Benzidine
 Concen: 2.153 ng
 RT: 20.12 min Scan# 2900
 Delta R.T. 0.37 min
 Lab File: BG039720.D
 Acq: 2 Mar 2019 12:40

Tgt Ion:184 Resp: 22543
 Ion Ratio Lower Upper
 184 100
 185 17.3 12.2 18.2
 183 10.1 10.6 15.8#



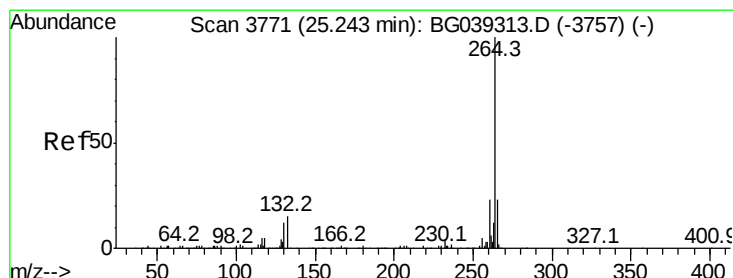
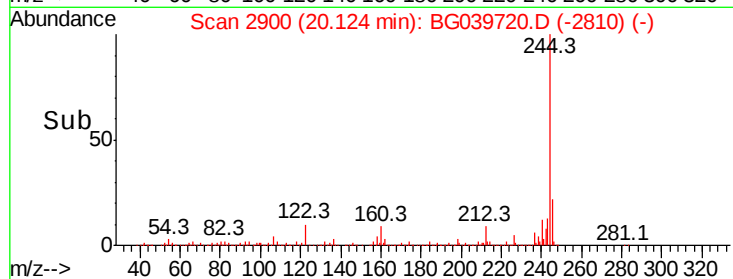
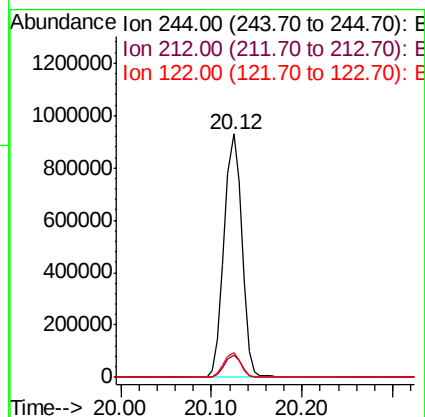
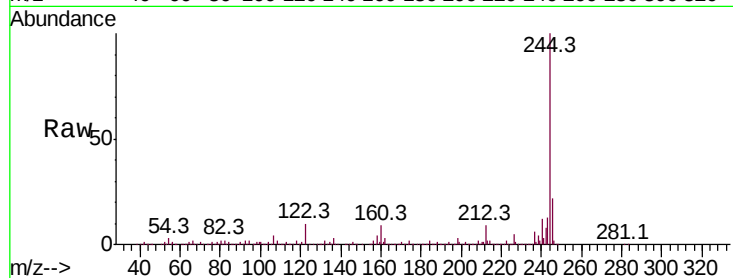


#79
 Terphenyl-d14
 Concen: 83.847 ng
 RT: 20.12 min Scan# 2900
 Delta R.T. -0.00 min
 Lab File: BG039720.D
 Acq: 2 Mar 2019 12:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1265071

Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.3	10.9
122	10.3	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: BG039720.D
 Acq: 2 Mar 2019 12:40

Tgt Ion:264 Resp: 303846

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.4
265	19.9	18.5	27.7

