

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022719\
 Data File : BG039653.D
 Acq On : 28 Feb 2019 3:53
 Operator : JU/SJ
 Sample : K1353-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-022619-A

Quant Time: Feb 28 07:14:52 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	8.17	152	54860	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	230568	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	158795	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	371844	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	384860	20.00	ng	-0.03
87) Perylene-d12	25.20	264	378742	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	435288	135.80	ng	0.00
7) Phenol-d6	7.31	99	577783	122.46	ng	0.00
23) Nitrobenzene-d5	9.34	82	416067	112.73	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	217643	127.28	ng	-0.02
45) 2-Fluorobiphenyl	13.41	172	994415	89.84	ng	-0.02
79) Terphenyl-d14	20.13	244	1510841	83.09	ng	-0.02

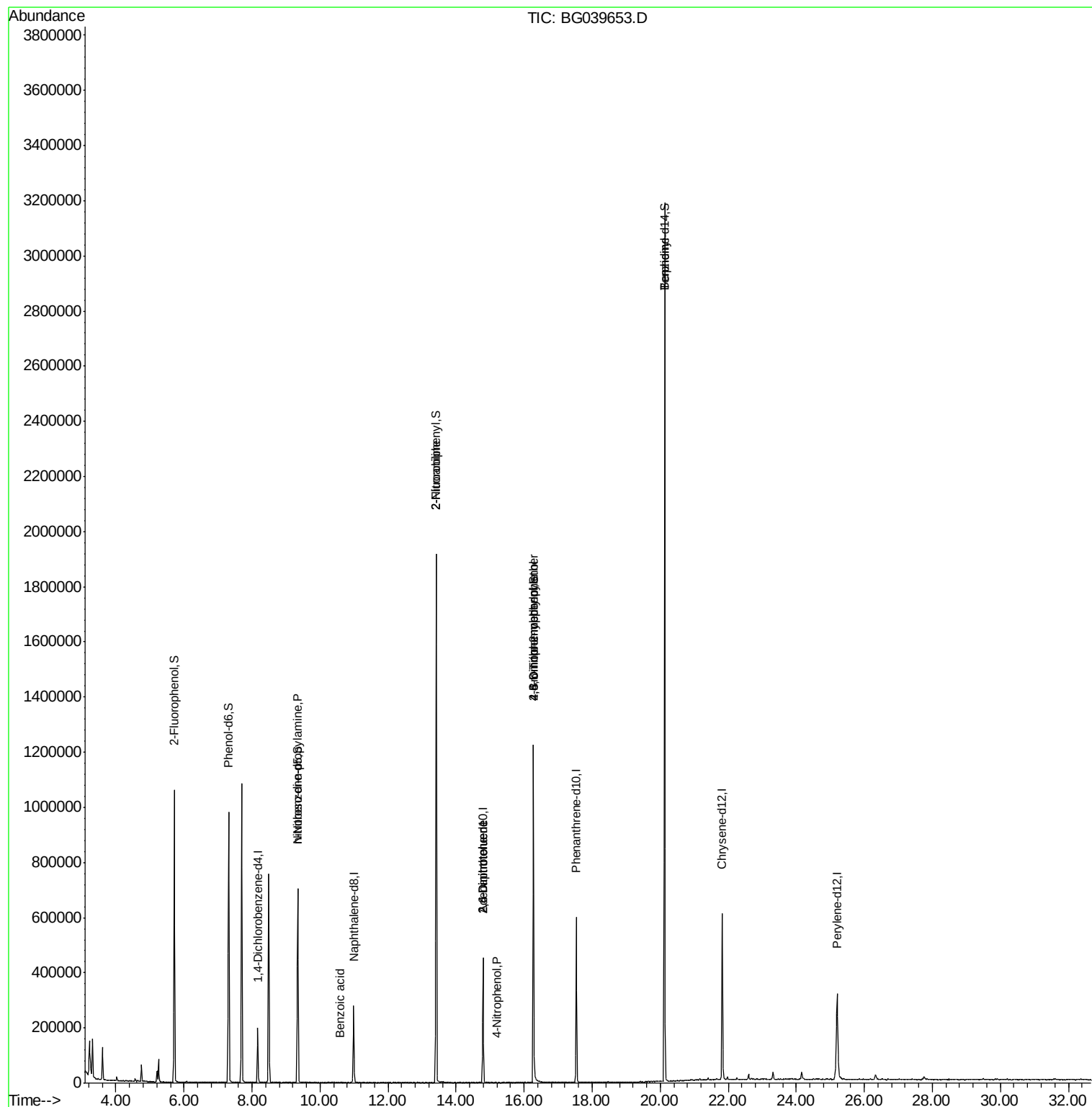
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	930	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	55371	16.535	ng	# 67
32) Benzoic acid	10.59	122	63	9.045	ng	# 1
48) 2-Nitroaniline	13.41	65	1759	8.806	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	21310	14.235	ng	# 24
56) 4-Nitrophenol	15.18	139	132	5.847	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	21310	13.634	ng	# 19
65) 4,6-Dinitro-2-methylphenol	16.28	198	624	4.712	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	16783	4.068	ng	# 1
77) Benzidine	20.13	184	26939	2.135	ng	# 96

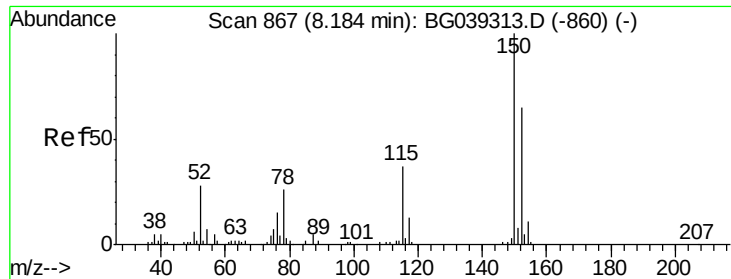
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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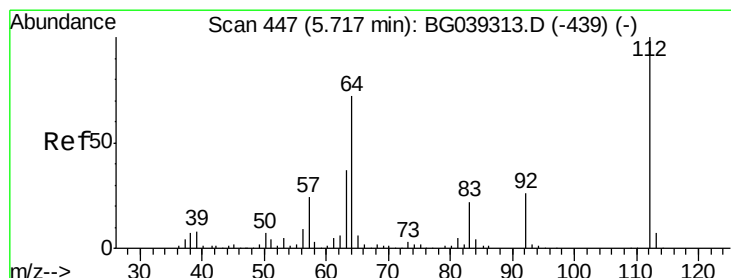
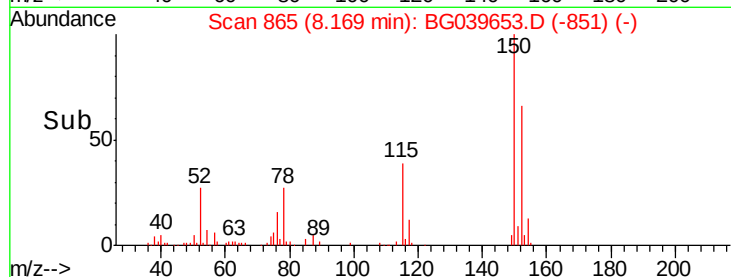
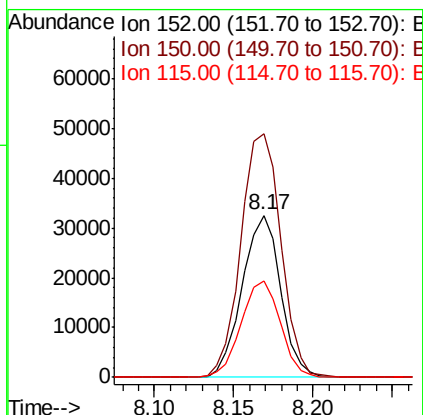
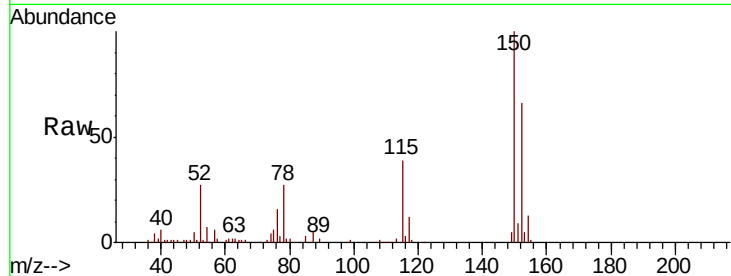


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.02 min
Lab File: BG039653.D
Acq: 28 Feb 2019 3:53

Instrument :
BNA_G
ClientSampleId :
PL-02-022619-A

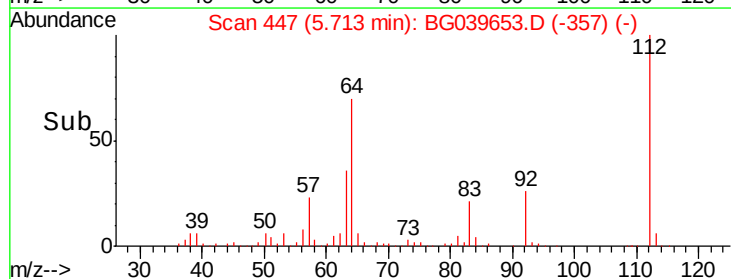
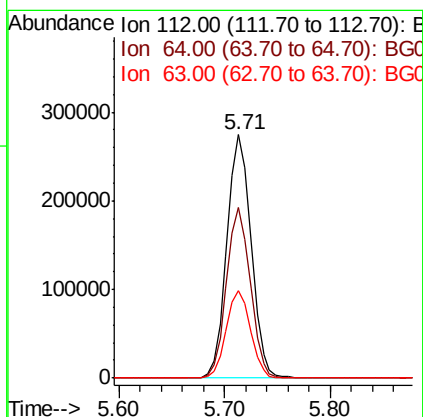
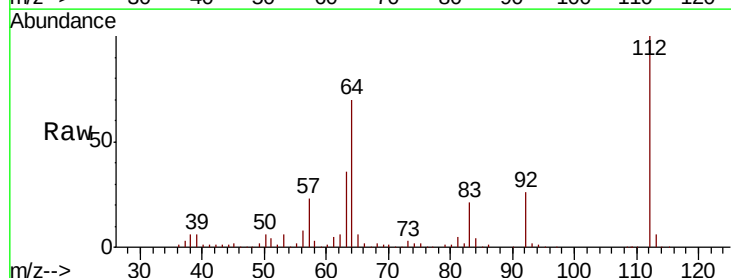
Tgt Ion:152 Resp: 54860
Ion Ratio Lower Upper
152 100
150 150.5 123.7 185.5
115 59.4 45.9 68.9

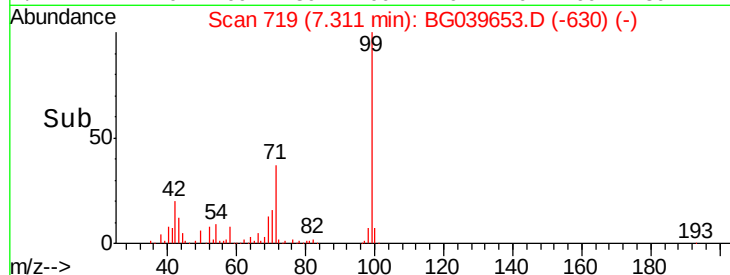
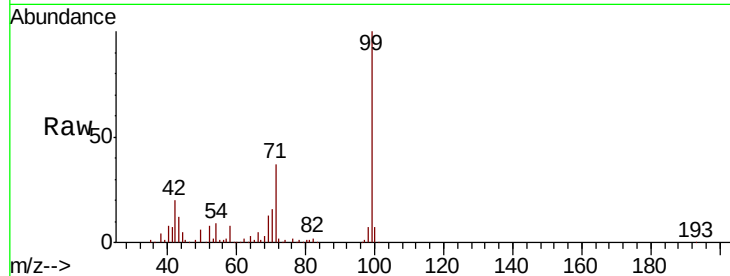
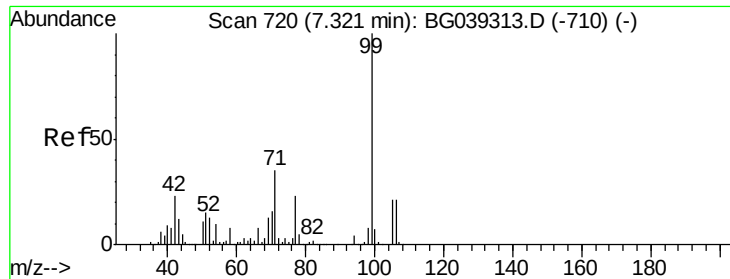


#5

2-Fluorophenol
Concen: 135.800 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039653.D
Acq: 28 Feb 2019 3:53

Tgt Ion:112 Resp: 435288
Ion Ratio Lower Upper
112 100
64 69.9 57.8 86.8
63 36.1 29.8 44.6





#7

Phenol-d6

Concen: 122.458 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039653.D

Acq: 28 Feb 2019 3:53

Instrument :

BNA_G

ClientSampleId :

PL-02-022619-A

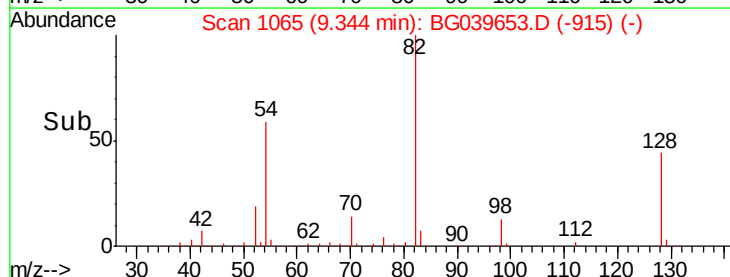
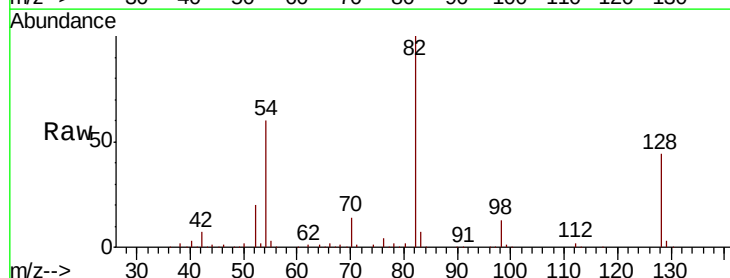
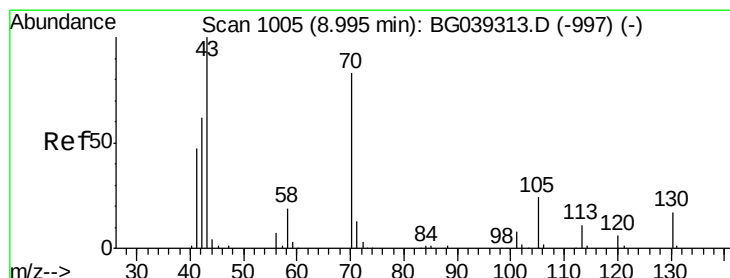
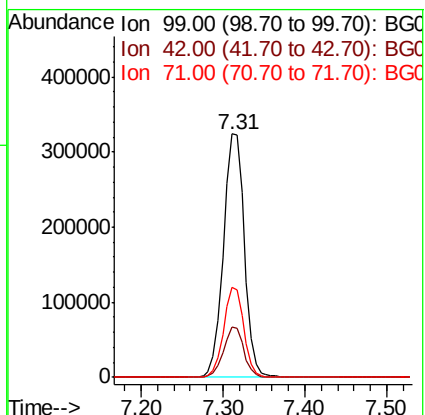
Tgt Ion: 99 Resp: 577783

Ion Ratio Lower Upper

99 100

42 20.4 18.2 27.2

71 36.8 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.535 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039653.D

Acq: 28 Feb 2019 3:53

Tgt Ion: 70 Resp: 55371

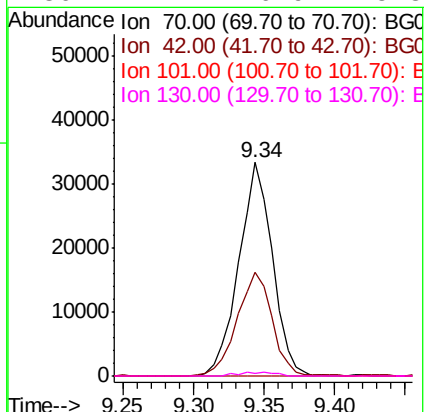
Ion Ratio Lower Upper

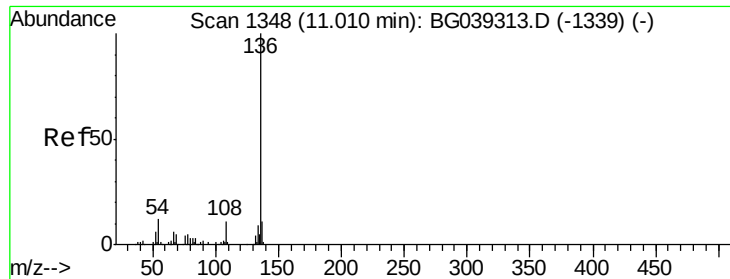
70 100

42 48.8 60.4 90.6#

101 0.0 7.5 11.3#

130 1.4 16.9 25.3#

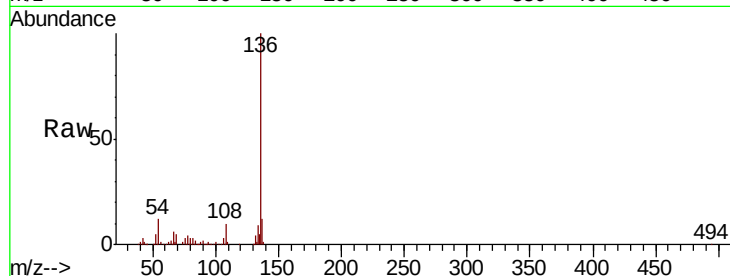




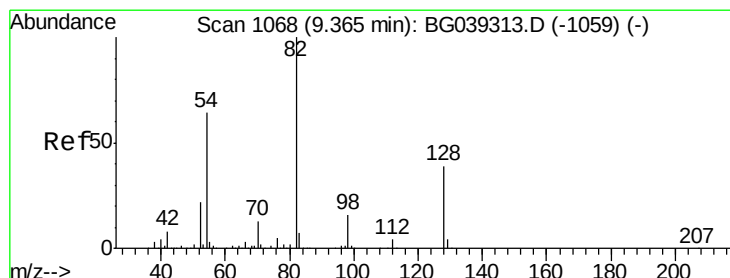
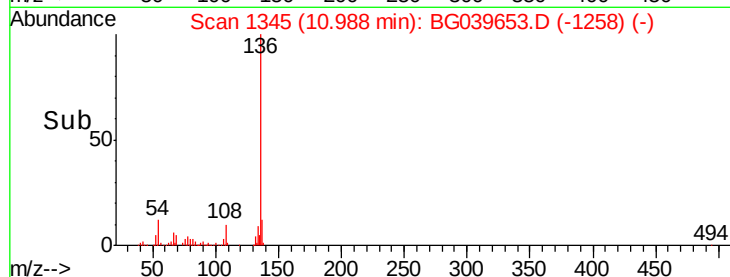
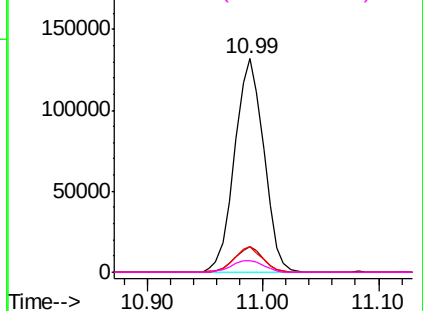
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039653.D
Acq: 28 Feb 2019 3:53

Instrument :
BNA_G
ClientSampleId :
PL-02-022619-A

Tgt Ion:	136	Resp:	230568
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.1	13.7
54	11.9	9.4	14.2
68	5.3	4.2	6.4

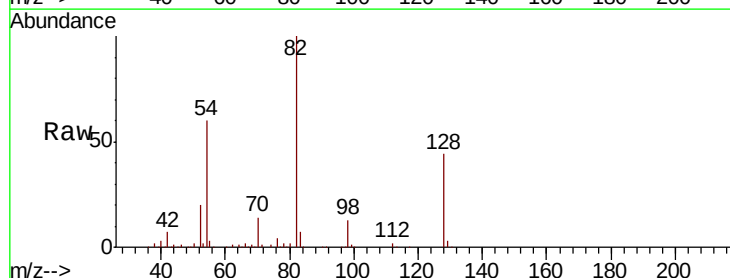


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

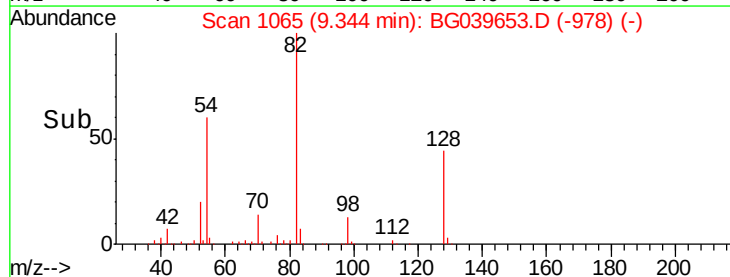
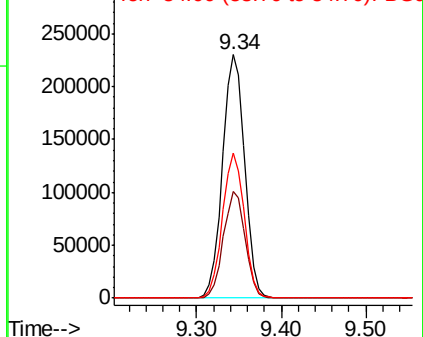


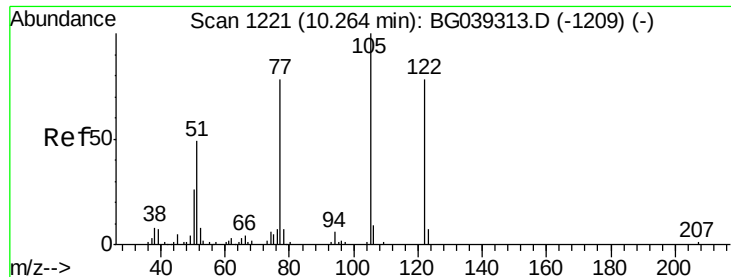
#23
Nitrobenzene-d5
Concen: 112.732 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039653.D
Acq: 28 Feb 2019 3:53

Tgt Ion:	82	Resp:	416067
Ion	Ratio	Lower	Upper
82	100		
128	43.7	31.3	46.9
54	59.8	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: 9.045 ng

RT: 10.59 min Scan# 1277

Delta R.T. 0.33 min

Lab File: BG039653.D

Acq: 28 Feb 2019 3:53

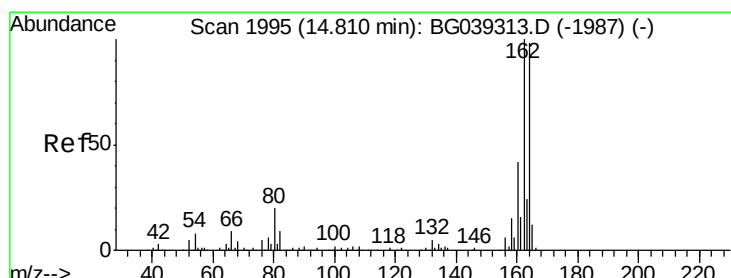
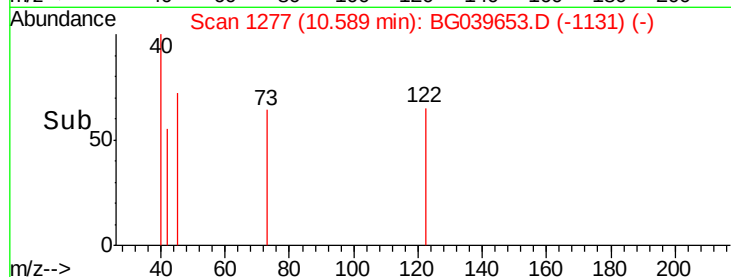
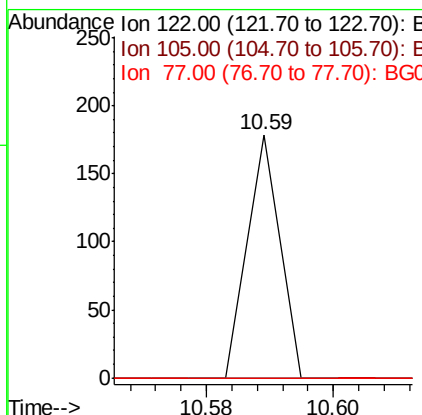
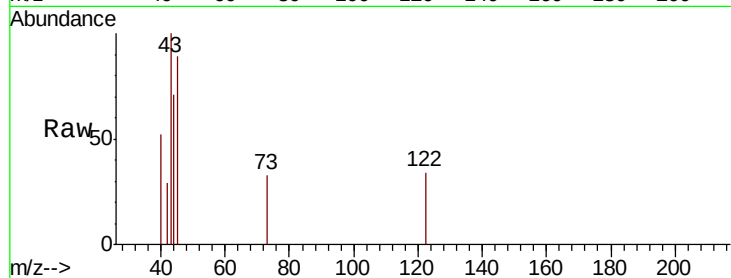
Instrument :

BNA_G

ClientSampleId :

PL-02-022619-A

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



#39

Acenaphthene-d10

Concen: 20.000 ng

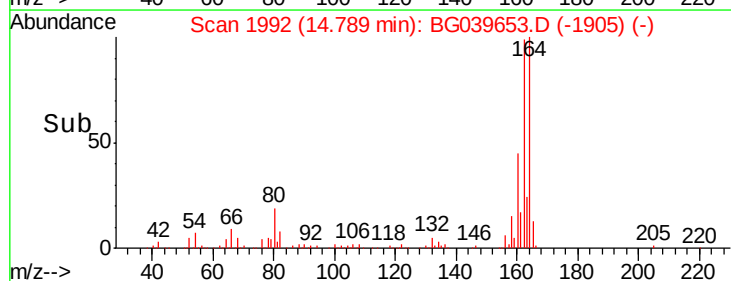
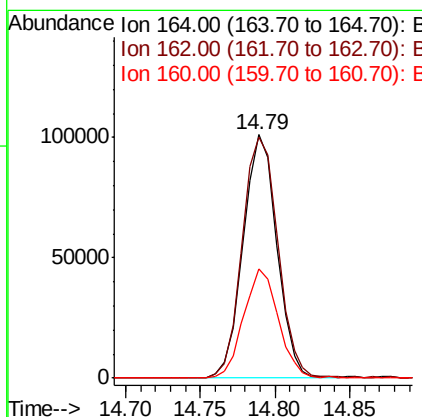
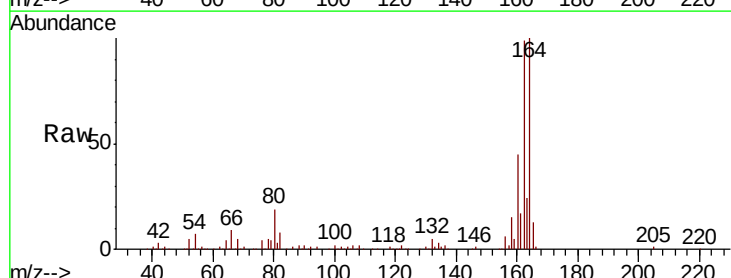
RT: 14.79 min Scan# 1992

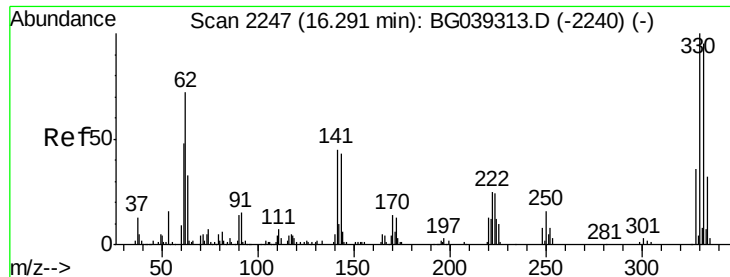
Delta R.T. -0.02 min

Lab File: BG039653.D

Acq: 28 Feb 2019 3:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.1	81.6	122.4
160	45.0	34.2	51.2





#42

2,4,6-Tribromophenol

Concen: 127.280 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.02 min

Lab File: BG039653.D

Acq: 28 Feb 2019 3:53

Instrument :

BNA_G

ClientSampleId :

PL-02-022619-A

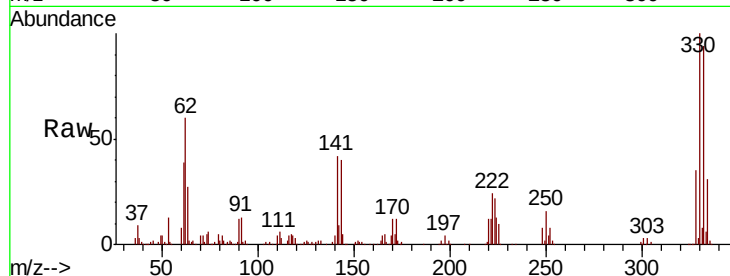
Tgt Ion:330 Resp: 217643

Ion Ratio Lower Upper

330 100

332 95.4 75.7 113.5

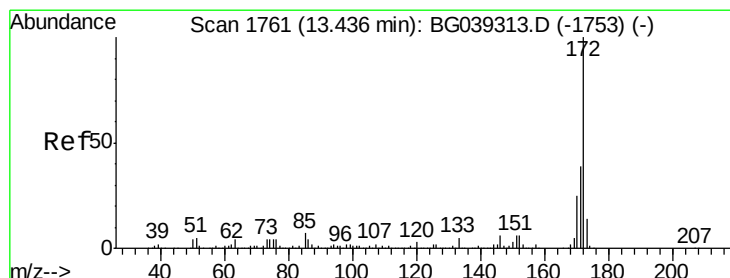
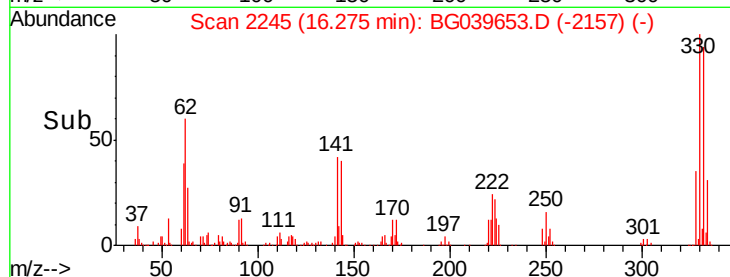
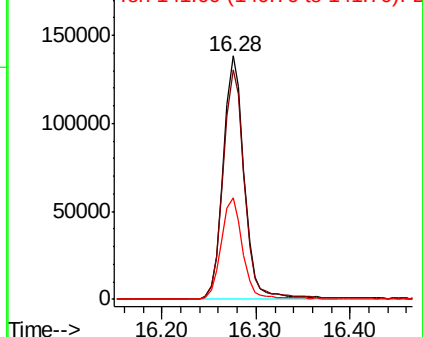
141 42.3 35.6 53.4



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: 89.835 ng

RT: 13.41 min Scan# 1758

Delta R.T. -0.02 min

Lab File: BG039653.D

Acq: 28 Feb 2019 3:53

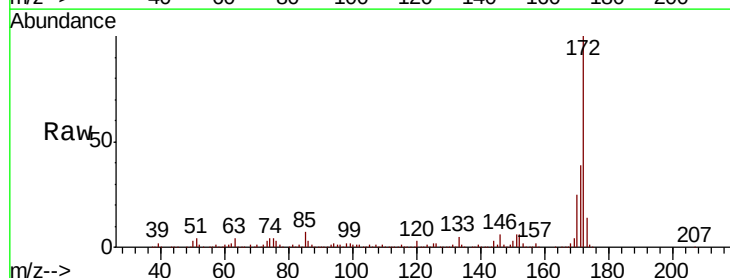
Tgt Ion:172 Resp: 994415

Ion Ratio Lower Upper

172 100

171 39.0 30.8 46.2

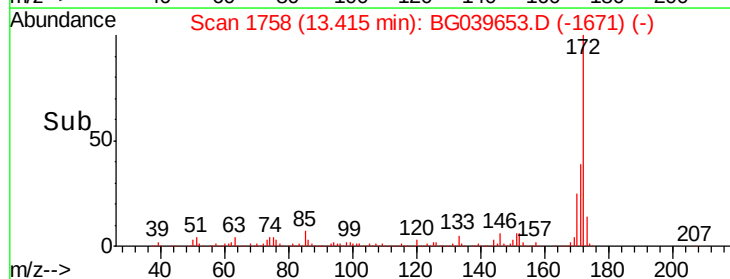
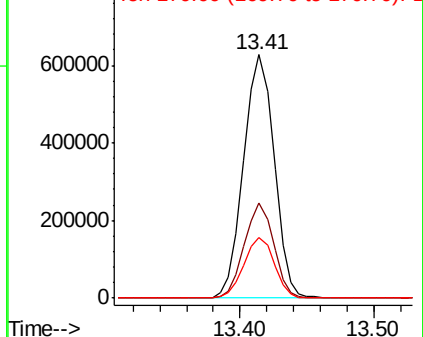
170 24.8 20.2 30.4

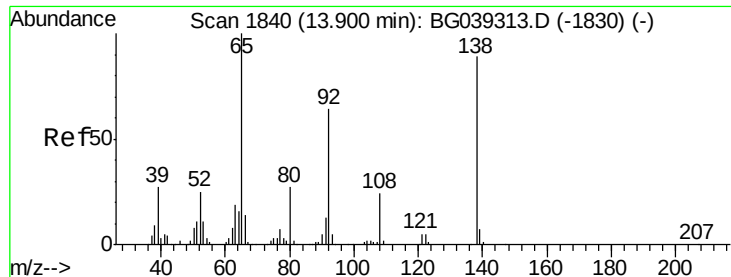


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 8.806 ng

RT: 13.41 min Scan# 1758

Delta R.T. -0.48 min

Lab File: BG039653.D

Acq: 28 Feb 2019 3:53

Instrument :

BNA_G

ClientSampleId :

PL-02-022619-A

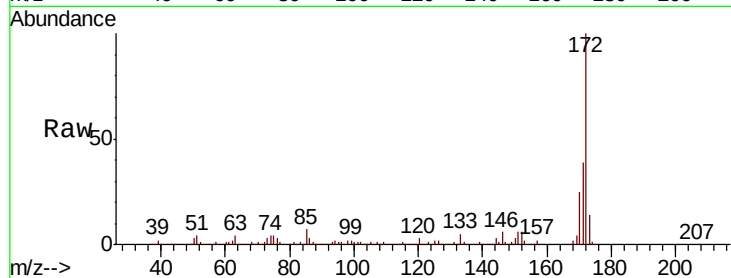
Tgt Ion: 65 Resp: 1759

Ion Ratio Lower Upper

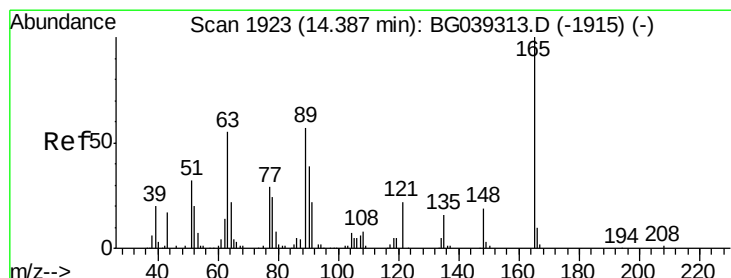
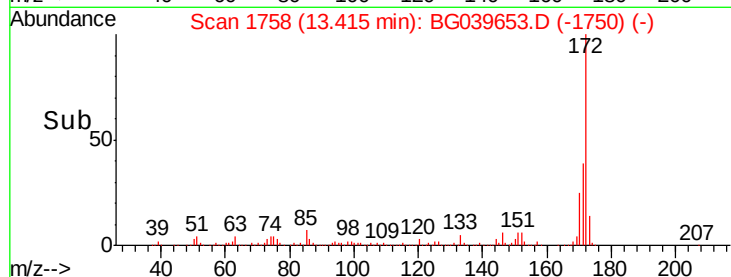
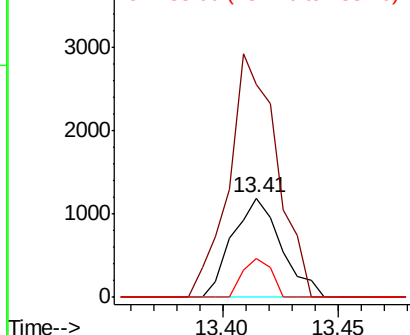
65 100

92 213.8 51.4 77.2#

138 39.2 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: 14.235 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.40 min

Lab File: BG039653.D

Acq: 28 Feb 2019 3:53

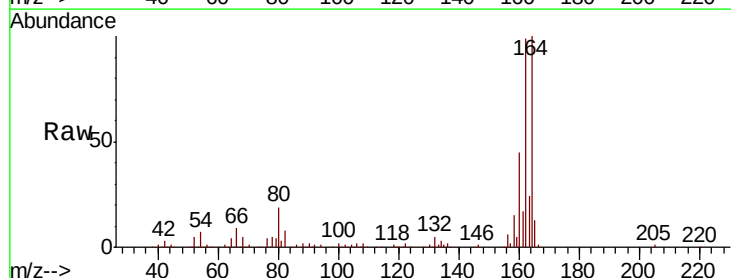
Tgt Ion: 165 Resp: 21310

Ion Ratio Lower Upper

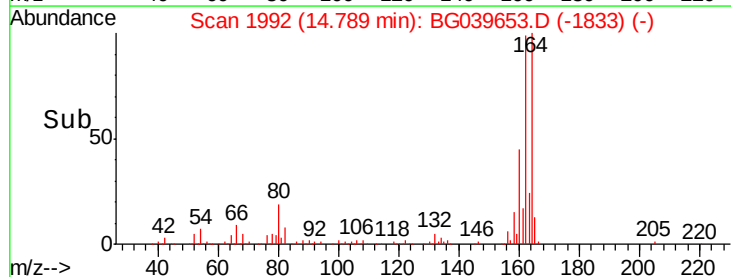
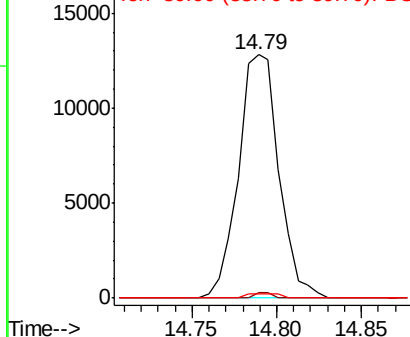
165 100

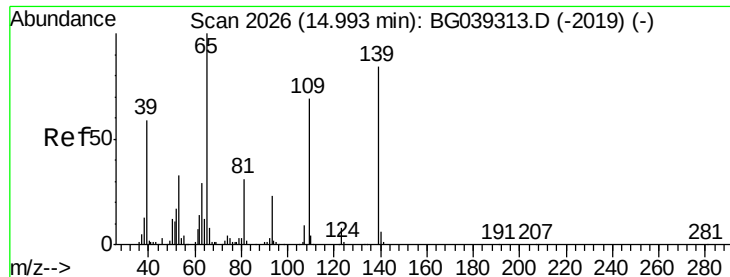
63 2.2 47.0 70.6#

89 1.6 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

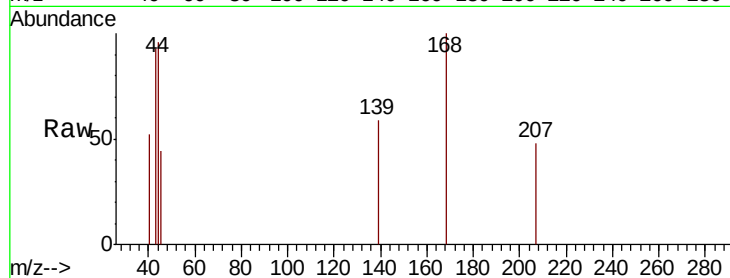




#56
4-Nitrophenol
Concen: 5.847 ng
RT: 15.18 min Scan# 2059
Delta R.T. 0.19 min
Lab File: BG039653.D
Acq: 28 Feb 2019 3:53

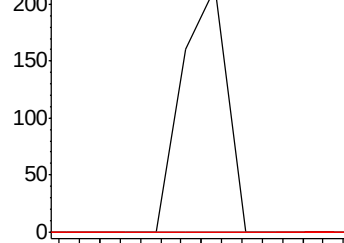
Instrument :
BNA_G
ClientSampleId :
PL-02-022619-A

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

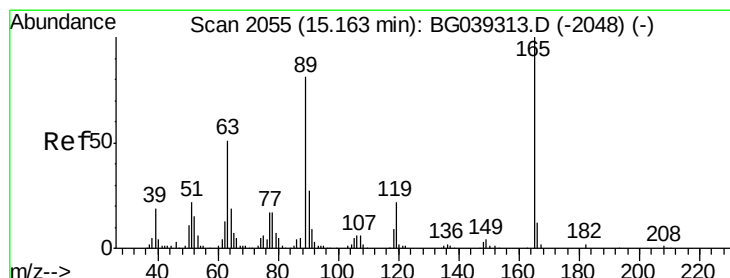
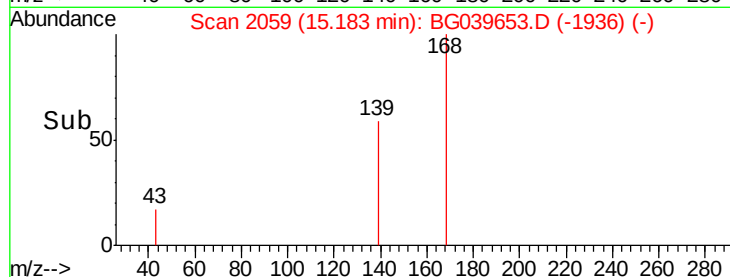


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

15.18



Time-->

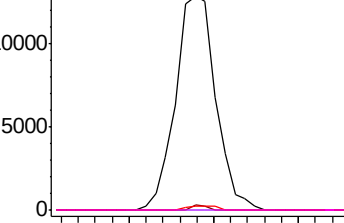


#57
2,4-Dinitrotoluene
Concen: 13.634 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.37 min
Lab File: BG039653.D
Acq: 28 Feb 2019 3:53

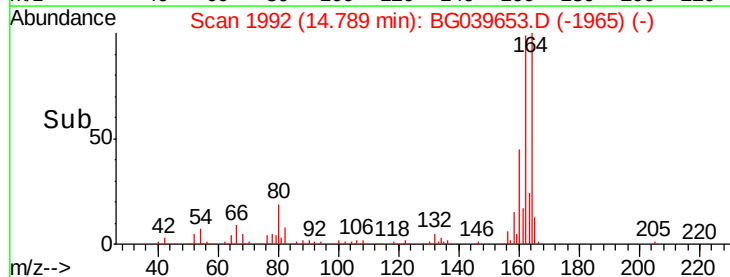
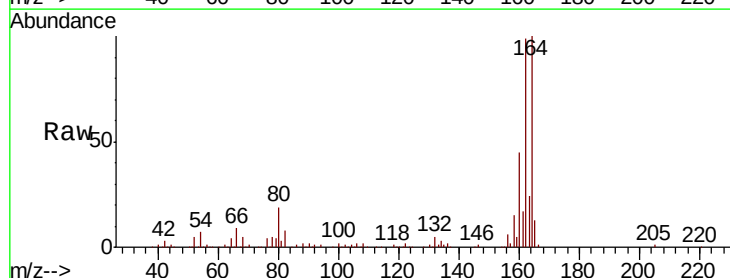
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	41.0	61.6#
89	1.6	64.6	96.8#
182	0.0	2.0	3.0#

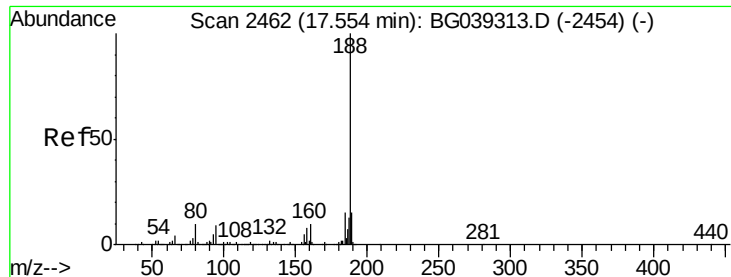
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

14.79



Time-->





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039653.D

Acq: 28 Feb 2019 3:53

Instrument :

BNA_G

ClientSampleId :

PL-02-022619-A

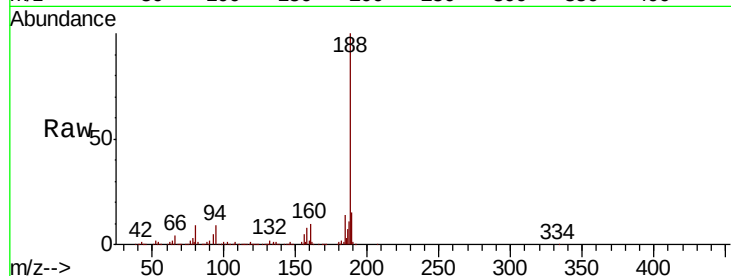
Tgt Ion:188 Resp: 371844

Ion Ratio Lower Upper

188 100

94 8.7 6.9 10.3

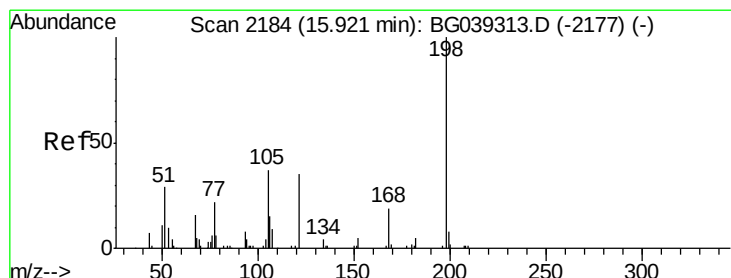
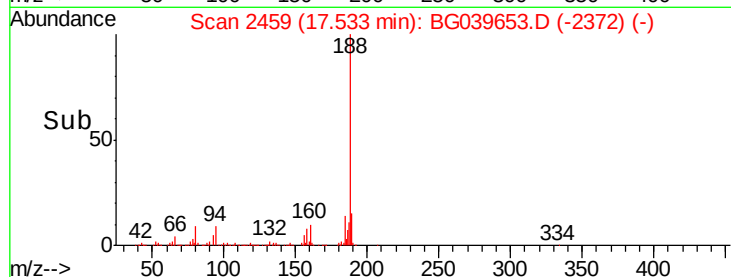
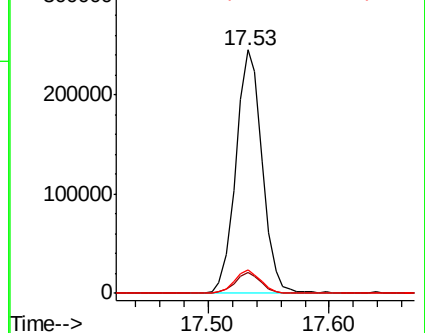
80 9.4 8.1 12.1



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: 4.712 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039653.D

Acq: 28 Feb 2019 3:53

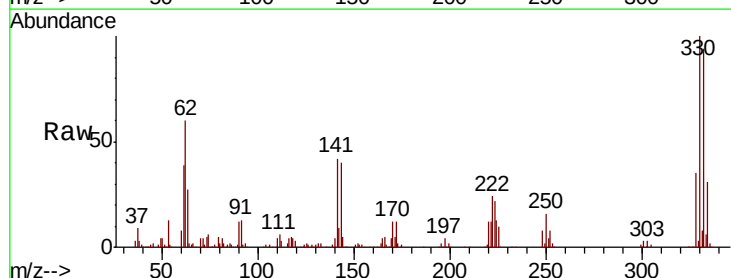
Tgt Ion:198 Resp: 624

Ion Ratio Lower Upper

198 100

51 131.1 27.4 67.4#

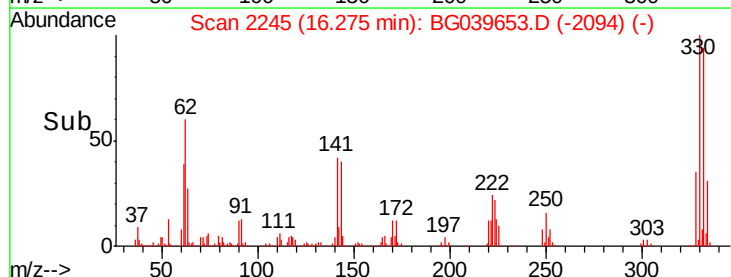
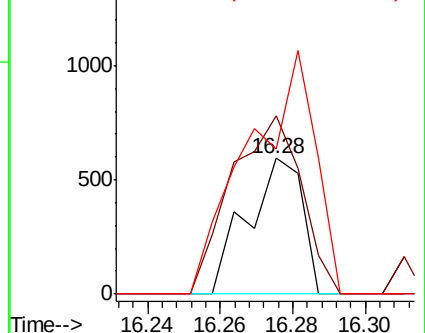
105 107.1 19.7 59.7#

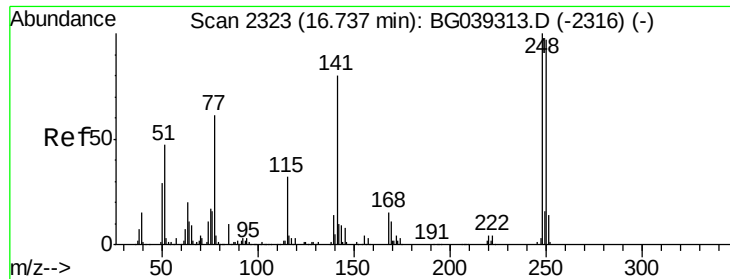


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

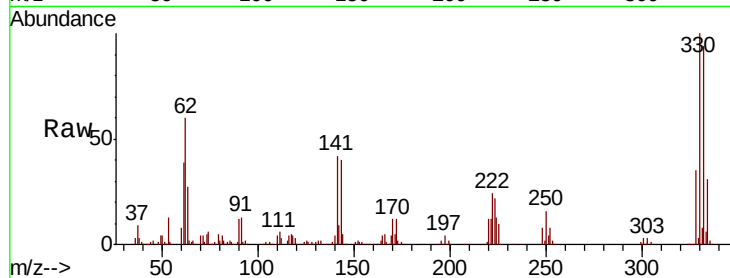




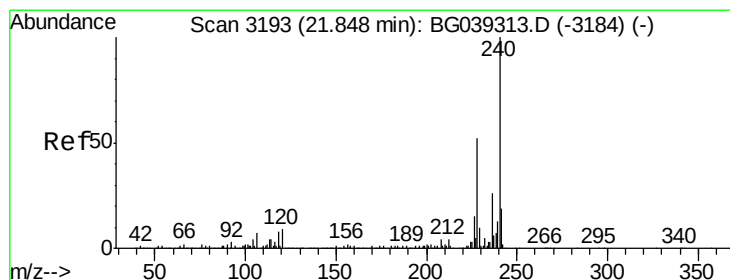
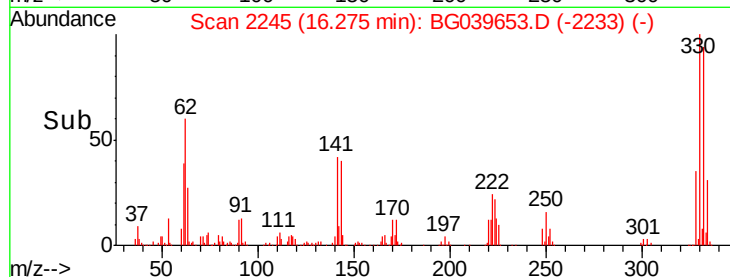
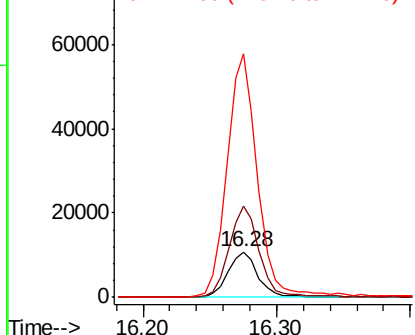
#67
 4-Bromophenyl-phenylether
 Concen: 4.068 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039653.D
 Acq: 28 Feb 2019 3:53

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-022619-A

Tgt Ion:248 Resp: 16783
 Ion Ratio Lower Upper
 248 100
 250 202.4 77.6 116.4#
 141 538.1 63.9 95.9#

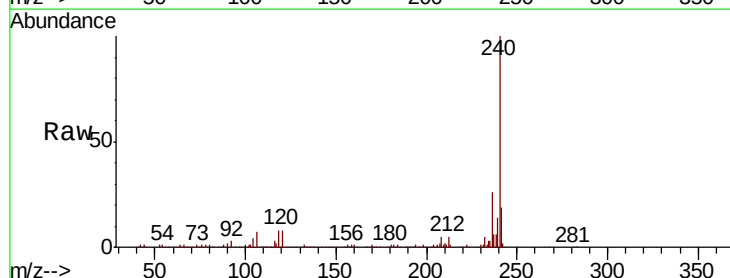


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

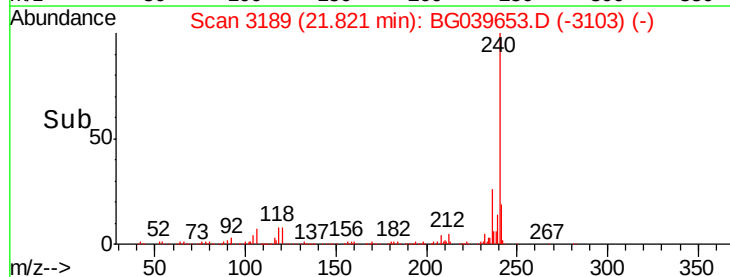
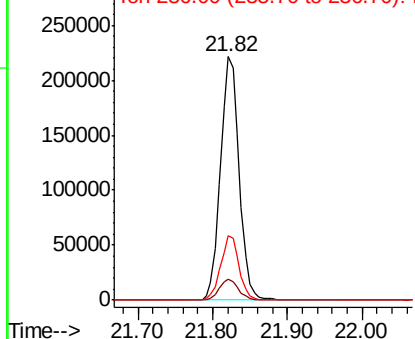


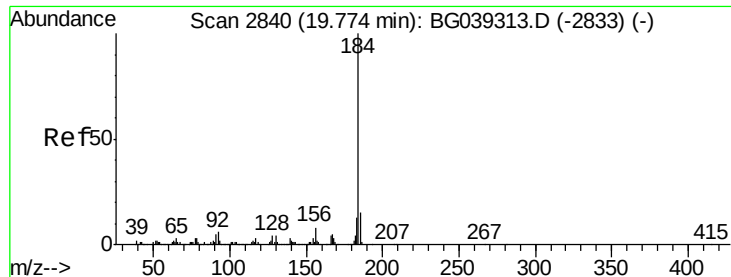
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.03 min
 Lab File: BG039653.D
 Acq: 28 Feb 2019 3:53

Tgt Ion:240 Resp: 384860
 Ion Ratio Lower Upper
 240 100
 120 8.4 7.0 10.6
 236 26.2 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: 2.135 ng

RT: 20.13 min Scan# 2901

Delta R.T. 0.35 min

Lab File: BG039653.D

Acq: 28 Feb 2019 3:53

Instrument :

BNA_G

ClientSampleId :

PL-02-022619-A

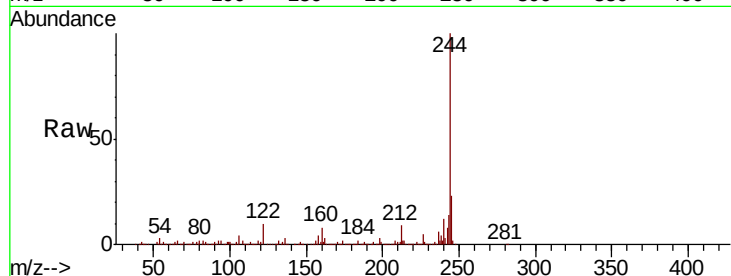
Tgt Ion:184 Resp: 26939

Ion Ratio Lower Upper

184 100

185 14.8 12.2 18.2

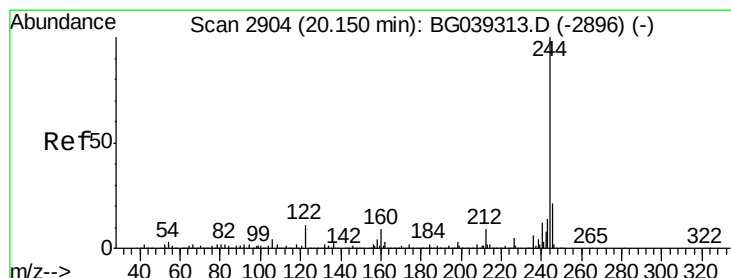
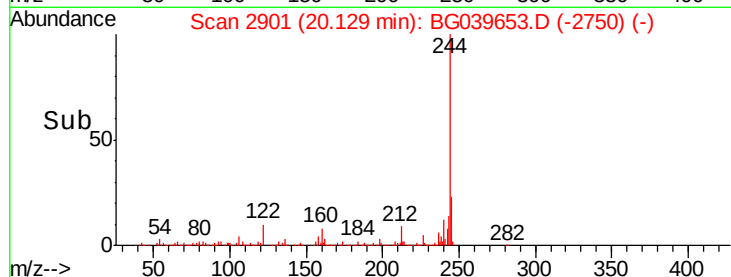
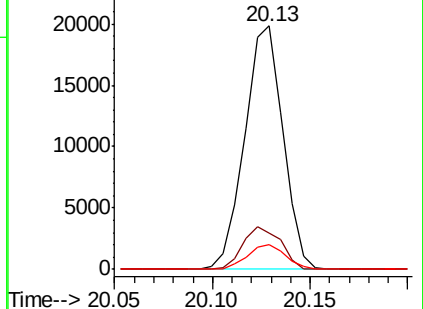
183 9.9 10.6 15.8#



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: 83.095 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039653.D

Acq: 28 Feb 2019 3:53

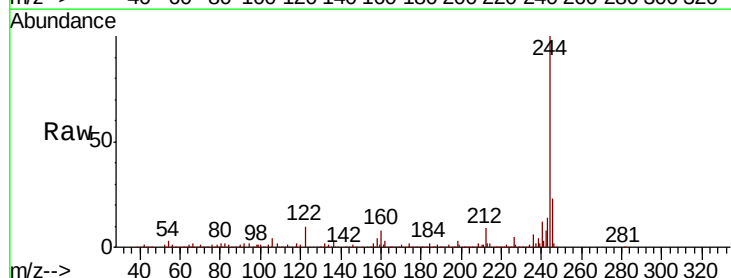
Tgt Ion:244 Resp: 1510841

Ion Ratio Lower Upper

244 100

212 9.4 7.3 10.9

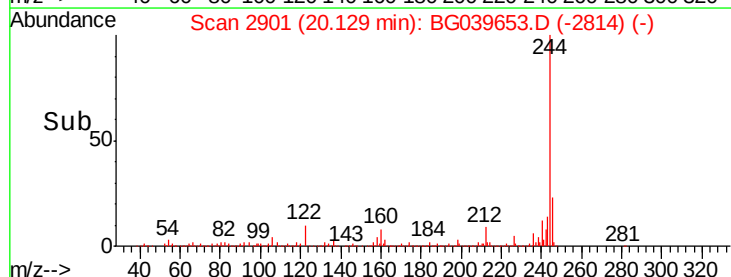
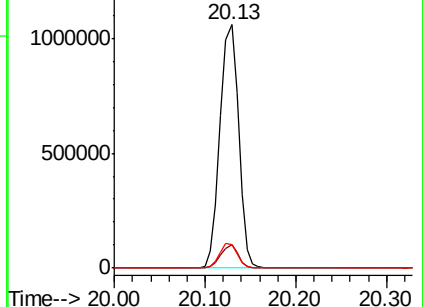
122 9.7 8.4 12.6

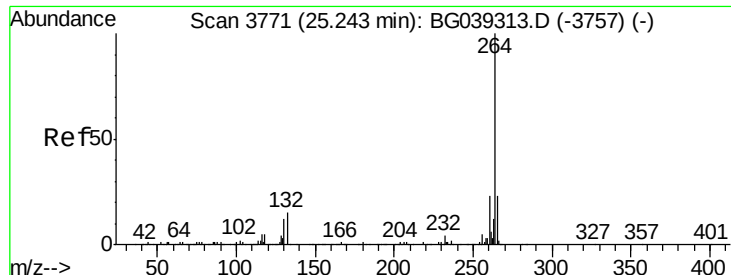


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

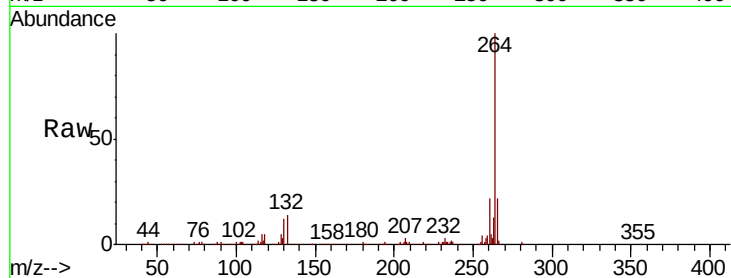




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.20 min Scan# 3765
Delta R.T. -0.04 min
Lab File: BG039653.D
Acq: 28 Feb 2019 3:53

Instrument :
BNA_G
ClientSampleId :
PL-02-022619-A

Tgt Ion:	264	Resp:	378742
Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.2	27.4
265	21.8	18.5	27.7



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

