

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020719\
 Data File : BG039396.D
 Acq On : 8 Feb 2019 00:13
 Operator : JU/SJ
 Sample : K1385-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 98-WC-S-01-2-57

Quant Time: Feb 08 09:15:45 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	54724	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	229945	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	153391	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	368862	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	404963	20.00	ng	-0.02
87) Perylene-d12	25.21	264	394260	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	446828	139.75	ng	0.00
7) Phenol-d6	7.31	99	582634	123.79	ng	0.00
23) Nitrobenzene-d5	9.35	82	422966	114.91	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	245660	148.73	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	1007550	94.23	ng	-0.01
79) Terphenyl-d14	20.14	244	1635591	85.49	ng	-0.01

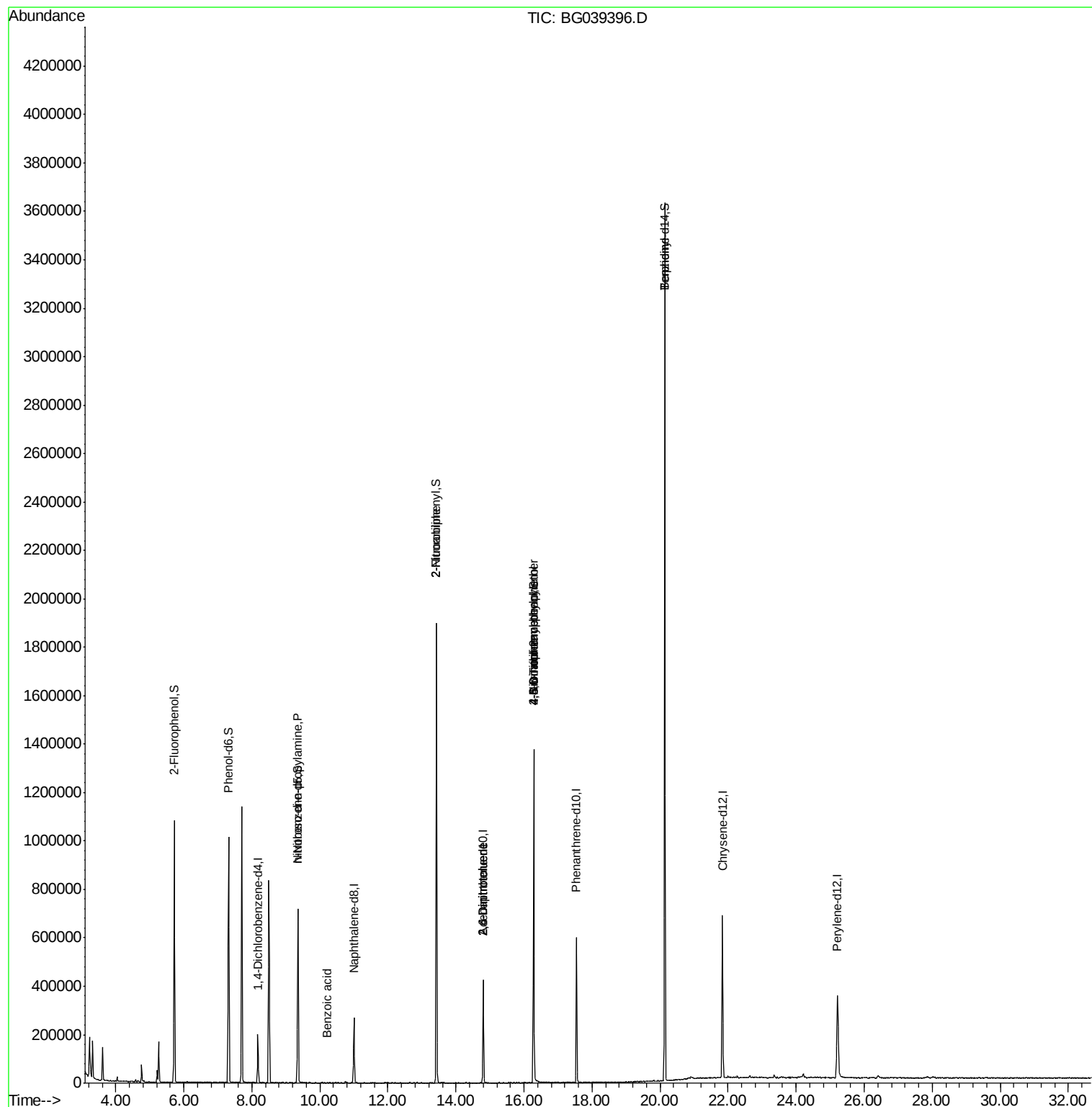
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1003	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.35	70	55047	16.48	ng	71
32) Benzoic acid	10.19	122	94	9.06	ng	1
48) 2-Nitroaniline	13.42	65	1713	8.81	ng	1
51) 2,6-Dinitrotoluene	14.80	165	18815	13.57	ng	25
57) 2,4-Dinitrotoluene	14.80	165	18815	13.13	ng	20
62) 4-Nitroaniline	16.29	138	64	4.23	ng	1
65) 4,6-Dinitro-2-methylphenol	16.28	198	849	4.91	ng	1
67) 4-Bromophenyl-phenylether	16.28	248	19167	4.68	ng	1
77) Benzidine	20.14	184	29257	2.20	ng	90

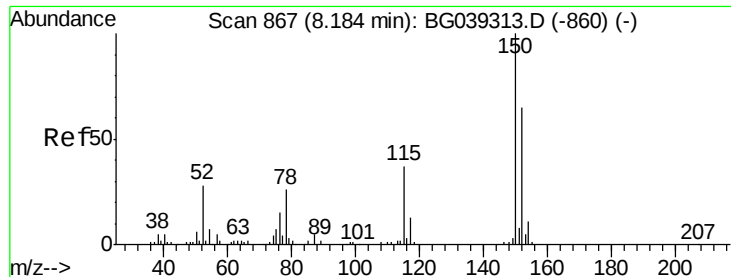
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.18 min Scan# 866

Delta R.T. -0.01 min

Lab File: BG039396.D

Acq: 8 Feb 2019 00:13

Instrument :

BNA_G

ClientSampleId :

98-WC-S-01-2-57

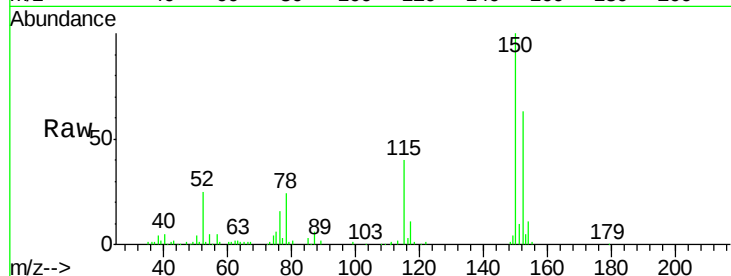
Tot Ion:152 Resp: 54724

Ion Ratio Lower Upper

152 100

150 159.4 123.7 185.5

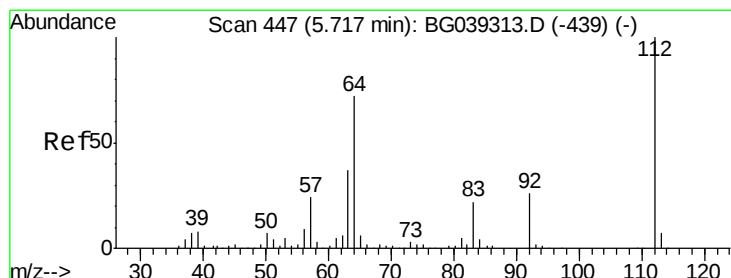
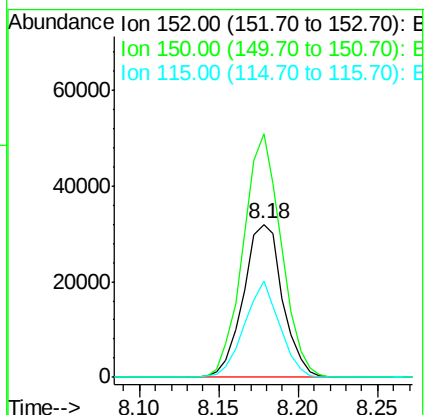
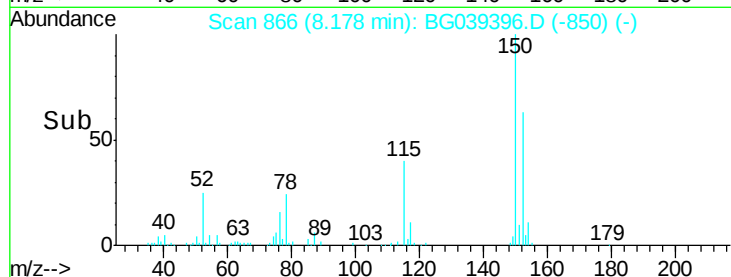
115 63.0 45.9 68.9



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: 139.75 ng

RT: 5.72 min Scan# 447

Delta R.T. -0.00 min

Lab File: BG039396.D

Acq: 8 Feb 2019 00:13

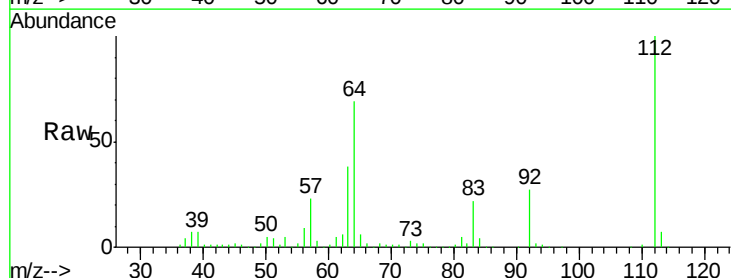
Tgt Ion:112 Resp: 446828

Ion Ratio Lower Upper

112 100

64 69.4 57.8 86.8

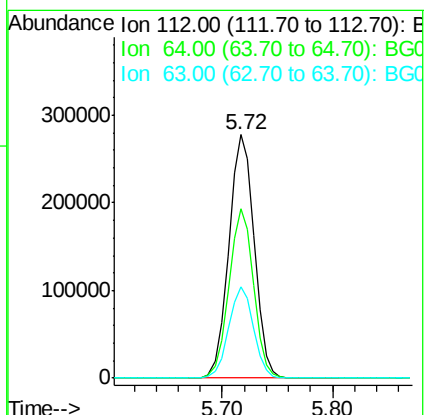
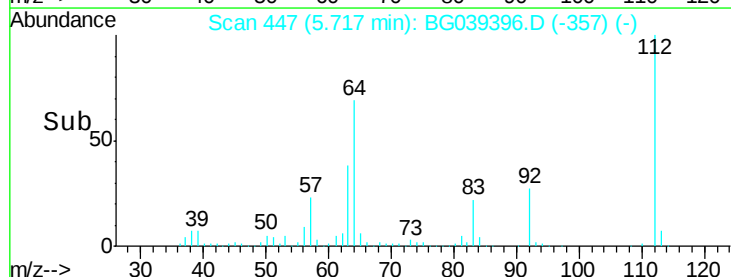
63 37.6 29.8 44.6

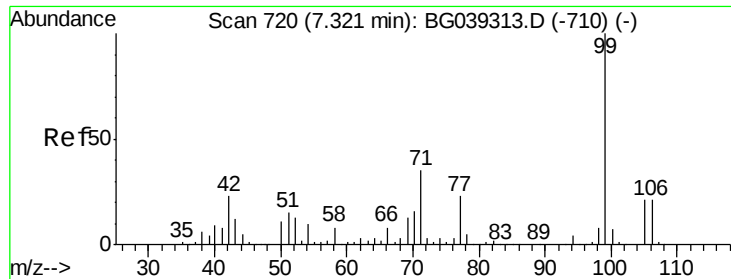


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 123.79 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039396.D

Acq: 8 Feb 2019 00:13

Instrument :

BNA_G

ClientSampleId :

98-WC-S-01-2-57

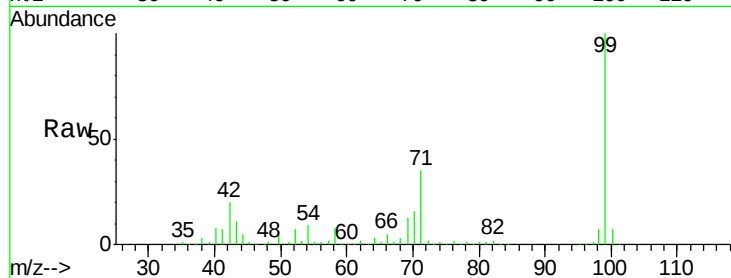
Tot Ion: 99 Resp: 582634

Ion Ratio Lower Upper

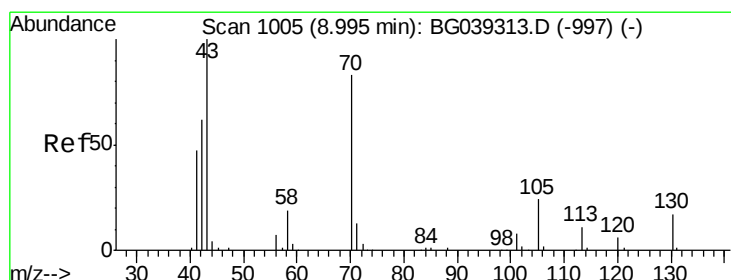
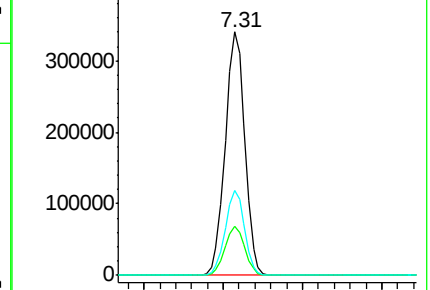
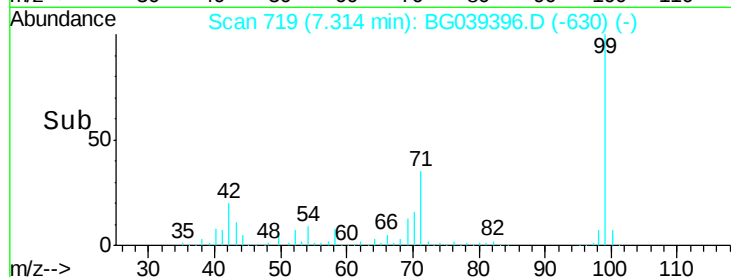
99 100

42 20.1 18.2 27.2

71 34.9 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: 16.48 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.36 min

Lab File: BG039396.D

Acq: 8 Feb 2019 00:13

Tgt Ion: 70 Resp: 55047

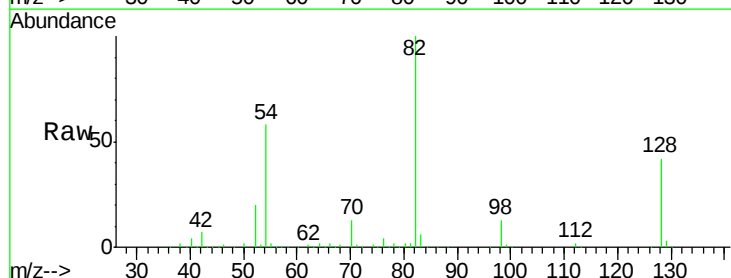
Ion Ratio Lower Upper

70 100

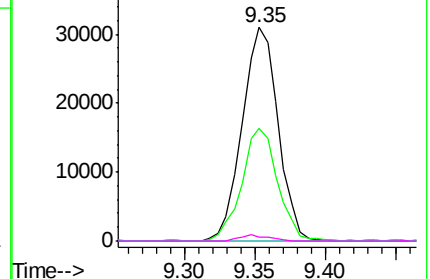
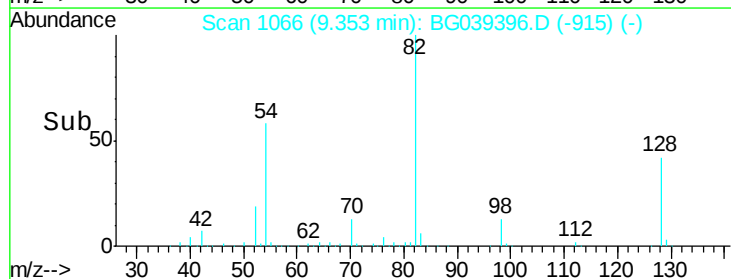
42 53.0 60.4 90.6#

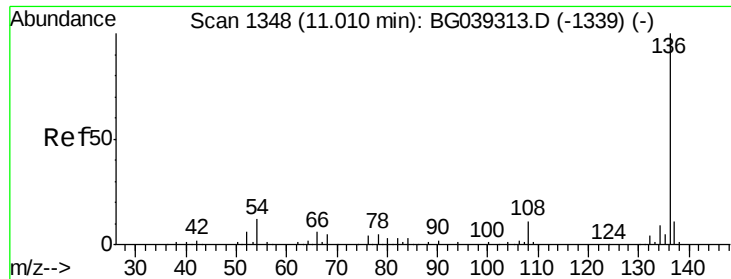
101 0.0 7.5 11.3#

130 2.0 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

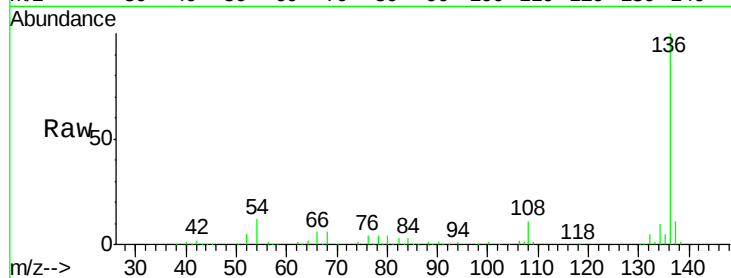




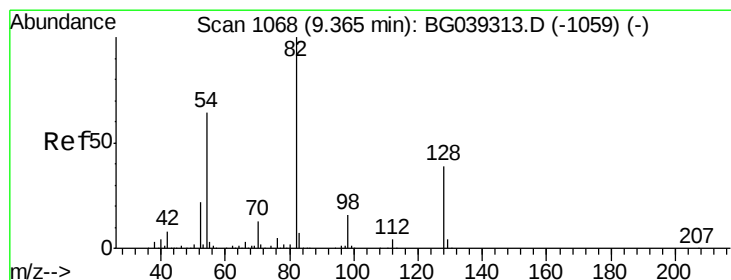
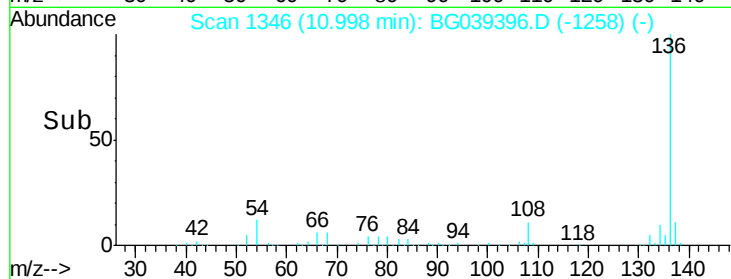
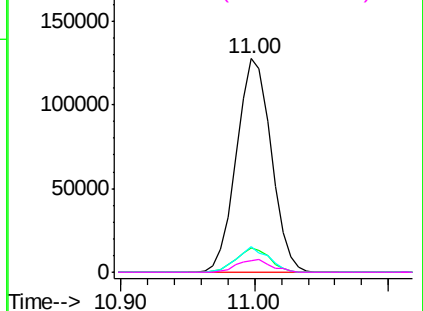
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039396.D
Acq: 8 Feb 2019 00:13

Instrument :
BNA_G
ClientSampleId :
98-WC-S-01-2-57

Tot Ion:136	Resp:	229945
Ion Ratio	Lower	Upper
136	100	
137	11.5	9.1 13.7
54	11.8	9.4 14.2
68	5.5	4.2 6.4

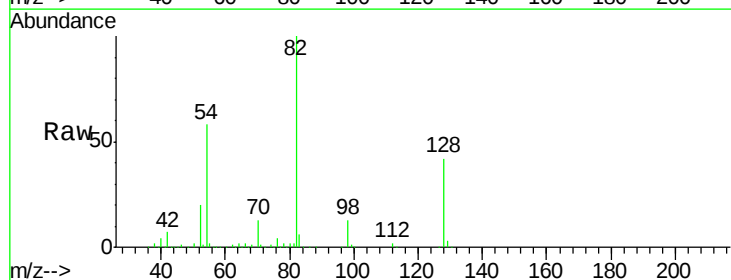


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

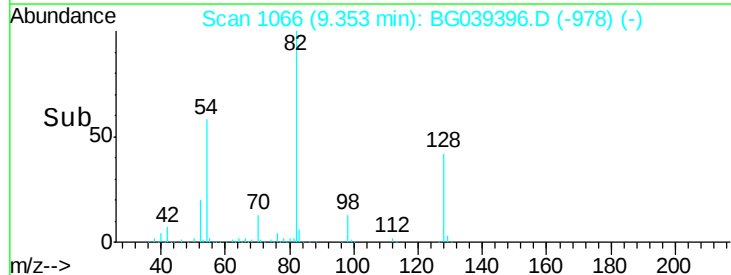
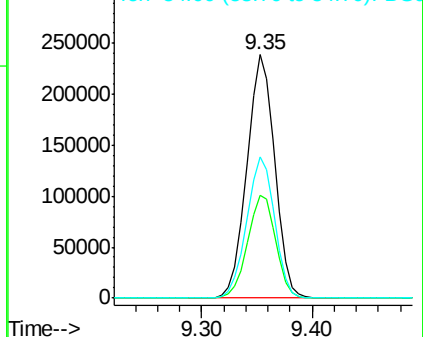


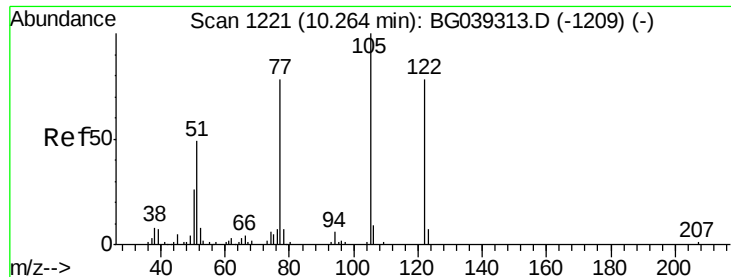
#23
Nitrobenzene-d5
Concen: 114.91 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039396.D
Acq: 8 Feb 2019 00:13

Tgt Ion: 82	Resp:	422966
Ion Ratio	Lower	Upper
82	100	
128	42.1	31.3 46.9
54	58.2	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

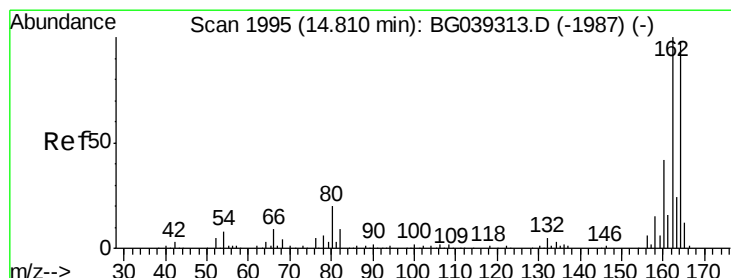
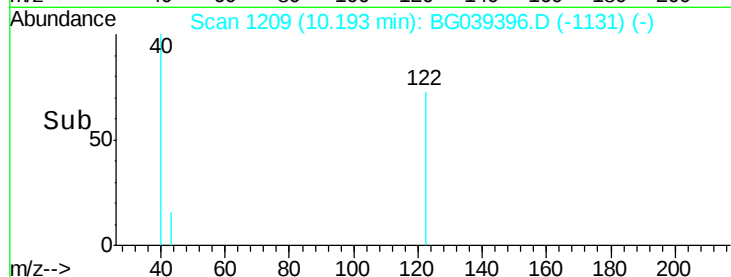
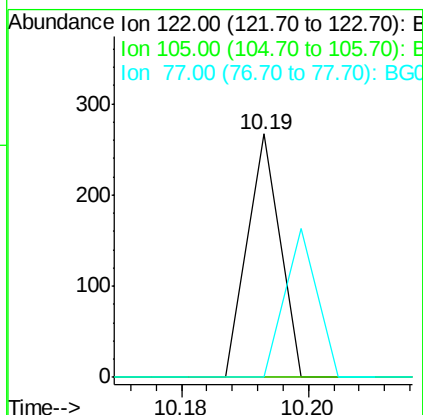
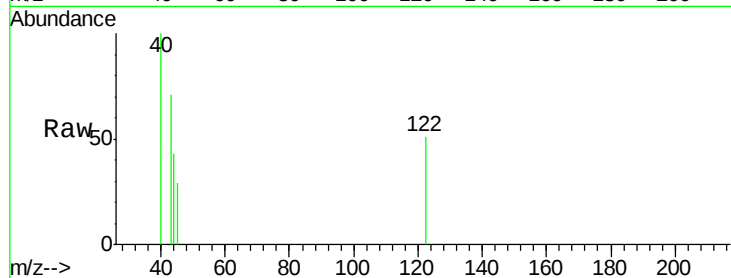




#32
Benzoic acid
Concen: 9.06 ng
RT: 10.19 min Scan# 1209
Delta R.T. -0.07 min
Lab File: BG039396.D
Acq: 8 Feb 2019 00:13

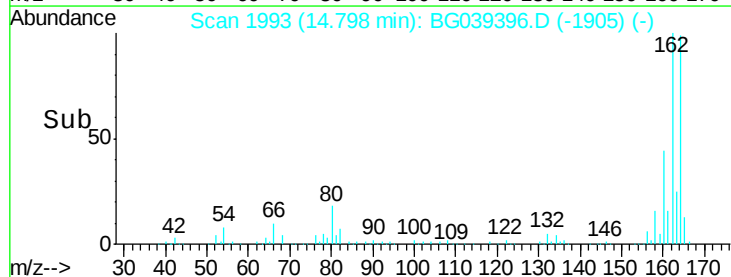
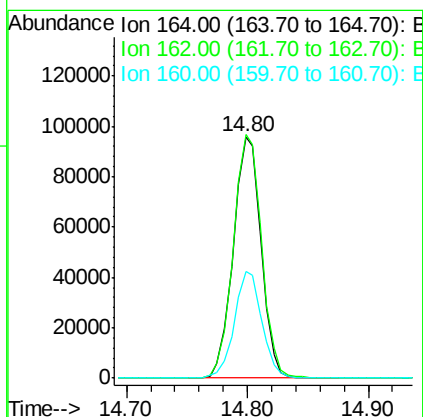
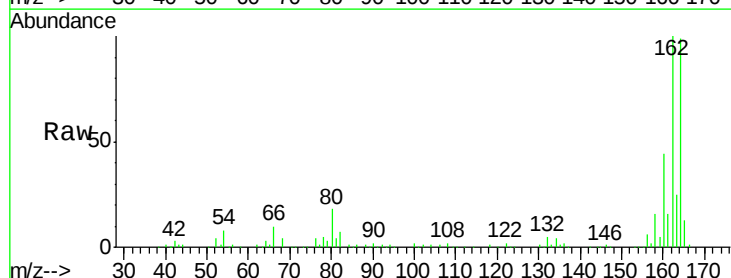
Instrument :
BNA_G
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98-WC-S-01-2-57

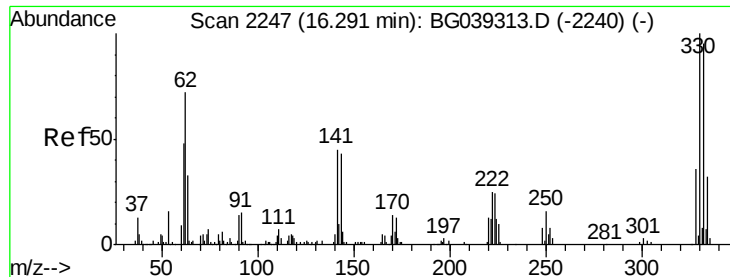
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	76.3	116.3#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BG039396.D
Acq: 8 Feb 2019 00:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.6	122.4
160	44.1	34.2	51.2

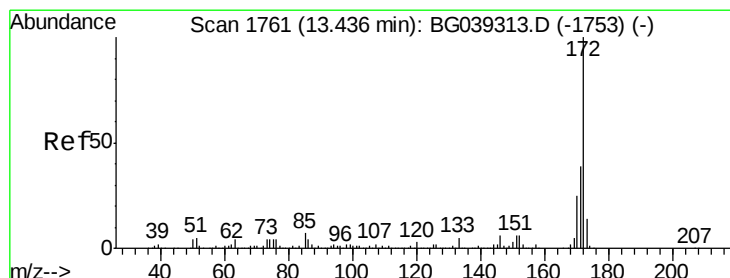
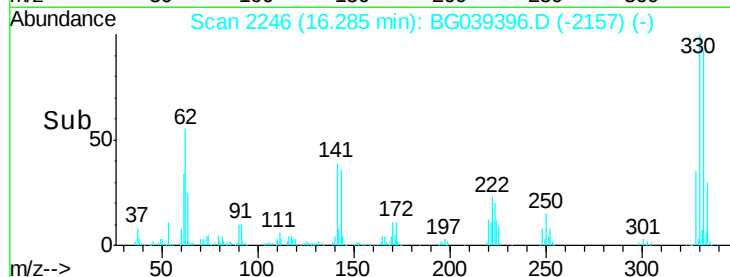
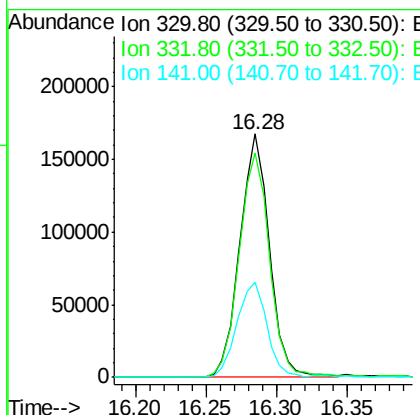
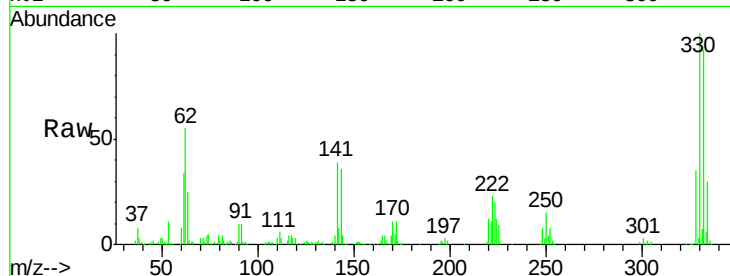




#42
 2,4,6-Tribromophenol
 Concen: 148.73 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.01 min
 Lab File: BG039396.D
 Acq: 8 Feb 2019 00:13

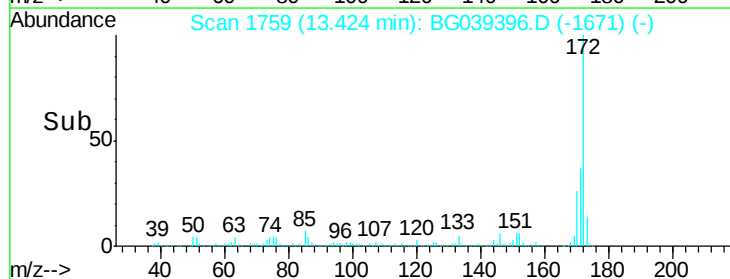
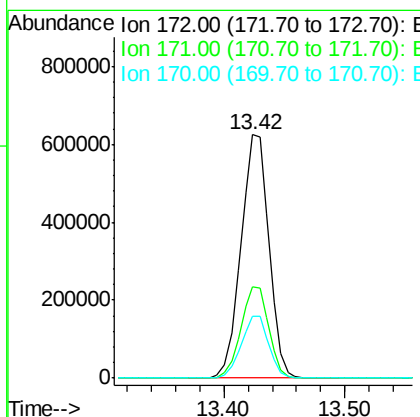
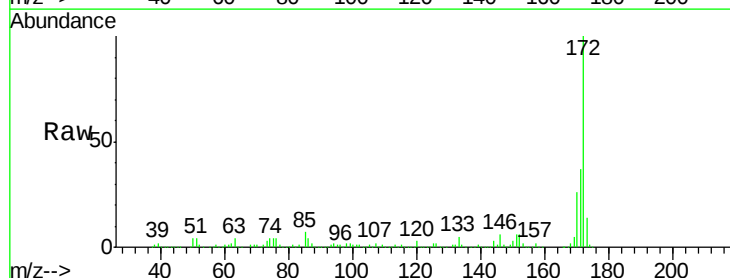
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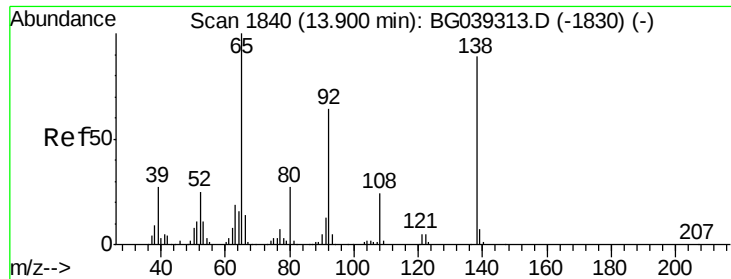
Tot Ion:330 Resp: 245660
 Ion Ratio Lower Upper
 330 100
 332 95.5 75.7 113.5
 141 40.2 35.6 53.4



#45
 2-Fluorobiphenyl
 Concen: 94.23 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: BG039396.D
 Acq: 8 Feb 2019 00:13

Tgt Ion:172 Resp: 1007550
 Ion Ratio Lower Upper
 172 100
 171 37.4 30.8 46.2
 170 25.6 20.2 30.4





#48

2-Nitroaniline

Concen: 8.81 ng

RT: 13.42 min Scan# 1759

Delta R.T. -0.48 min

Lab File: BG039396.D

Acq: 8 Feb 2019 00:13

Instrument :

BNA_G

ClientSampleId :

98-WC-S-01-2-57

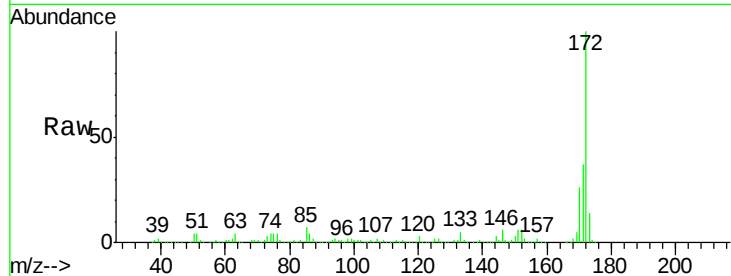
Tot Ion: 65 Resp: 1713

Ion Ratio Lower Upper

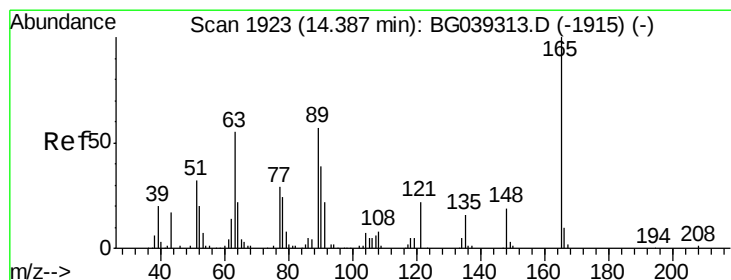
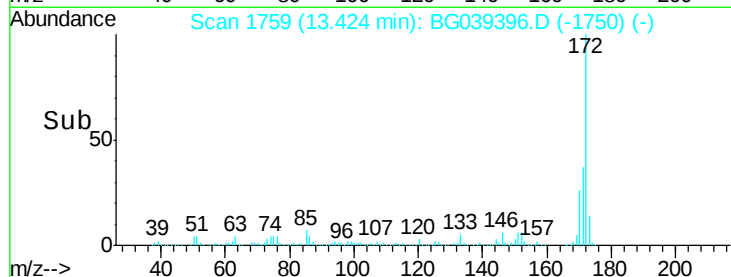
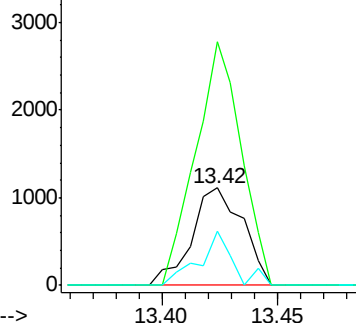
65 100

92 249.9 51.4 77.2#

138 55.8 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: 13.57 ng

RT: 14.80 min Scan# 1993

Delta R.T. 0.41 min

Lab File: BG039396.D

Acq: 8 Feb 2019 00:13

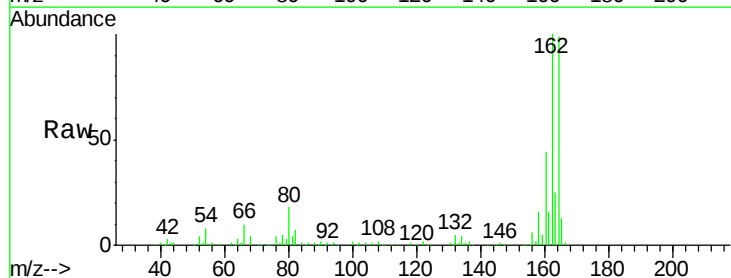
Tgt Ion: 165 Resp: 18815

Ion Ratio Lower Upper

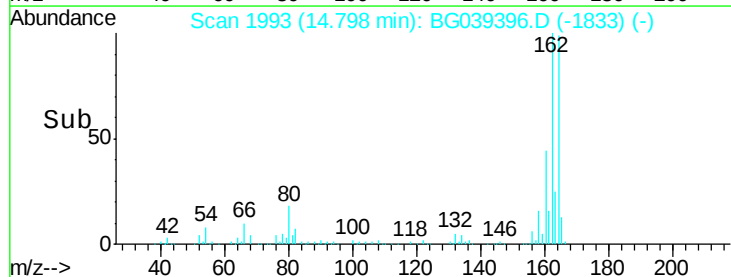
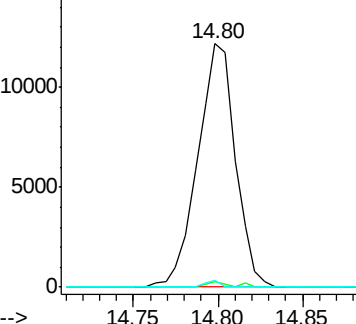
165 100

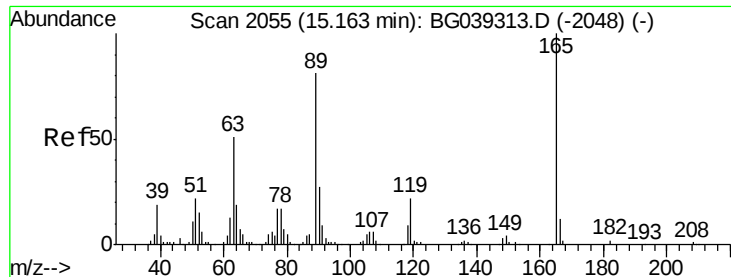
63 2.3 47.0 70.6#

89 2.7 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





#57

2,4-Dinitrotoluene

Concen: 13.13 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.36 min

Lab File: BG039396.D

Acq: 8 Feb 2019 00:13

Instrument :

BNA_G

ClientSampleId :

98-WC-S-01-2-57

Tot Ion:165 Resp: 18815

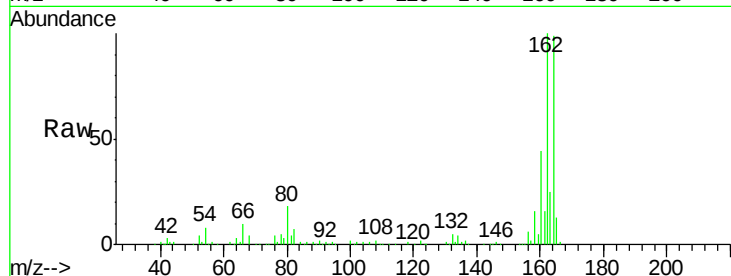
Ion Ratio Lower Upper

165 100

63 2.3 41.0 61.6#

89 2.7 64.6 96.8#

182 0.0 2.0 3.0#

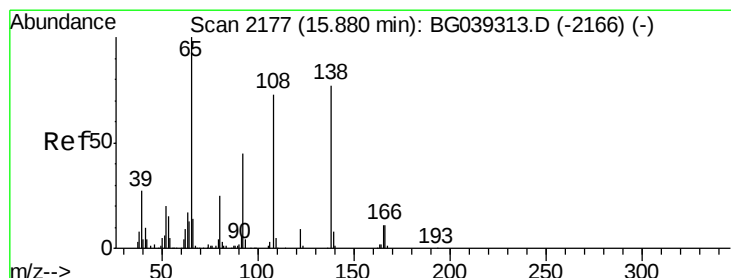
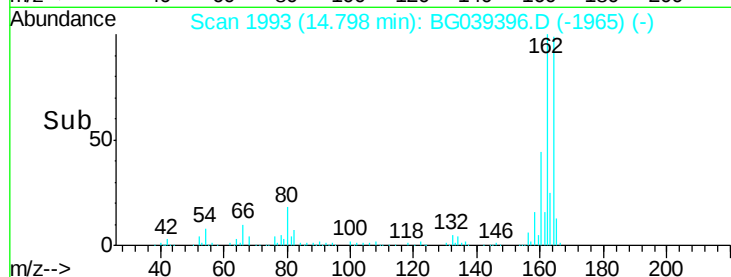
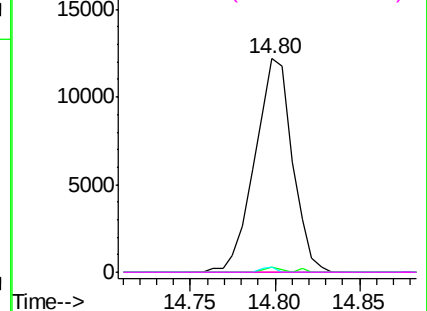


Abundance Ion 165.00 (164.70 to 165.70): E

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: 4.23 ng

RT: 16.29 min Scan# 2247

Delta R.T. 0.41 min

Lab File: BG039396.D

Acq: 8 Feb 2019 00:13

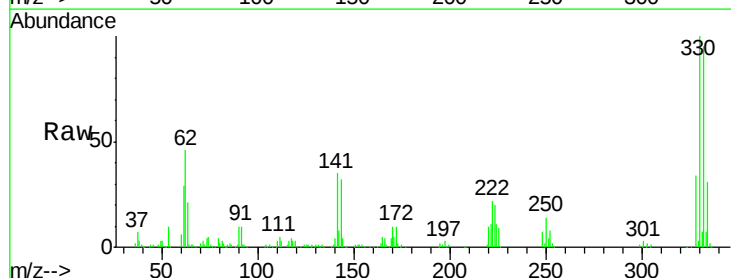
Tgt Ion:138 Resp: 64

Ion Ratio Lower Upper

138 100

92 729.7 38.7 78.7#

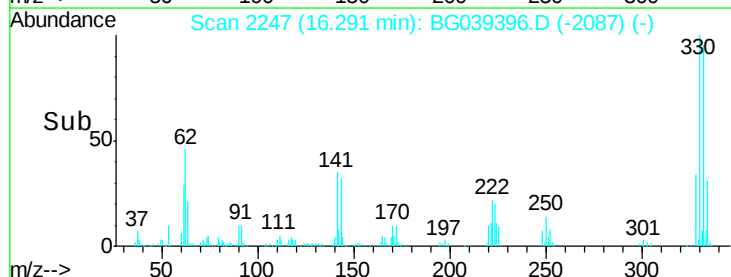
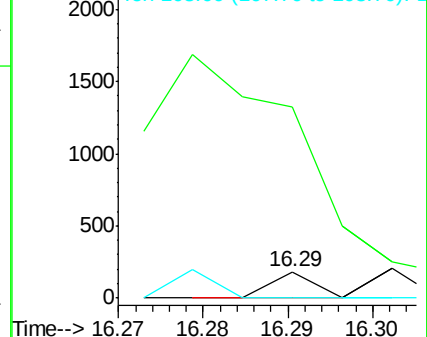
108 0.0 74.6 114.6#

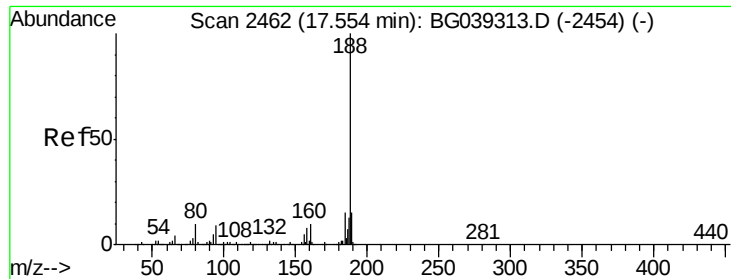


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039396.D

Acq: 8 Feb 2019 00:13

Instrument :

BNA_G

ClientSampleId :

98-WC-S-01-2-57

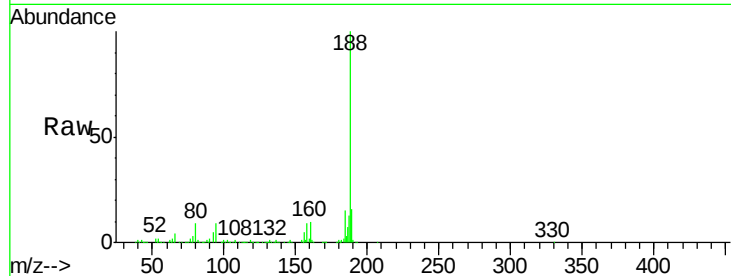
Tot Ion:188 Resp: 368862

Ion Ratio Lower Upper

188 100

94 8.8 6.9 10.3

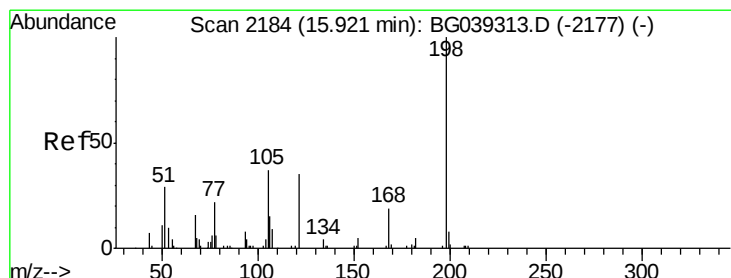
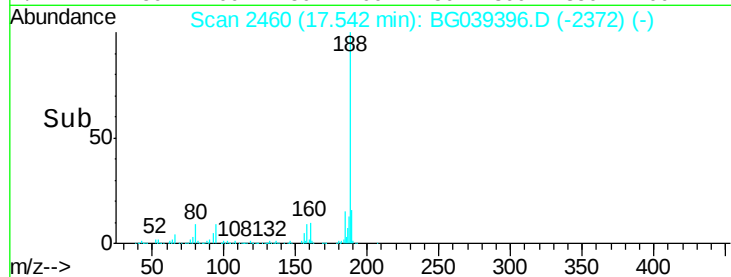
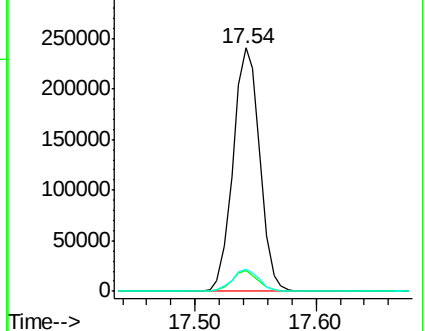
80 9.1 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#65

4,6-Dinitro-2-methylphenol

Concen: 4.91 ng

RT: 16.28 min Scan# 2246

Delta R.T. 0.36 min

Lab File: BG039396.D

Acq: 8 Feb 2019 00:13

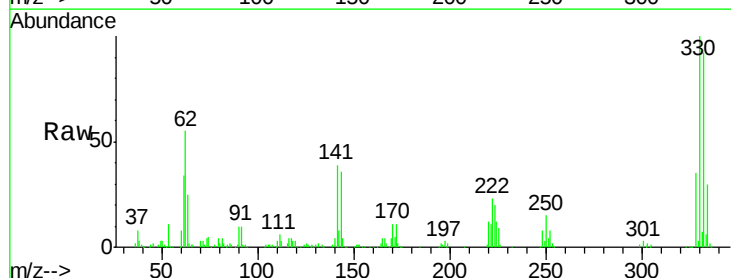
Tgt Ion:198 Resp: 849

Ion Ratio Lower Upper

198 100

51 122.9 27.4 67.4#

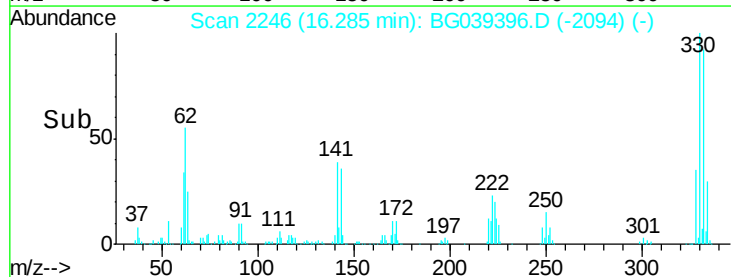
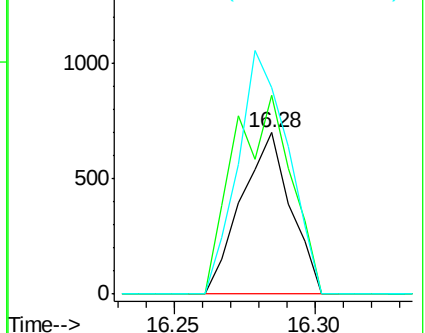
105 127.6 19.7 59.7#

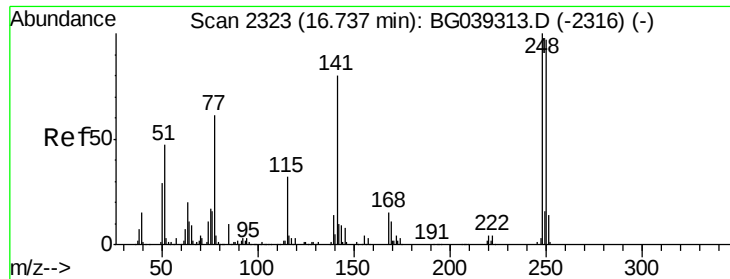


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

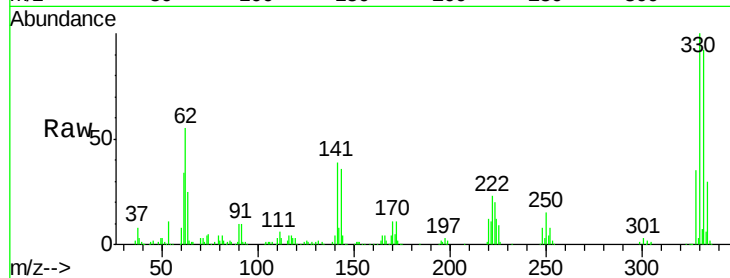




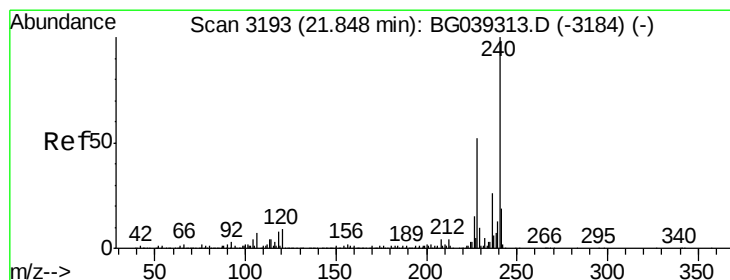
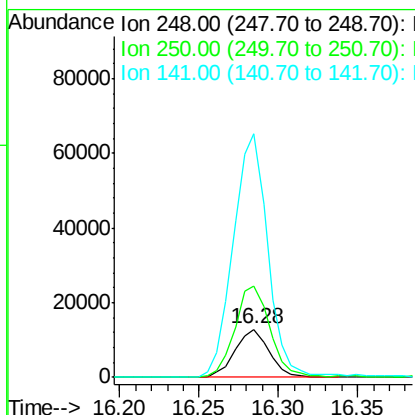
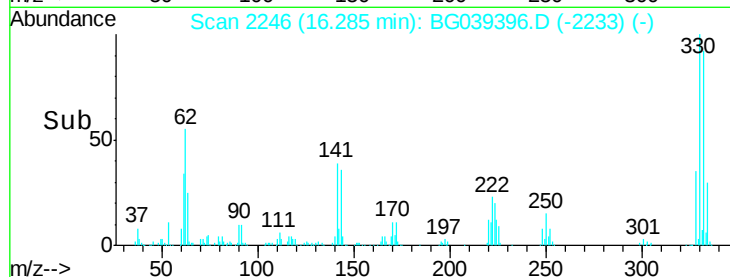
#67
4-Bromophenyl-phenylether
Concen: 4.68 ng
RT: 16.28 min Scan# 2246
Delta R.T. -0.45 min
Lab File: BG039396.D
Acq: 8 Feb 2019 00:13

Instrument :
BNA_G
ClientSampleId :
98-WC-S-01-2-57

Tot Ion:248 Resp: 19167
Ion Ratio Lower Upper
248 100
250 189.6 77.6 116.4#
141 508.9 63.9 95.9#

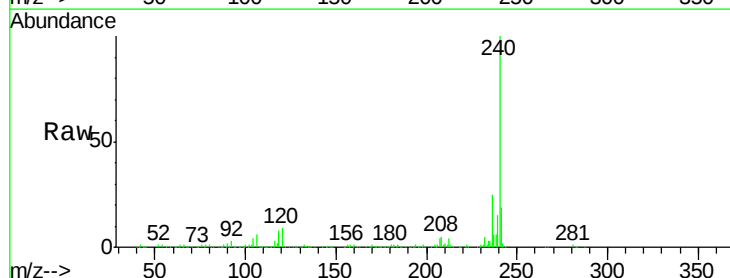


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

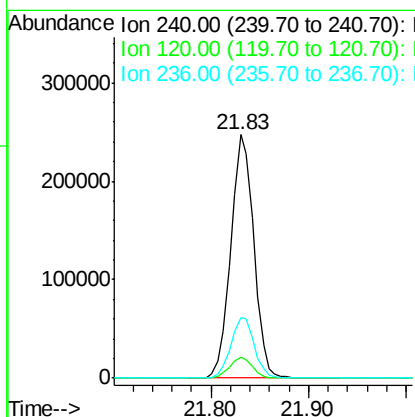
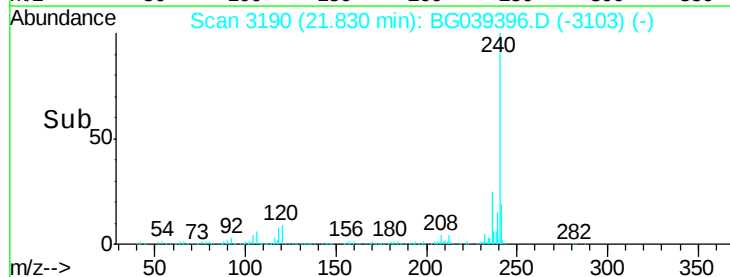


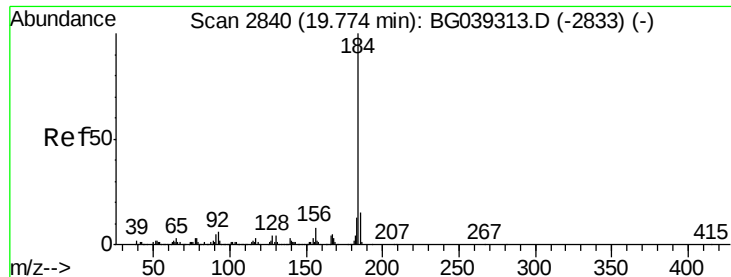
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039396.D
Acq: 8 Feb 2019 00:13

Tgt Ion:240 Resp: 404963
Ion Ratio Lower Upper
240 100
120 8.8 7.0 10.6
236 25.1 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: 2.20 ng

RT: 20.14 min Scan# 2902

Delta R.T. 0.36 min

Lab File: BG039396.D

Acq: 8 Feb 2019 00:13

Instrument :

BNA_G

ClientSampleId :

98-WC-S-01-2-57

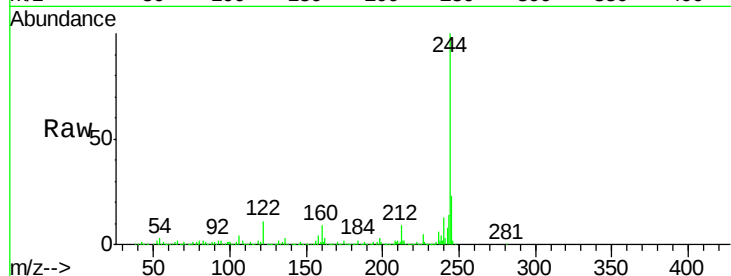
Tot Ion:184 Resp: 29257

Ion Ratio Lower Upper

184 100

185 12.0 12.2 18.2#

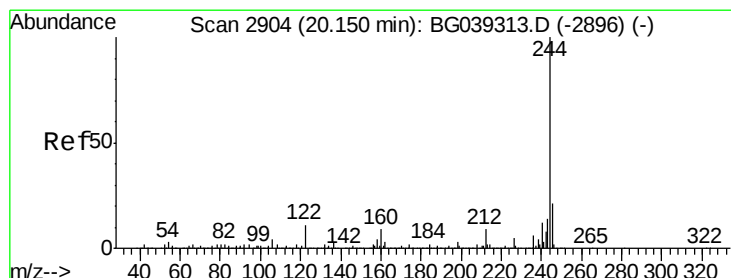
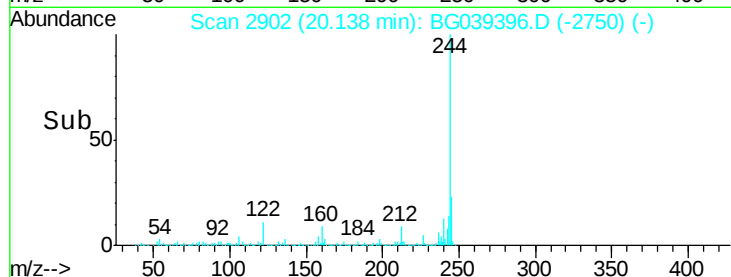
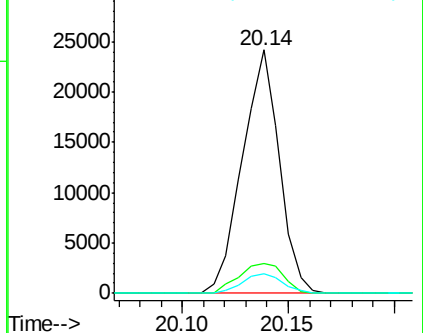
183 8.1 10.6 15.8#



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: 85.49 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039396.D

Acq: 8 Feb 2019 00:13

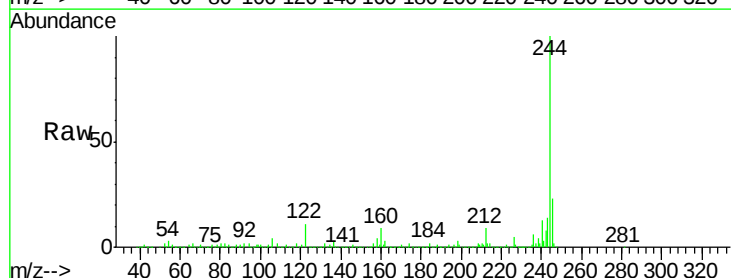
Tgt Ion:244 Resp: 1635591

Ion Ratio Lower Upper

244 100

212 9.4 7.3 10.9

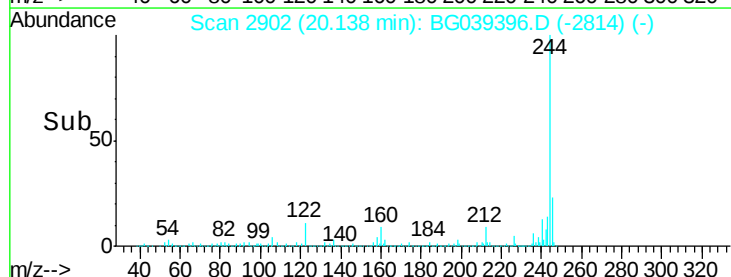
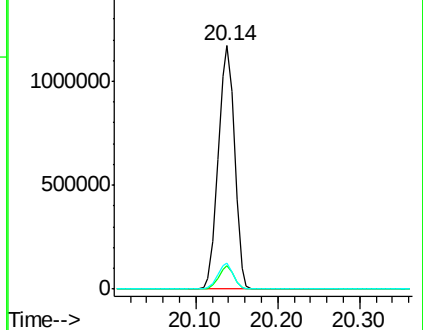
122 10.8 8.4 12.6

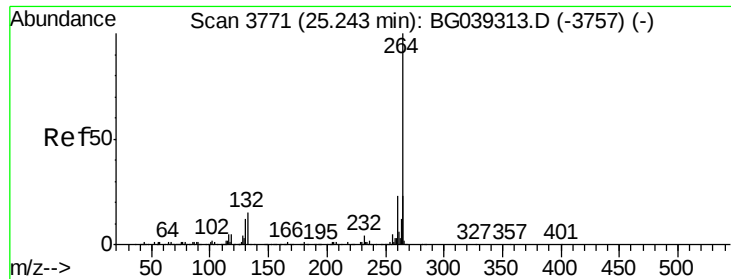


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.00 ng
RT: 25.21 min Scan# 3766
Delta R.T. -0.03 min
Lab File: BG039396.D
Acq: 8 Feb 2019 00:13

Instrument :
BNA_G
ClientSampleId :
98-WC-S-01-2-57

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.2	27.4
265	22.1	18.5	27.7

