

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG053119\
 Data File : BG040995.D
 Acq On : 1 Jun 2019 3:29
 Operator : HP/JU
 Sample : PB1120101BL
 Misc : LOQ-MDL-WATER-20PPM
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB120101BL

Quant Time: Jun 01 05:19:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

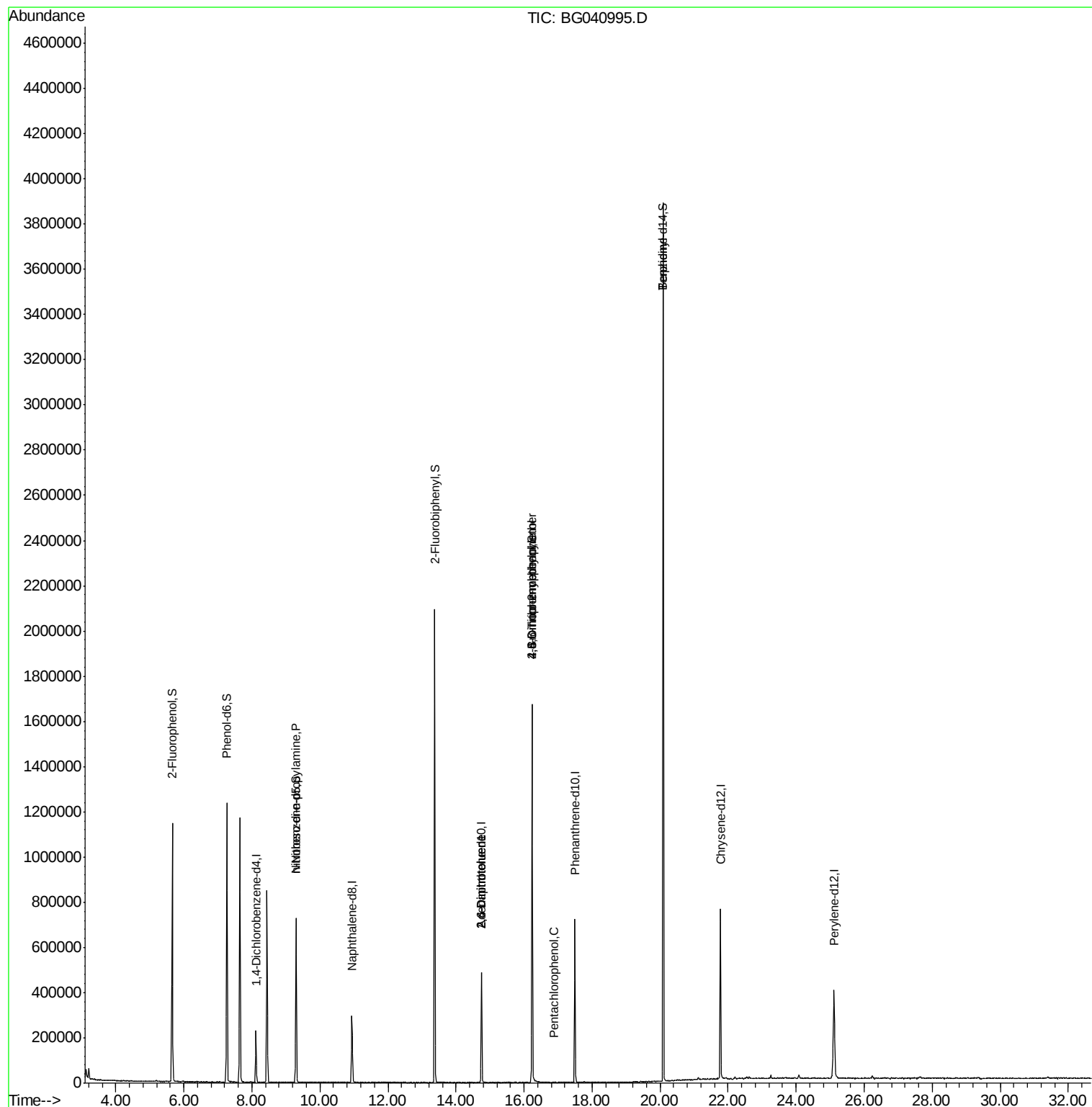
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	60034	20.00	ng	-0.01
21) Naphthalene-d8	10.94	136	235710	20.00	ng	-0.01
39) Acenaphthene-d10	14.75	164	173218	20.00	ng	-0.01
64) Phenanthrene-d10	17.50	188	451873	20.00	ng	0.00
76) Chrysene-d12	21.77	240	454969	20.00	ng	-0.01
87) Perylene-d12	25.11	264	465084	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	442736	132.98	ng	0.00
7) Phenol-d6	7.26	99	636673	123.82	ng	0.00
23) Nitrobenzene-d5	9.30	82	440745	83.01	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	316975	123.26	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	1035185	86.06	ng	-0.01
79) Terphenyl-d14	20.09	244	1790628	83.53	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	62242	15.730	ng	# 74
51) 2,6-Dinitrotoluene	14.75	165	22865	7.232	ng	# 20
57) 2,4-Dinitrotoluene	14.75	165	22865	5.120	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.23	198	1204	8.998	ng	# 76
67) 4-Bromophenyl-phenylether	16.24	248	22712	3.724	ng	# 1
70) Pentachlorophenol	16.89	266	59	4.272	ng	# 18
77) Benzidine	20.09	184	31231	2.878	ng	# 97

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG053119\
Data File : BG040995.D
Acq On : 1 Jun 2019 3:29
Operator : HP/JU
Sample : PB120101BL
Misc : LOQ-MDL-WATER-20PPM
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB120101BL

Quant Time: Jun 01 05:19:26 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 18:39:57 2019
Response via : Initial Calibration



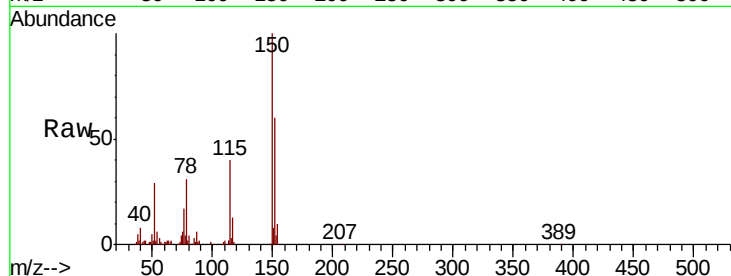


#1

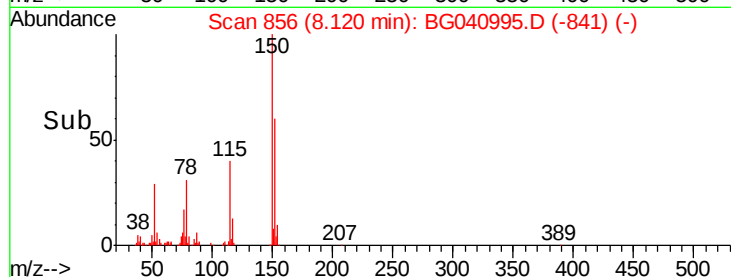
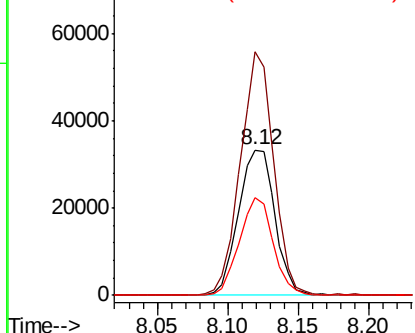
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG040995.D
Acq: 1 Jun 2019 3:29

Instrument :
BNA_G
ClientSampleId :
PB120101BL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	167.7	120.6	180.8
115	67.2	45.1	67.7



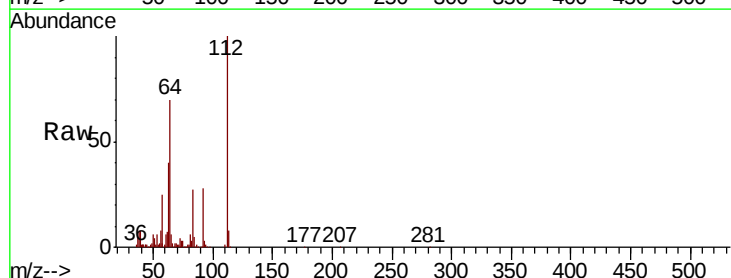
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



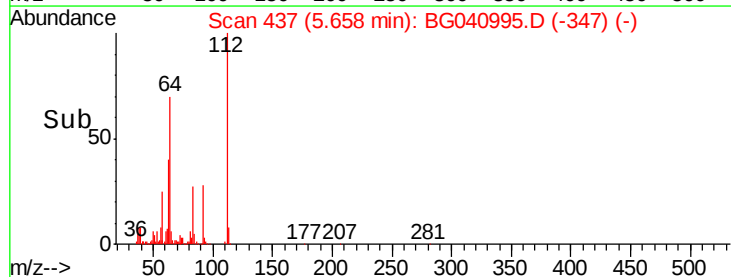
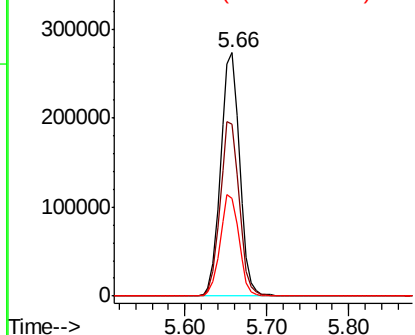
#5

2-Fluorophenol
Concen: 132.982 ng
RT: 5.66 min Scan# 437
Delta R.T. 0.00 min
Lab File: BG040995.D
Acq: 1 Jun 2019 3:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.4	56.2	84.2
63	40.2	32.8	49.2



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: 123.825 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG040995.D

Acq: 1 Jun 2019 3:29

Instrument :

BNA_G

ClientSampleId :

PB120101BL

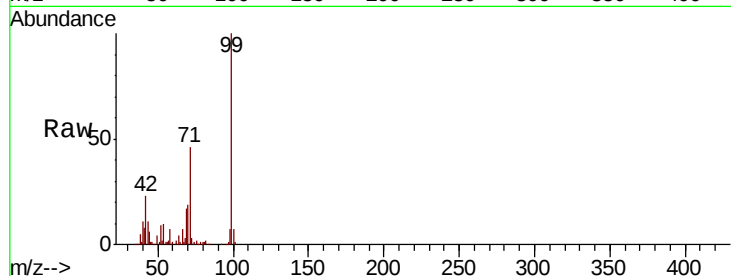
Tgt Ion: 99 Resp: 636673

Ion Ratio Lower Upper

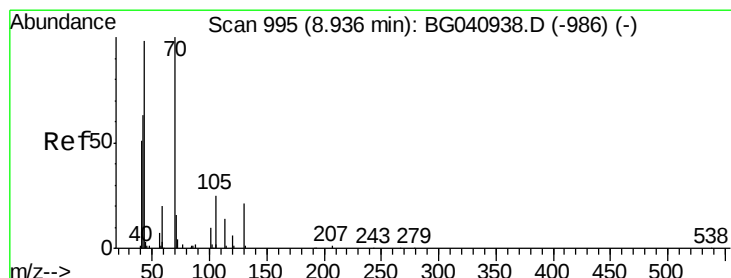
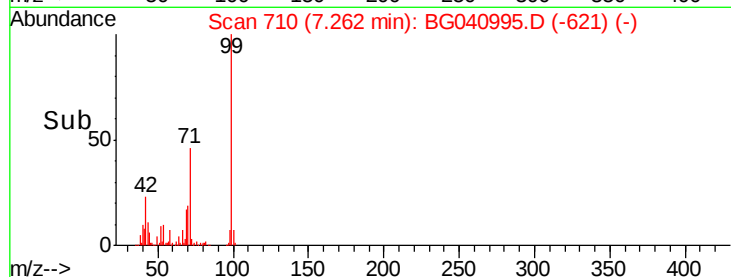
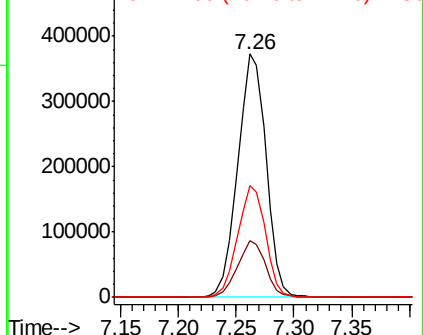
99 100

42 23.1 17.9 26.9

71 46.1 35.4 53.0



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: 15.730 ng

RT: 9.29 min Scan# 1056

Delta R.T. 0.36 min

Lab File: BG040995.D

Acq: 1 Jun 2019 3:29

Tgt Ion: 70 Resp: 62242

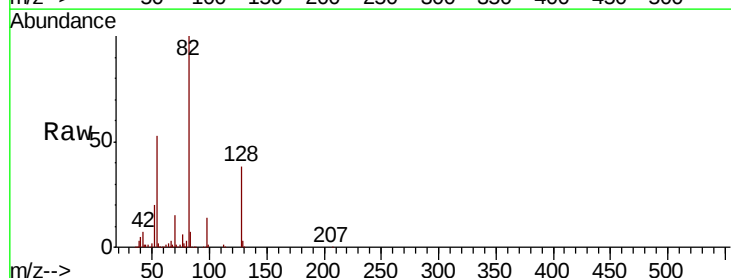
Ion Ratio Lower Upper

70 100

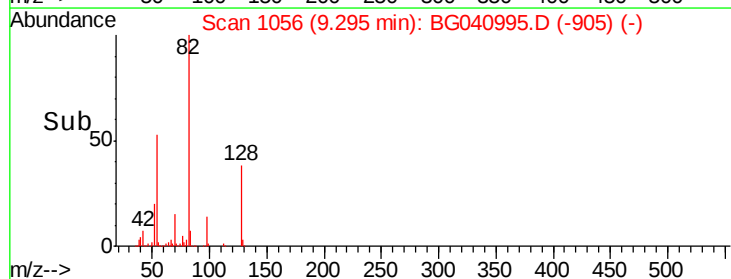
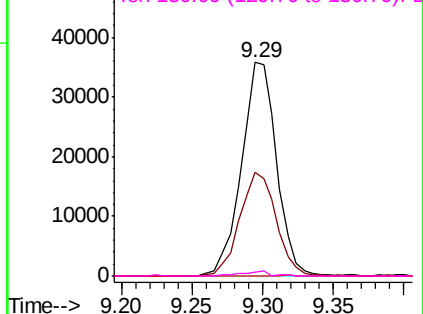
42 48.3 51.5 77.3#

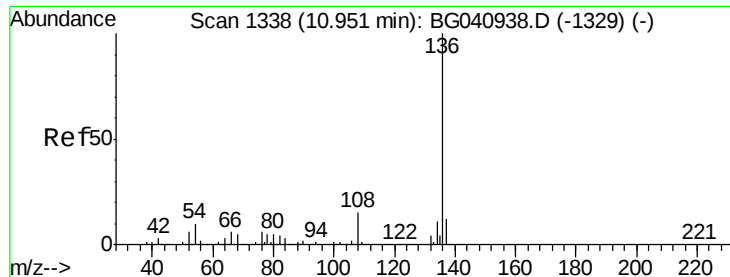
101 0.0 8.1 12.1#

130 1.7 16.6 24.8#



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

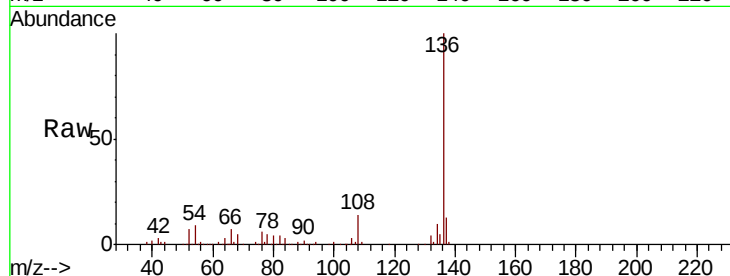




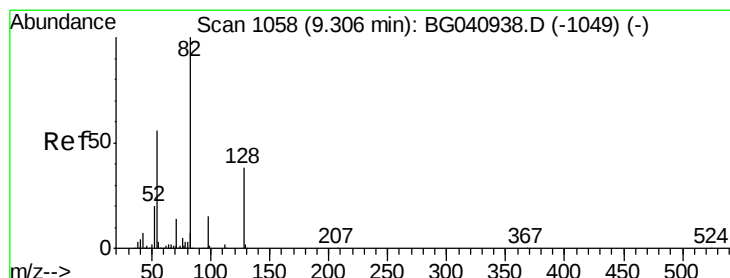
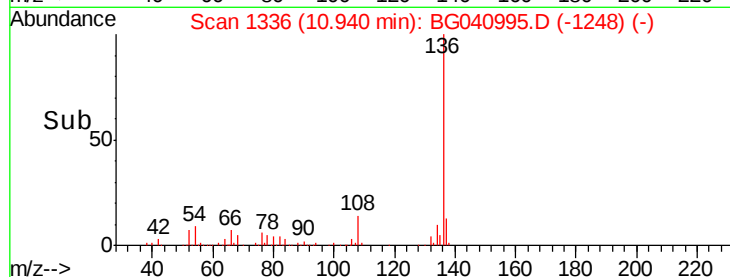
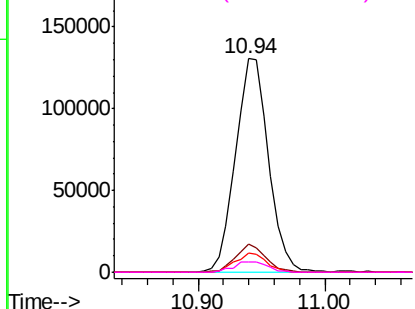
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BG040995.D
Acq: 1 Jun 2019 3:29

Instrument :
BNA_G
ClientSampleId :
PB120101BL

Tgt Ion:	136	Resp:	235710
Ion	Ratio	Lower	Upper
136	100		
137	12.9	9.5	14.3
54	9.2	7.6	11.4
68	4.7	3.9	5.9

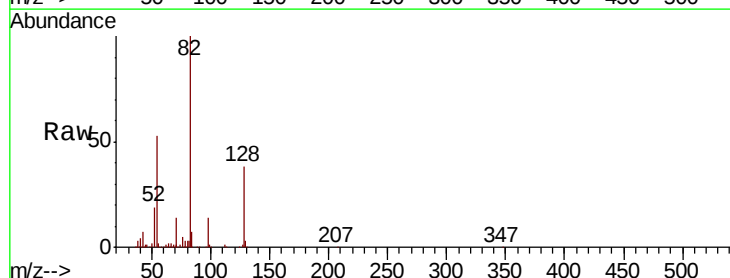


Abundance Ion 136.00 (135.70 to 136.70): E
200000 Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

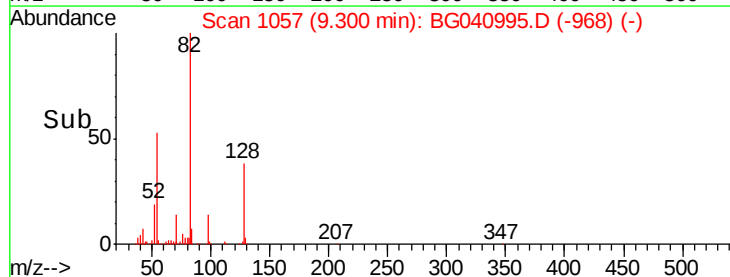
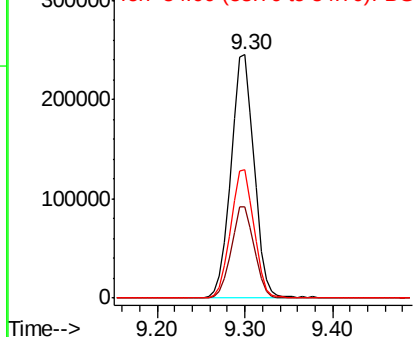


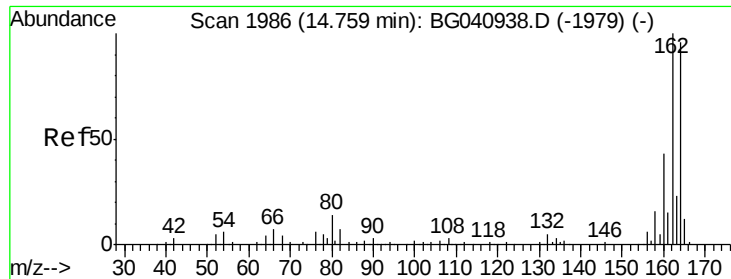
#23
Nitrobenzene-d5
Concen: 83.010 ng
RT: 9.30 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BG040995.D
Acq: 1 Jun 2019 3:29

Tgt Ion:	82	Resp:	440745
Ion	Ratio	Lower	Upper
82	100		
128	37.5	30.5	45.7
54	52.7	44.6	66.8



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: 14.75 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BG040995.D

Acq: 1 Jun 2019 3:29

Instrument :

BNA_G

ClientSampleId :

PB120101BL

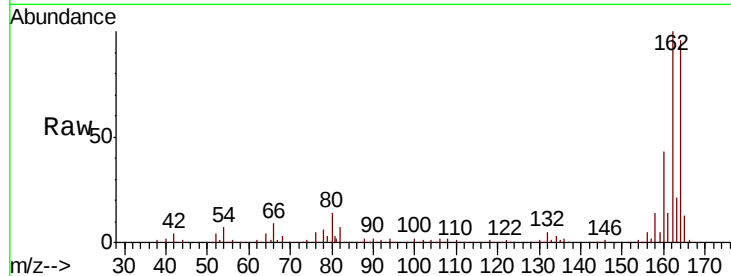
Tgt Ion:164 Resp: 173218

Ion Ratio Lower Upper

164 100

162 104.1 83.0 124.4

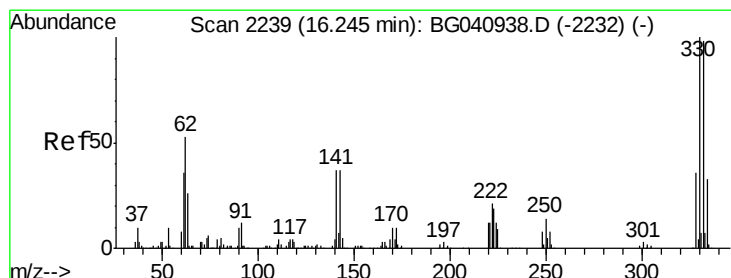
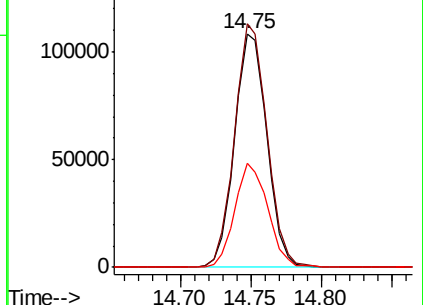
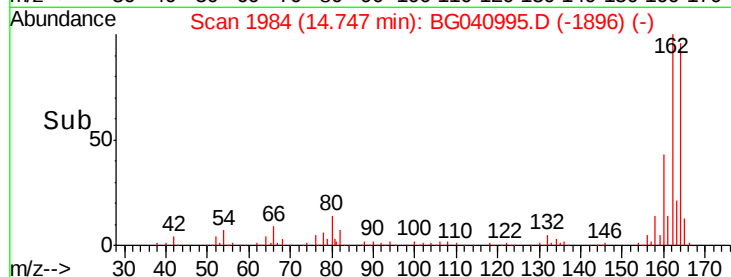
160 44.4 35.6 53.4



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: 123.263 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BG040995.D

Acq: 1 Jun 2019 3:29

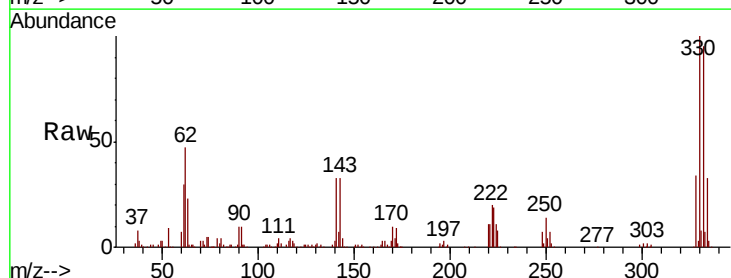
Tgt Ion:330 Resp: 316975

Ion Ratio Lower Upper

330 100

332 96.4 78.5 117.7

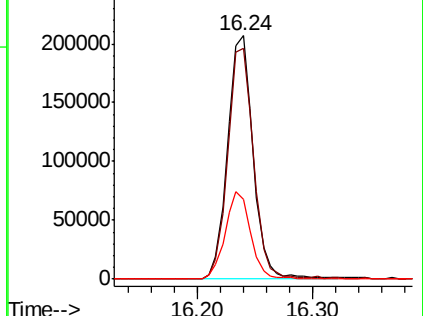
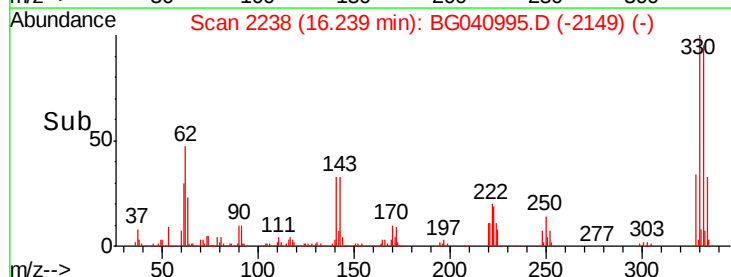
141 36.0 28.7 43.1

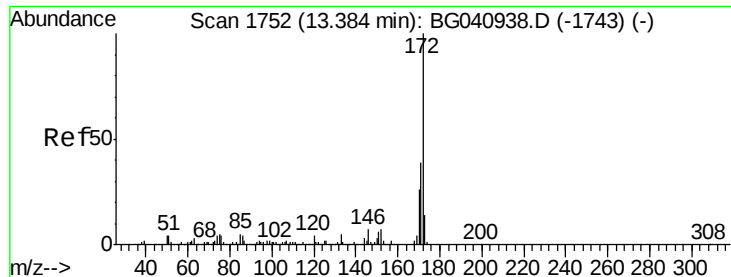


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

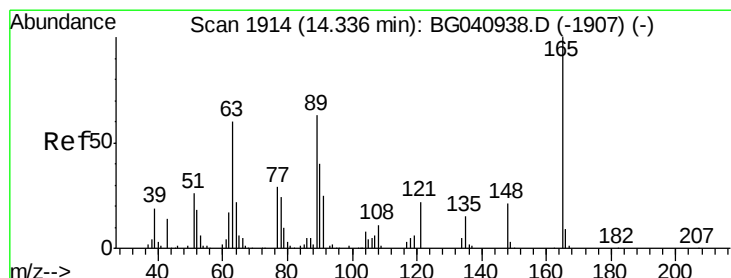
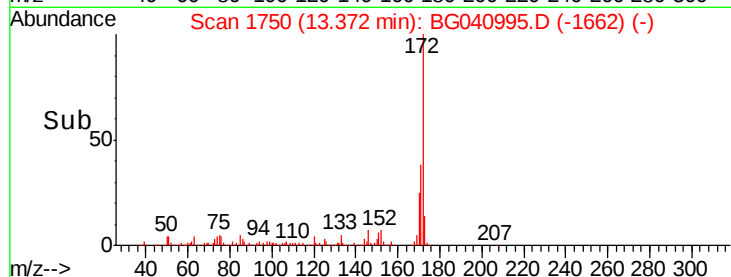
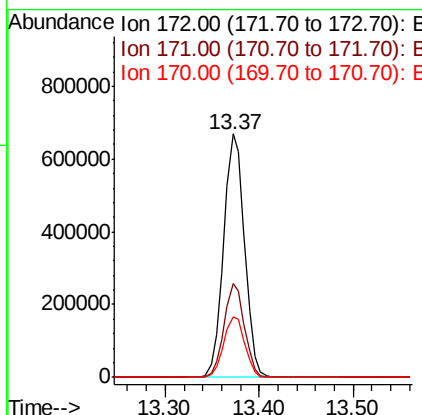
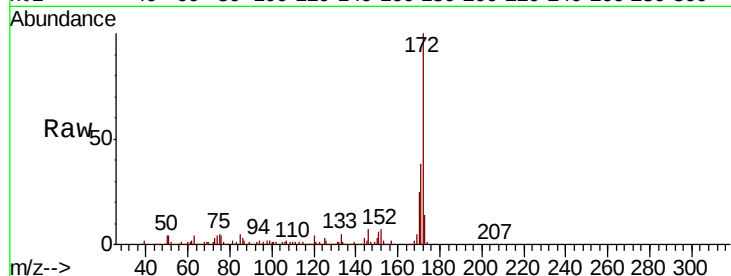




#45
2-Fluorobiphenyl
Concen: 86.064 ng
RT: 13.37 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BG040995.D
Acq: 1 Jun 2019 3:29

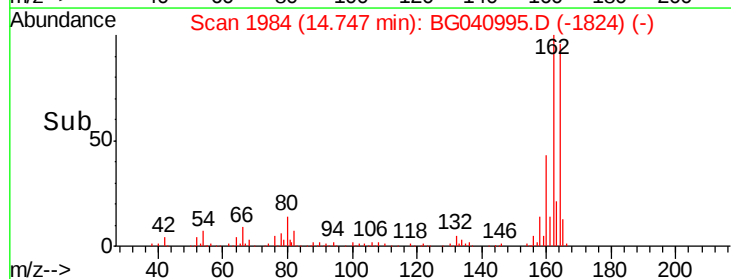
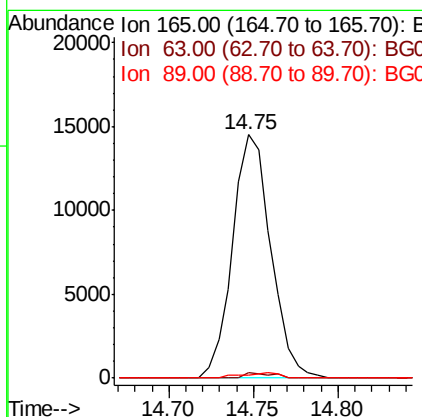
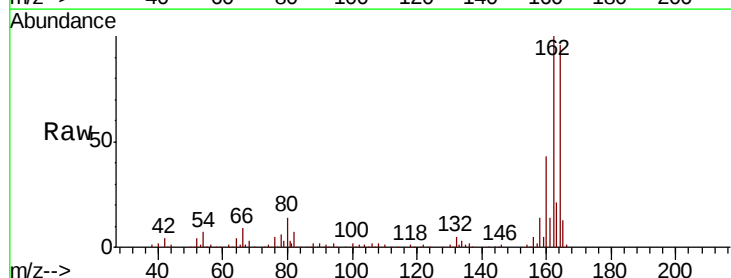
Instrument :
BNA_G
ClientSampleId :
PB120101BL

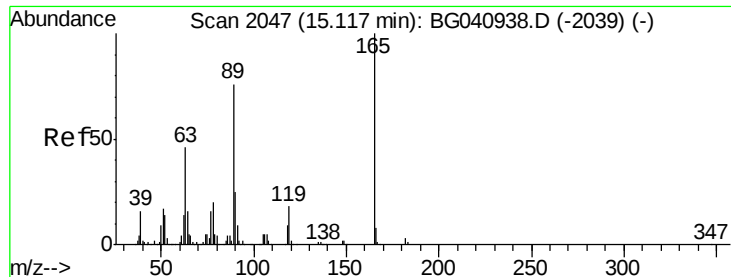
Tgt Ion:172 Resp: 1035185
Ion Ratio Lower Upper
172 100
171 38.3 31.1 46.7
170 24.8 20.5 30.7



#51
2,6-Dinitrotoluene
Concen: 7.232 ng
RT: 14.75 min Scan# 1984
Delta R.T. 0.41 min
Lab File: BG040995.D
Acq: 1 Jun 2019 3:29

Tgt Ion:165 Resp: 22865
Ion Ratio Lower Upper
165 100
63 2.3 53.6 80.4#
89 1.2 50.4 75.6#

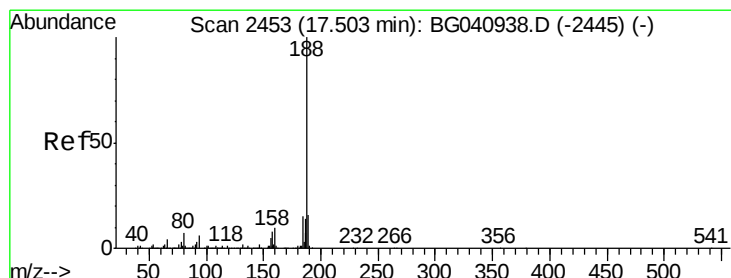
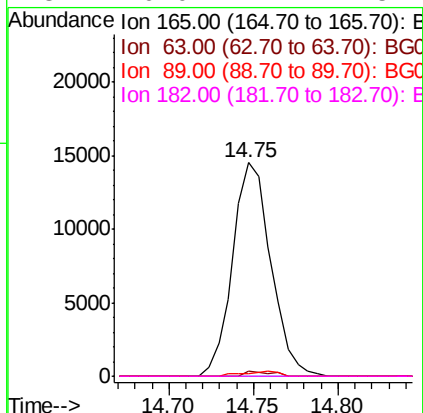
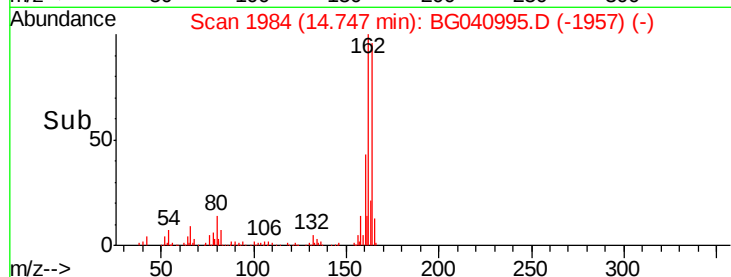
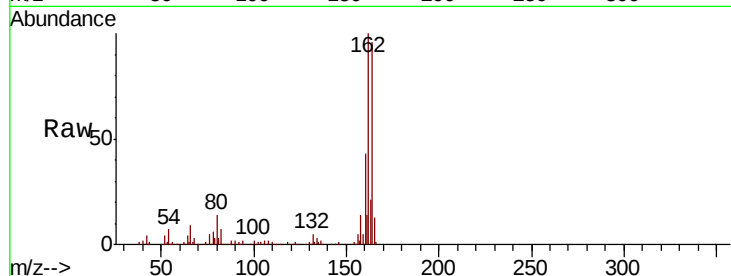




#57
2,4-Dinitrotoluene
Concen: 5.120 ng
RT: 14.75 min Scan# 1984
Delta R.T. -0.37 min
Lab File: BG040995.D
Acq: 1 Jun 2019 3:29

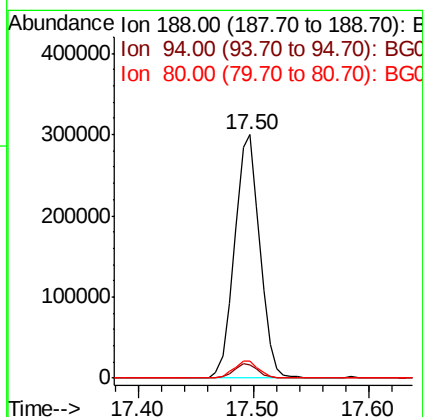
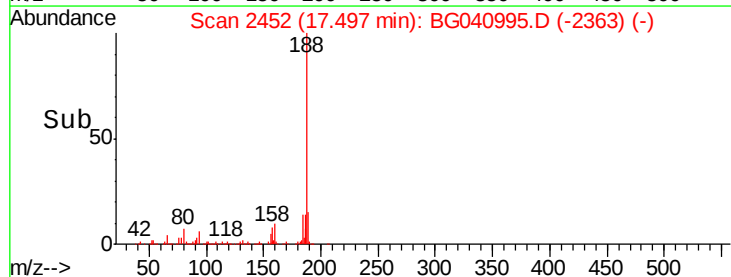
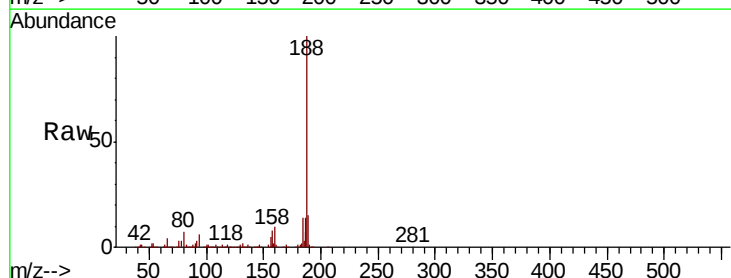
Instrument :
BNA_G
ClientSampleId :
PB120101BL

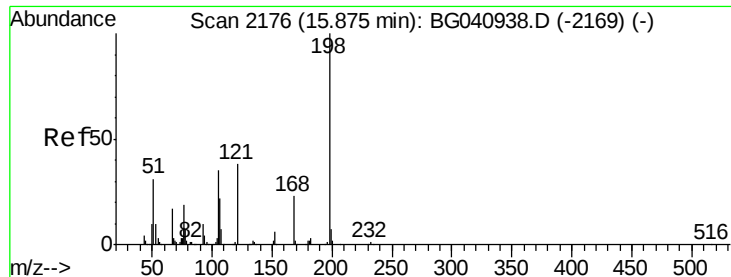
Tgt Ion:165 Resp: 22865
Ion Ratio Lower Upper
165 100
63 2.3 37.3 55.9#
89 1.2 61.0 91.6#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.50 min Scan# 2452
Delta R.T. -0.01 min
Lab File: BG040995.D
Acq: 1 Jun 2019 3:29

Tgt Ion:188 Resp: 451873
Ion Ratio Lower Upper
188 100
94 5.7 4.7 7.1
80 7.0 5.8 8.8





#65

4,6-Dinitro-2-methylphenol

Concen: 8.998 ng

RT: 16.23 min Scan# 2237

Delta R.T. 0.36 min

Lab File: BG040995.D

Acq: 1 Jun 2019 3:29

Instrument :

BNA_G

ClientSampleId :

PB120101BL

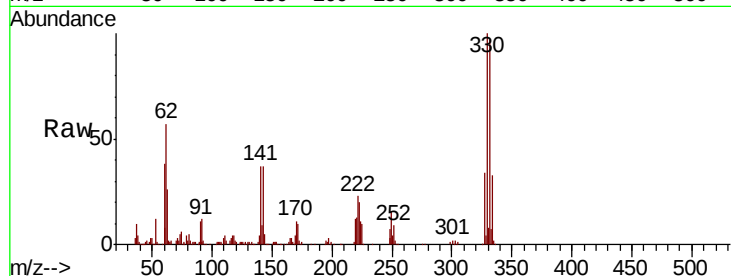
Tgt Ion:198 Resp: 1204

Ion Ratio Lower Upper

198 100

51 20.1 21.6 61.6#

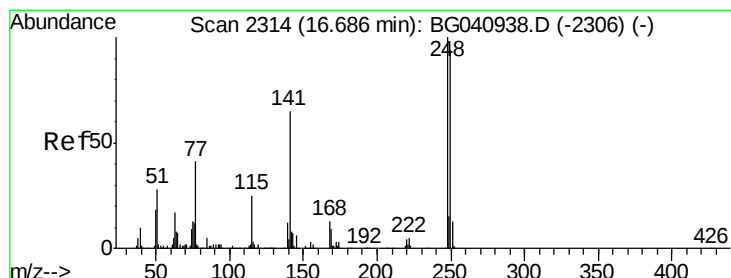
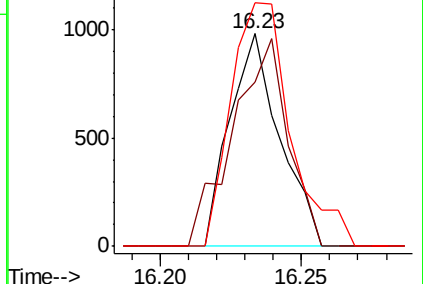
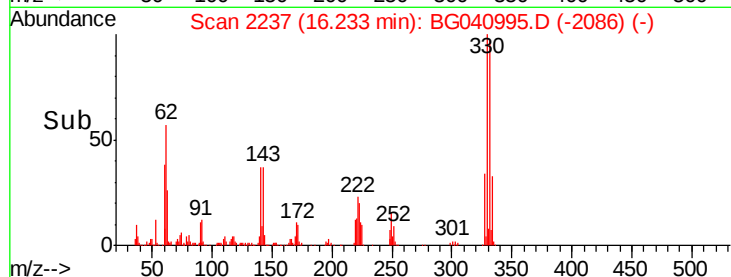
105 29.8 17.5 57.5



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.724 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.45 min

Lab File: BG040995.D

Acq: 1 Jun 2019 3:29

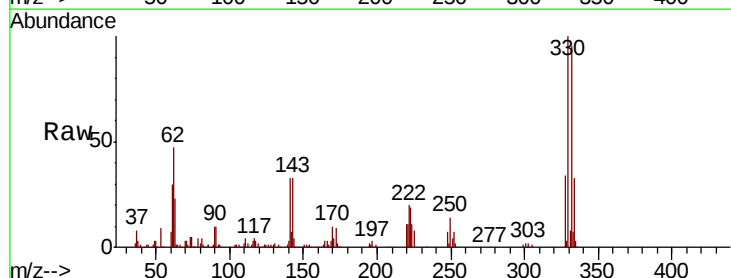
Tgt Ion:248 Resp: 22712

Ion Ratio Lower Upper

248 100

250 196.6 75.0 112.4#

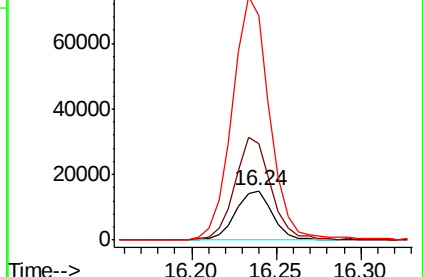
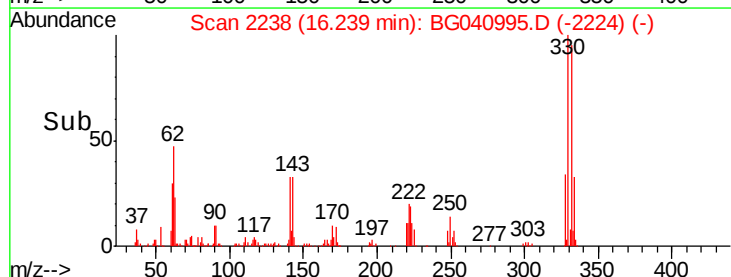
141 457.2 52.4 78.6#

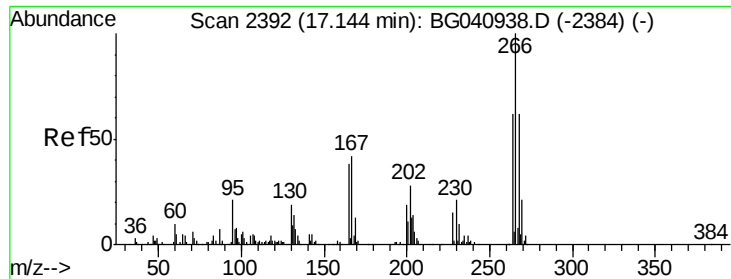


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

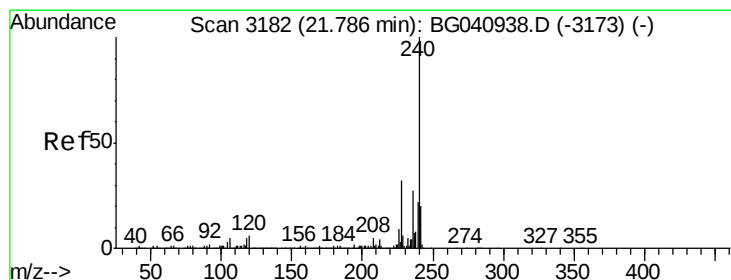
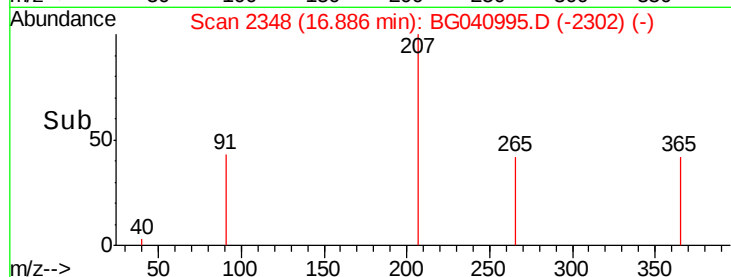
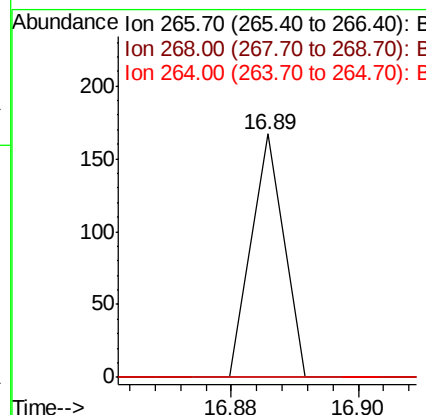
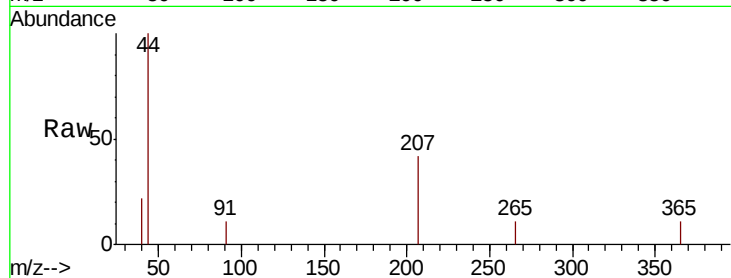




#70
 Pentachlorophenol
 Concen: 4.272 ng
 RT: 16.89 min Scan# 2348
 Delta R.T. -0.26 min
 Lab File: BG040995.D
 Acq: 1 Jun 2019 3:29

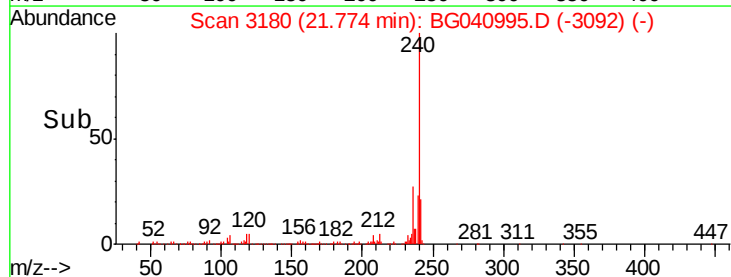
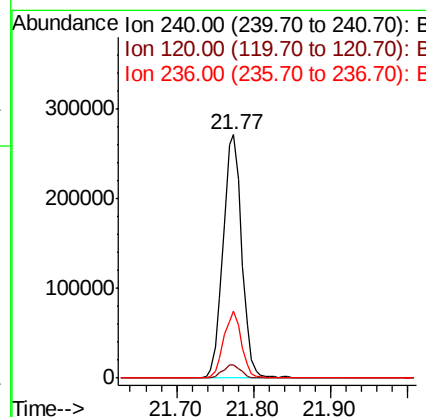
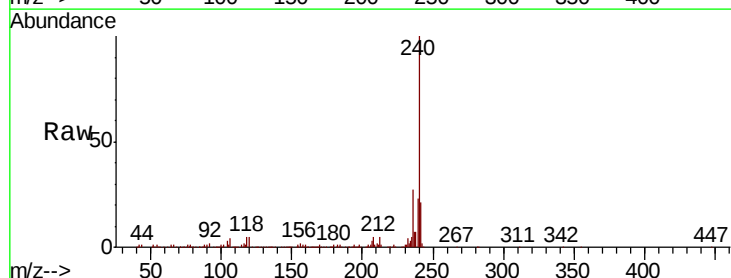
Instrument :
 BNA_G
 ClientSampleId :
 PB120101BL

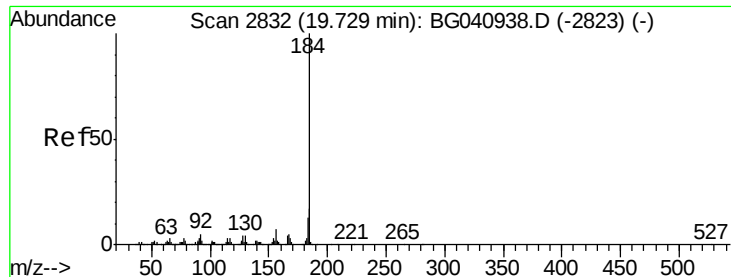
Tgt Ion	Ratio	Lower	Upper
266	100		
268	0.0	53.1	79.7#
264	0.0	49.9	74.9#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.77 min Scan# 3180
 Delta R.T. -0.01 min
 Lab File: BG040995.D
 Acq: 1 Jun 2019 3:29

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.4	4.5	6.7
236	27.5	21.3	31.9





#77

Benzidine

Concen: 2.878 ng

RT: 20.09 min Scan# 2893

Delta R.T. 0.36 min

Lab File: BG040995.D

Acq: 1 Jun 2019 3:29

Instrument :

BNA_G

ClientSampleId :

PB120101BL

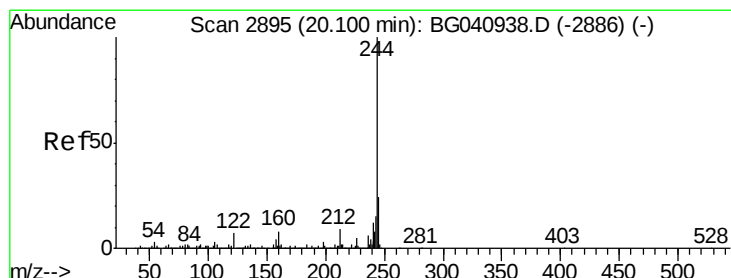
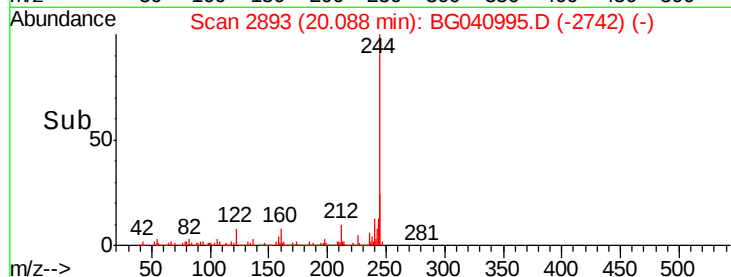
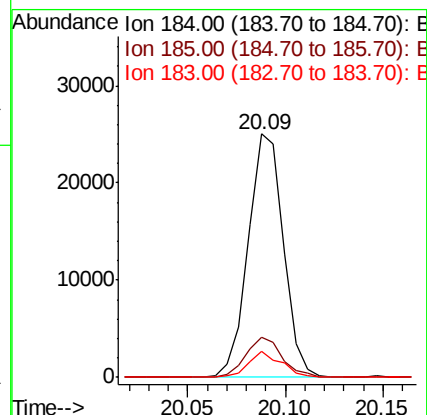
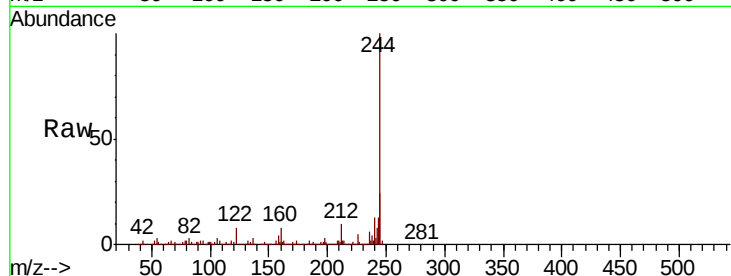
Tgt Ion:184 Resp: 31231

Ion Ratio Lower Upper

184 100

185 16.6 13.3 19.9

183 10.5 10.7 16.1#



#79

Terphenyl-d14

Concen: 83.529 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG040995.D

Acq: 1 Jun 2019 3:29

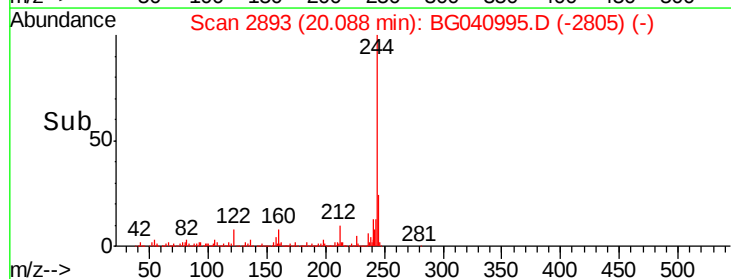
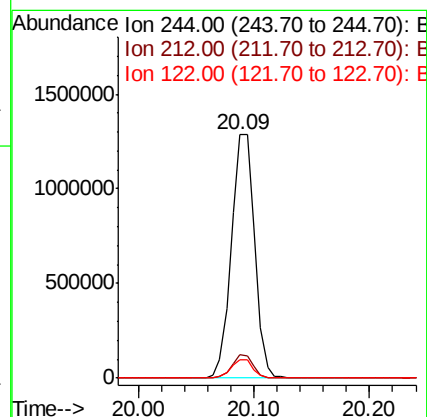
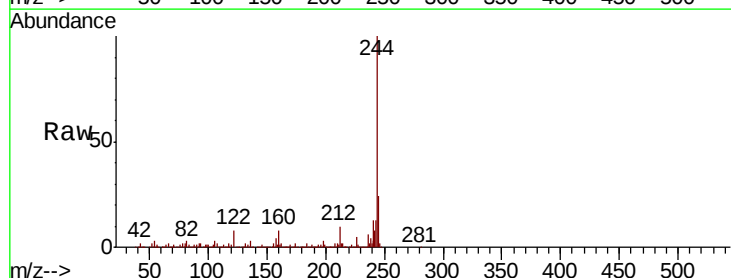
Tgt Ion:244 Resp: 1790628

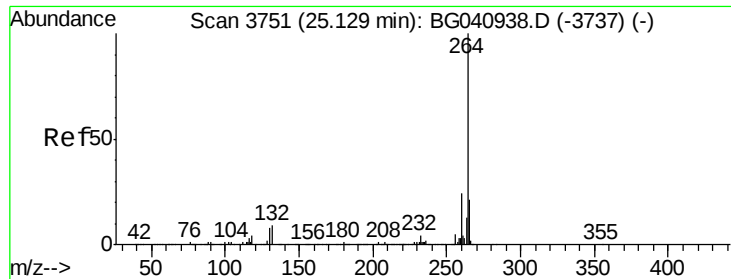
Ion Ratio Lower Upper

244 100

212 9.6 7.0 10.4

122 7.7 5.4 8.0





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.11 min Scan# 3748
Delta R.T. -0.02 min
Lab File: BG040995.D
Acq: 1 Jun 2019 3:29

Instrument :
BNA_G
ClientSampleId :
PB120101BL

Tgt Ion:	264	Resp:	465084
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.4
265	21.5	17.0	25.4

