

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG012119\
 Data File : BG039243.D
 Acq On : 21 Jan 2019 21:18
 Operator : JU/SJ
 Sample : K1019-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-011819-B

Quant Time: Jan 22 00:05:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 18 04:20:14 2019
 Response via : Initial Calibration

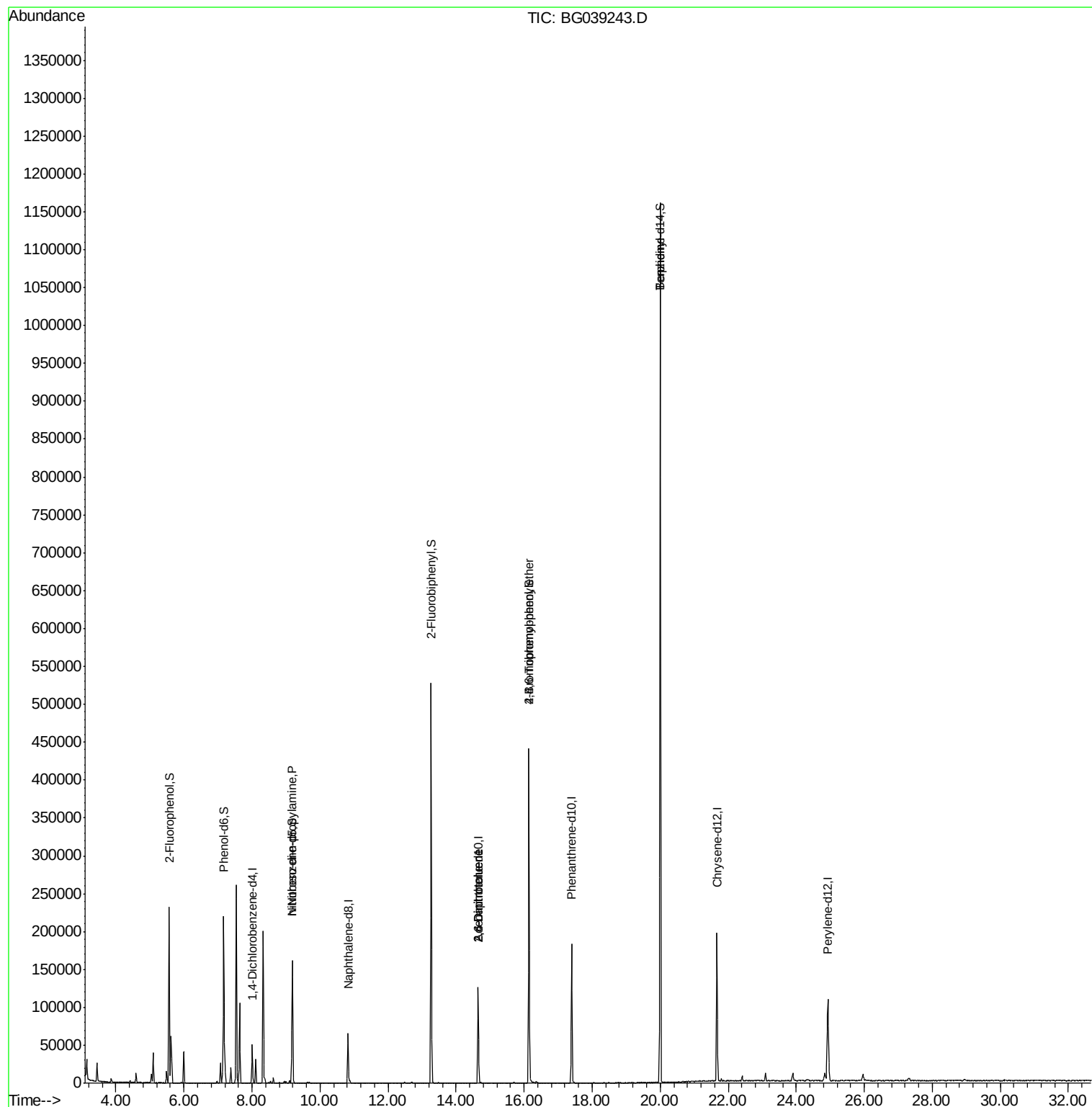
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	15287	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	61920	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	47578	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	124567	20.00	ng	0.00
76) Chrysene-d12	21.67	240	130371	20.00	ng	0.00
87) Perylene-d12	24.93	264	136954	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	100919	125.23	ng	0.00
7) Phenol-d6	7.17	99	125915	108.57	ng	0.00
23) Nitrobenzene-d5	9.19	82	99455	87.89	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	99187	124.37	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	294512	84.72	ng	0.00
79) Terphenyl-d14	20.00	244	604418	85.76	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	13236	17.380	ng	# 69
51) 2,6-Dinitrotoluene	14.65	165	6293	7.001	ng	# 24
57) 2,4-Dinitrotoluene	14.65	165	6293	4.880	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	6795	4.244	ng	# 1
77) Benzidine	20.00	184	9297	2.332	ng	# 94

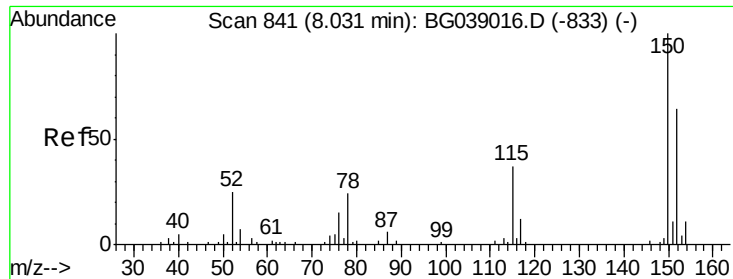
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG010919.M
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QLast Update : Fri Jan 18 04:20:14 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 837

Delta R.T. -0.01 min

Lab File: BG039243.D

Acq: 21 Jan 2019 21:18

Instrument :

BNA_G

ClientSampleId :

CL-01-011819-B

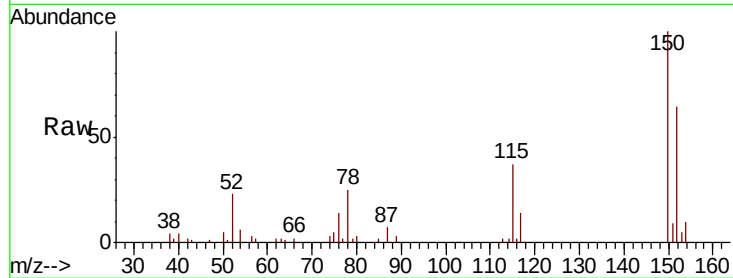
Tgt Ion:152 Resp: 15287

Ion Ratio Lower Upper

152 100

150 155.7 124.7 187.1

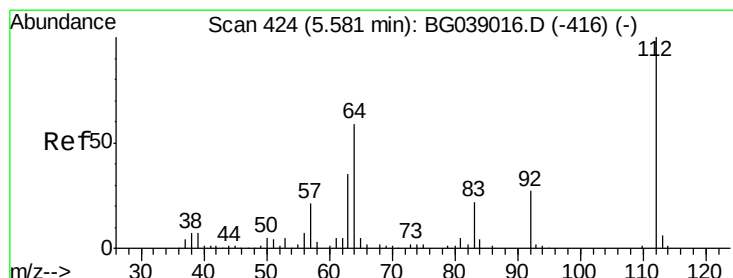
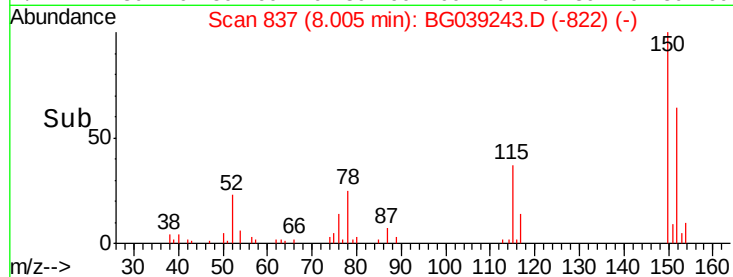
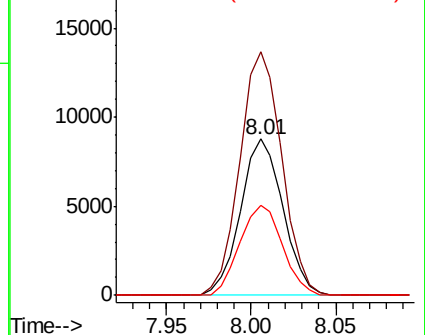
115 58.0 46.5 69.7



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: 125.232 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.00 min

Lab File: BG039243.D

Acq: 21 Jan 2019 21:18

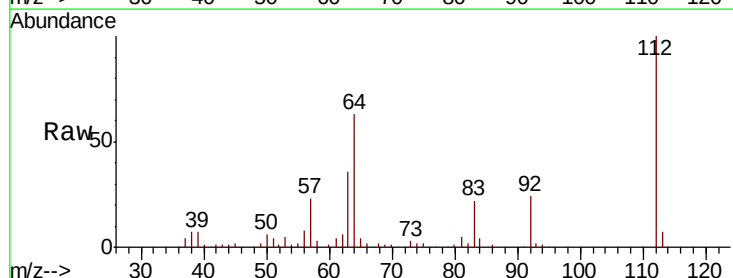
Tgt Ion:112 Resp: 100919

Ion Ratio Lower Upper

112 100

64 63.4 47.0 70.6

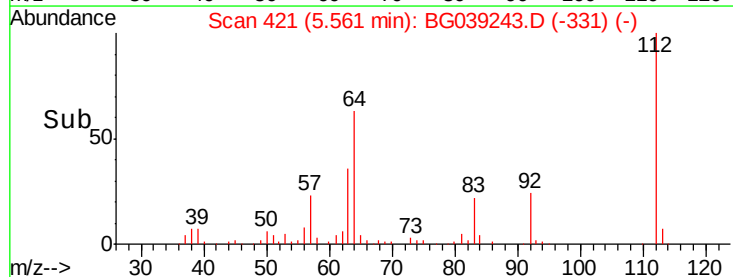
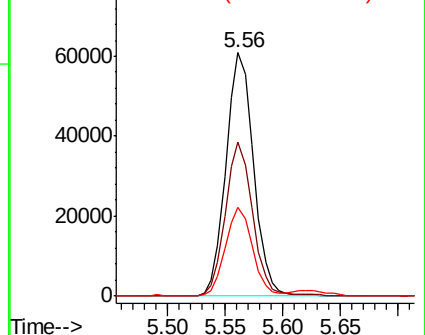
63 36.2 28.0 42.0

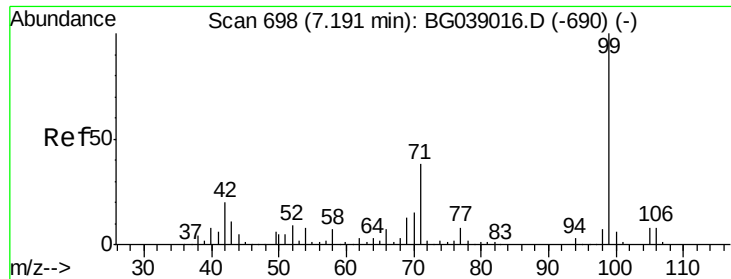


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 108.572 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG039243.D

Acq: 21 Jan 2019 21:18

Instrument :

BNA_G

ClientSampleId :

CL-01-011819-B

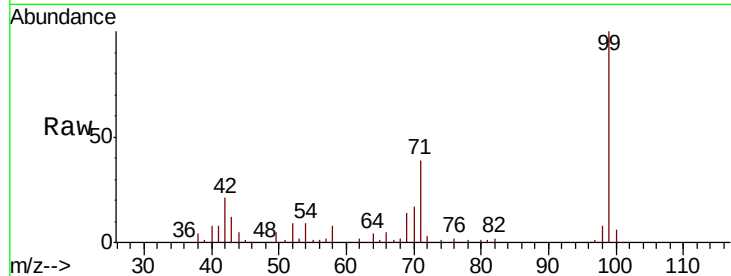
Tgt Ion: 99 Resp: 125915

Ion Ratio Lower Upper

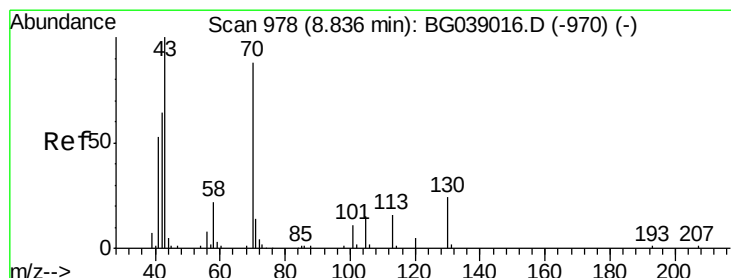
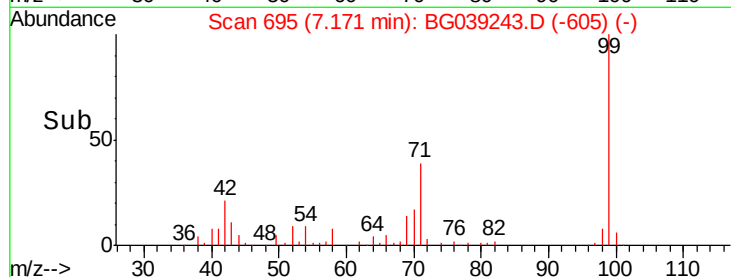
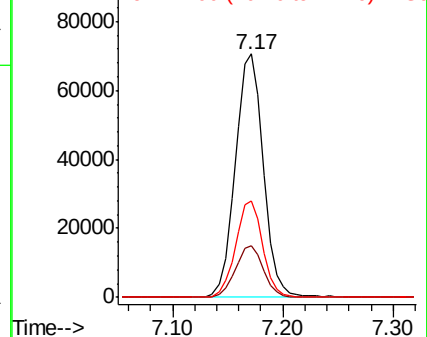
99 100

42 21.2 15.8 23.6

71 39.5 30.2 45.4



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: 17.380 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.37 min

Lab File: BG039243.D

Acq: 21 Jan 2019 21:18

Tgt Ion: 70 Resp: 13236

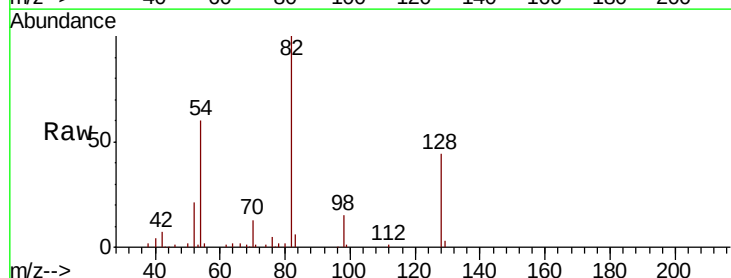
Ion Ratio Lower Upper

70 100

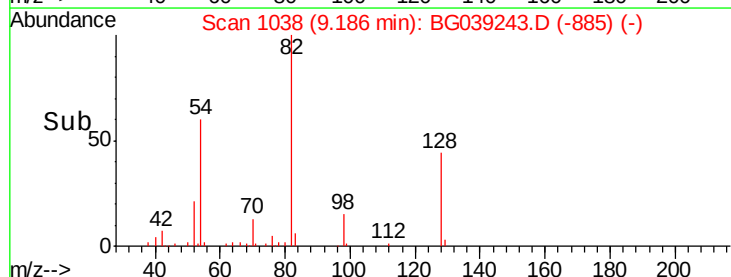
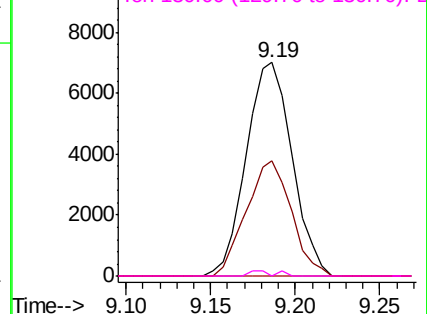
42 53.7 59.0 88.4#

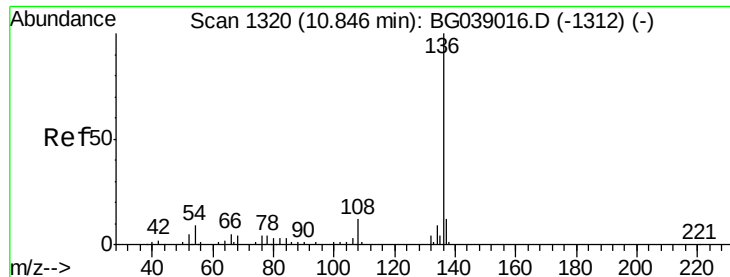
101 0.0 10.4 15.6#

130 0.0 21.6 32.4#



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

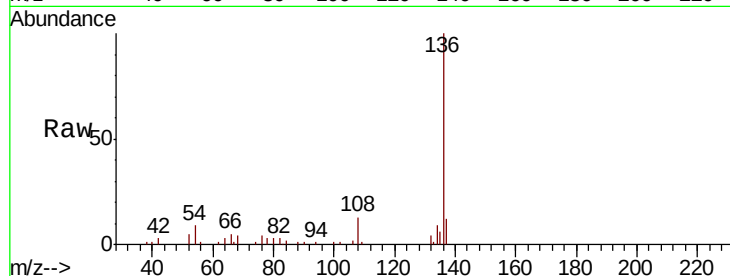




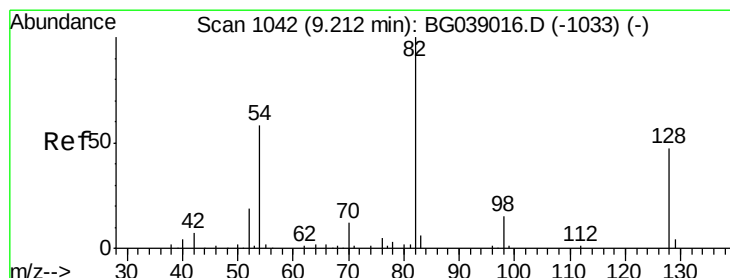
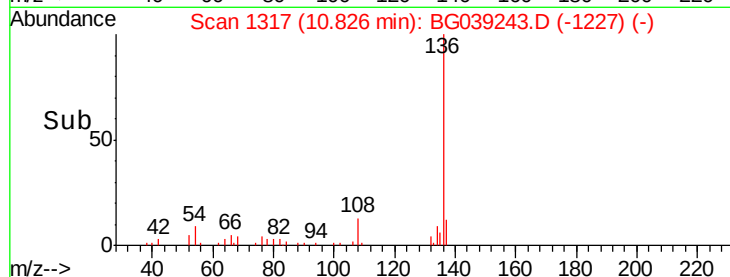
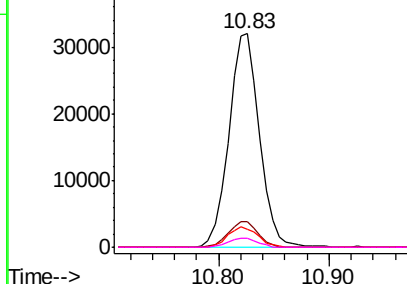
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG039243.D
Acq: 21 Jan 2019 21:18

Instrument :
BNA_G
ClientSampleId :
CL-01-011819-B

Tgt Ion:	136	Resp:	61920
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.4	14.2
54	8.6	7.2	10.8
68	4.0	3.5	5.3

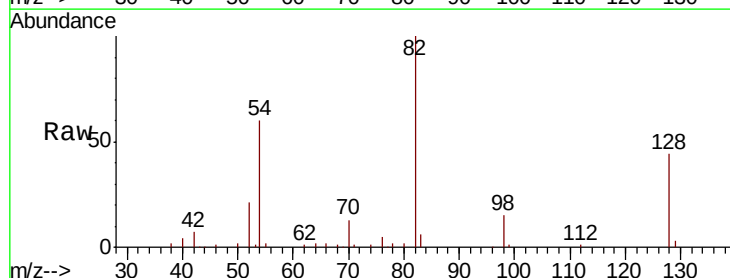


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

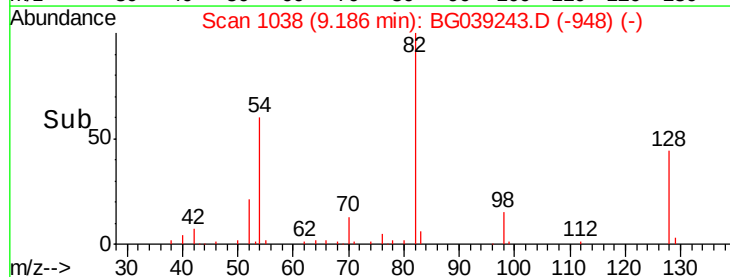
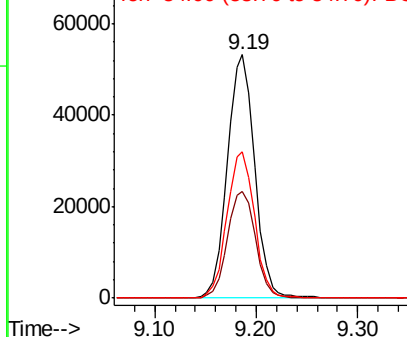


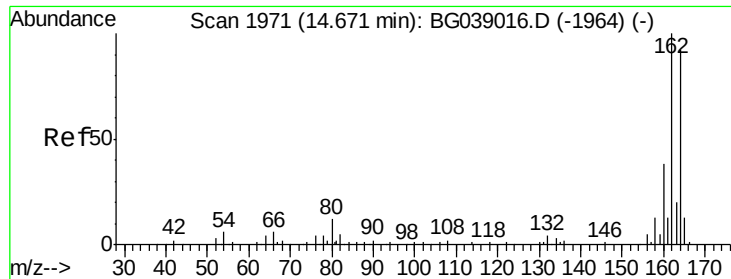
#23
Nitrobenzene-d5
Concen: 87.890 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG039243.D
Acq: 21 Jan 2019 21:18

Tgt Ion:	82	Resp:	99455
Ion	Ratio	Lower	Upper
82	100		
128	43.9	37.3	55.9
54	60.1	46.4	69.6



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: 14.65 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG039243.D

Acq: 21 Jan 2019 21:18

Instrument :

BNA_G

ClientSampleId :

CL-01-011819-B

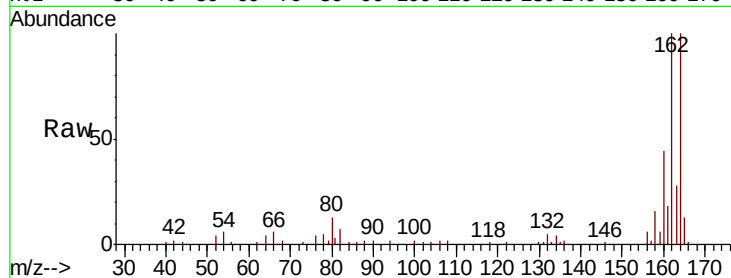
Tgt Ion:164 Resp: 47578

Ion Ratio Lower Upper

164 100

162 100.5 87.2 130.8

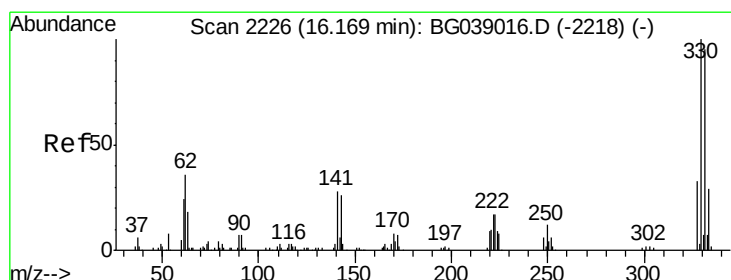
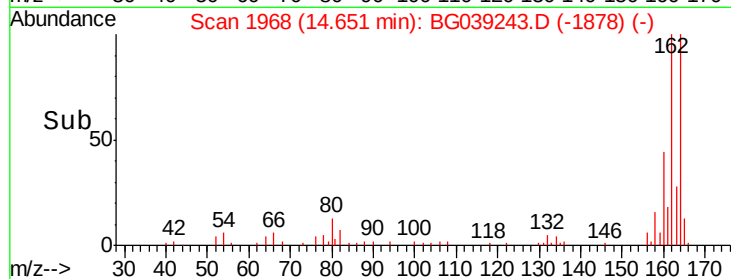
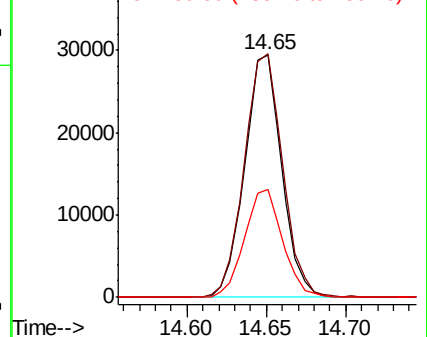
160 44.4 33.3 49.9



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: 124.366 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BG039243.D

Acq: 21 Jan 2019 21:18

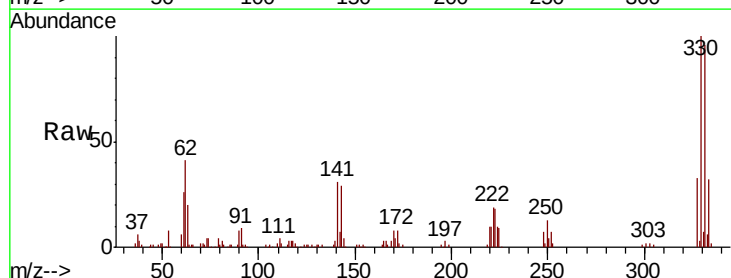
Tgt Ion:330 Resp: 99187

Ion Ratio Lower Upper

330 100

332 95.5 75.7 113.5

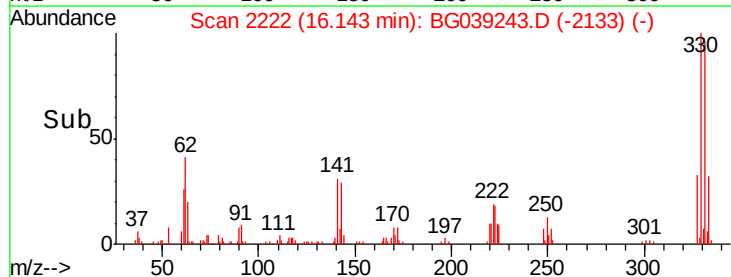
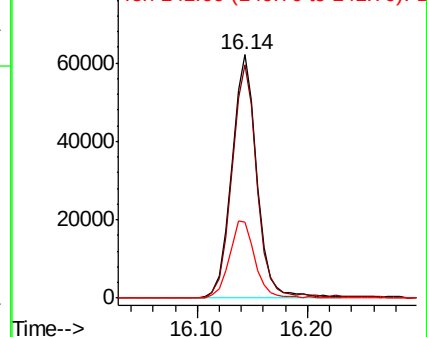
141 32.4 24.9 37.3

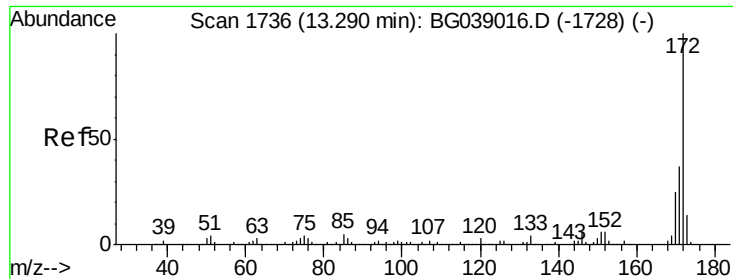


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

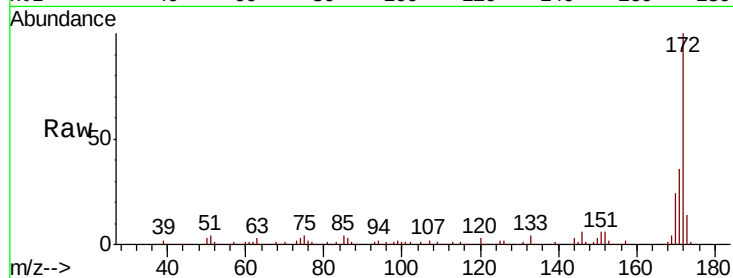




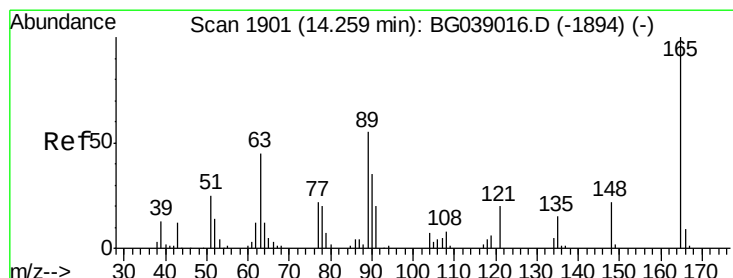
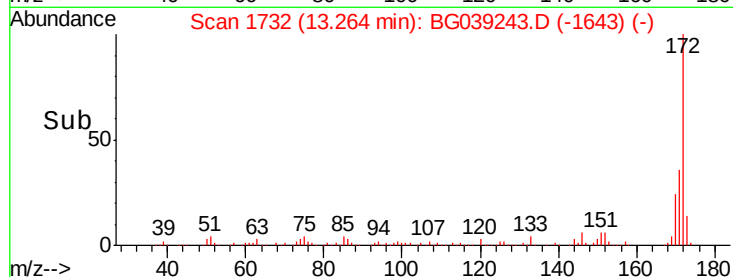
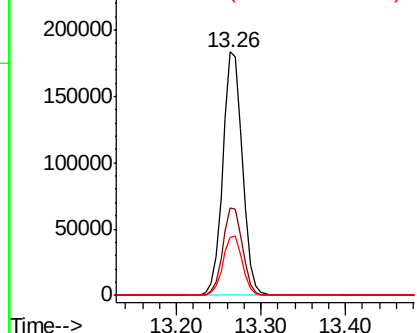
#45
 2-Fluorobiphenyl
 Concen: 84.715 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.01 min
 Lab File: BG039243.D
 Acq: 21 Jan 2019 21:18

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-011819-B

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.0
170	23.6	20.1	30.1

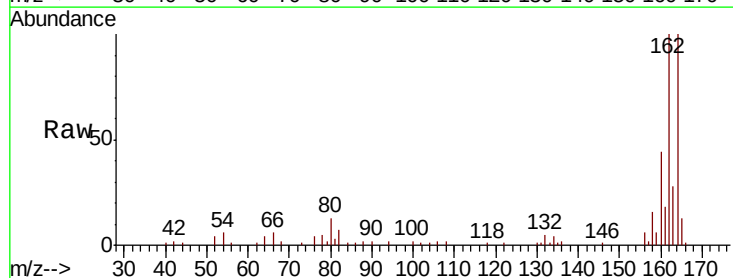


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

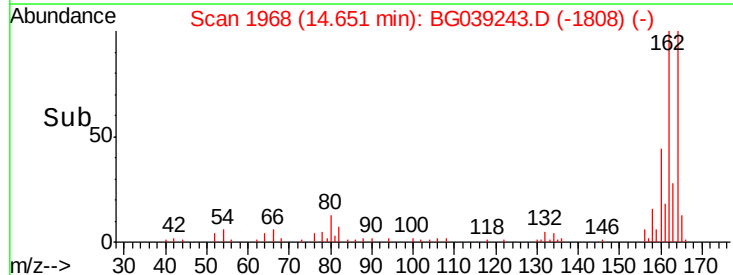
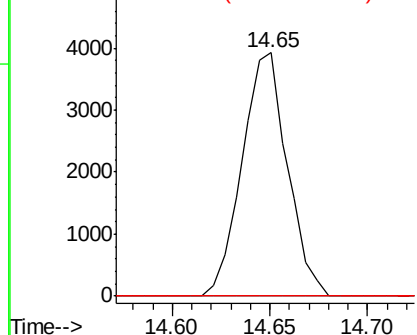


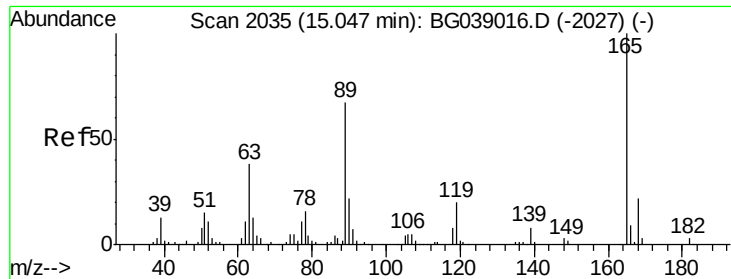
#51
 2,6-Dinitrotoluene
 Concen: 7.001 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. 0.41 min
 Lab File: BG039243.D
 Acq: 21 Jan 2019 21:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.6	65.4#
89	0.0	43.7	65.5#



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

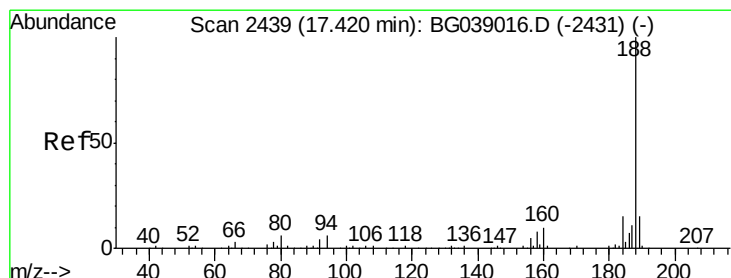
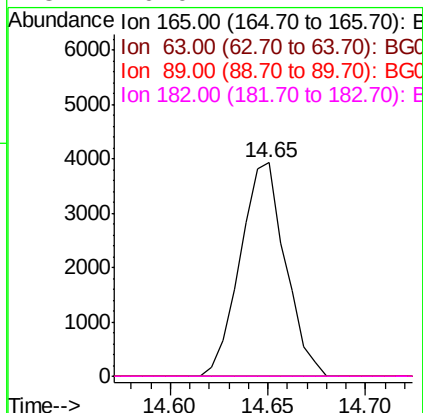
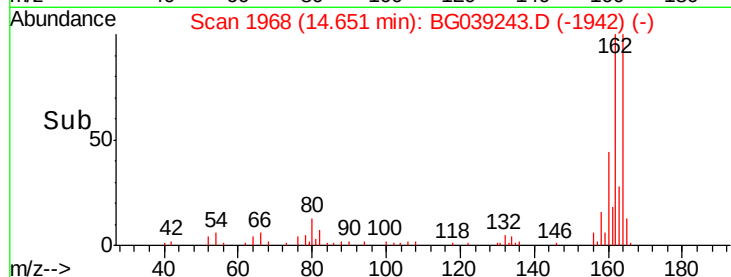
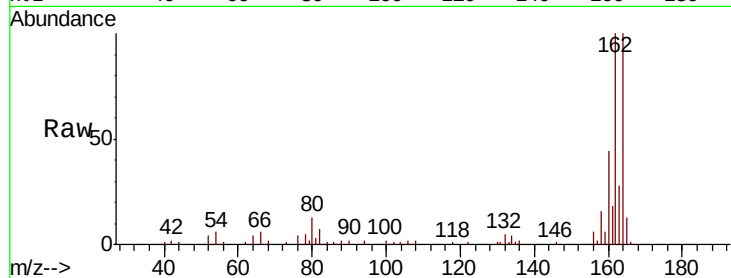




#57
 2,4-Dinitrotoluene
 Concen: 4.880 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.38 min
 Lab File: BG039243.D
 Acq: 21 Jan 2019 21:18

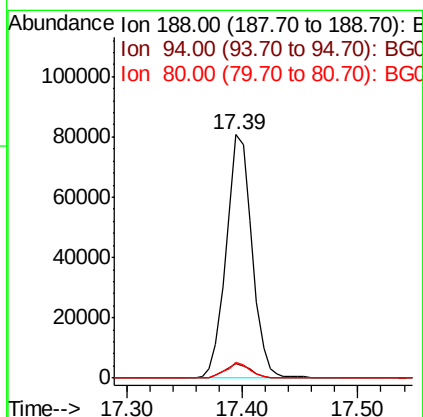
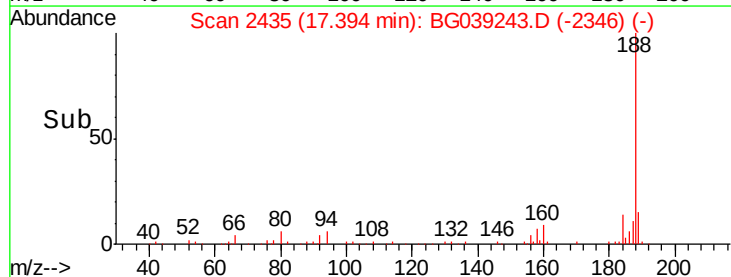
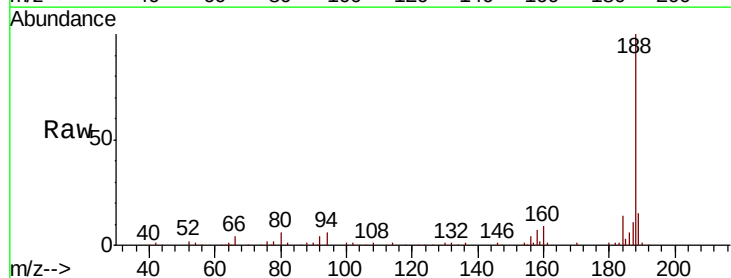
Instrument :
 BNA_G
 ClientSampleId :
 CL-01-011819-B

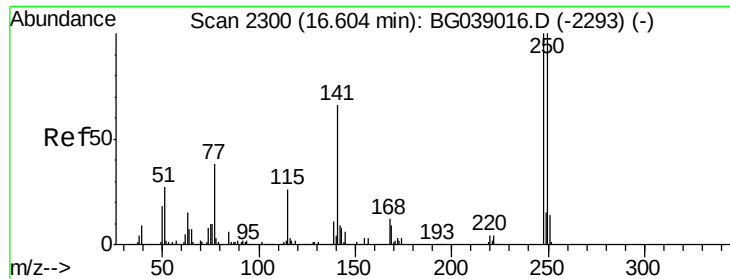
Tgt Ion:	165	Resp:	6293
Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.2	45.4#
89	0.0	53.2	79.8#
182	0.0	2.7	4.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG039243.D
 Acq: 21 Jan 2019 21:18

Tgt Ion:	188	Resp:	124567
Ion	Ratio	Lower	Upper
188	100		
94	6.0	5.0	7.4
80	6.4	4.7	7.1

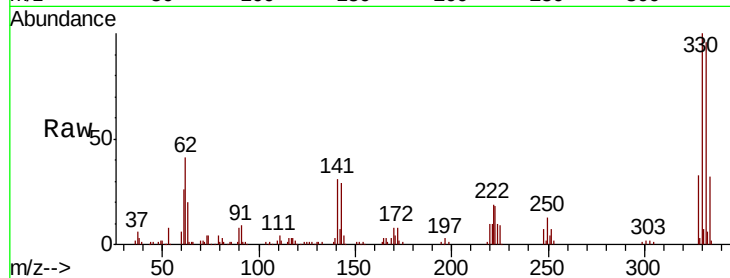




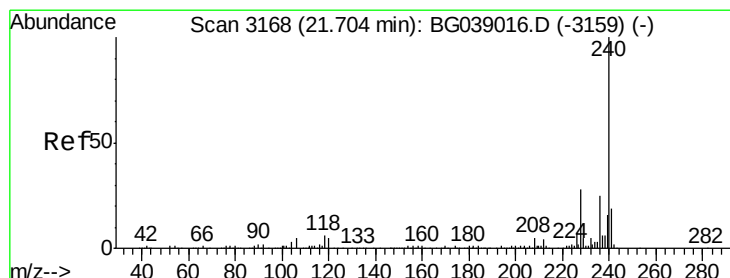
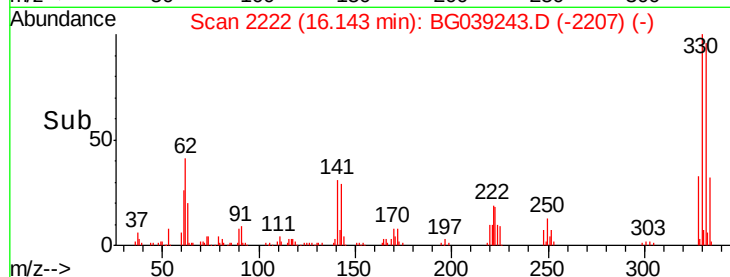
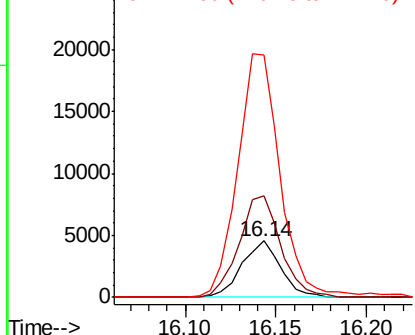
#67
 4-Bromophenyl-phenylether
 Concen: 4.244 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.44 min
 Lab File: BG039243.D
 Acq: 21 Jan 2019 21:18

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-011819-B

Tgt Ion:248 Resp: 6795
 Ion Ratio Lower Upper
 248 100
 250 187.7 79.9 119.9#
 141 342.5 52.7 79.1#

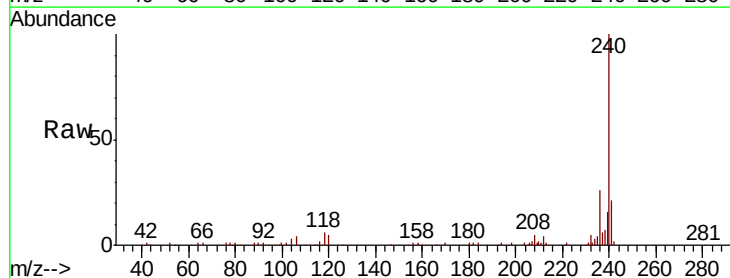


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

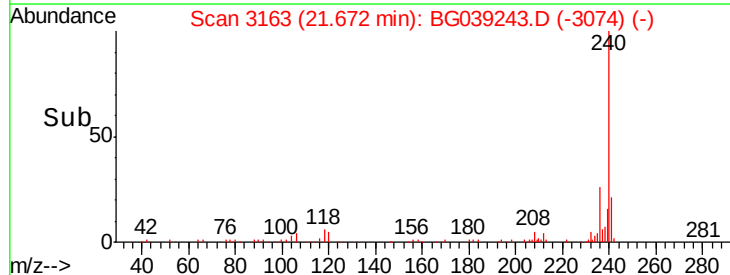
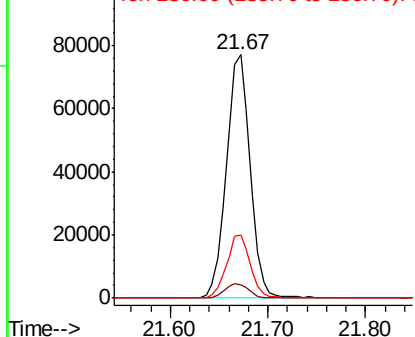


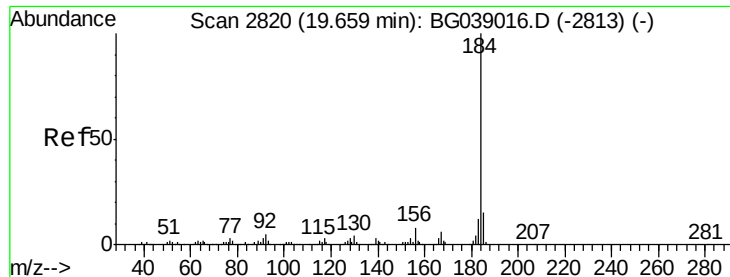
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3163
 Delta R.T. -0.01 min
 Lab File: BG039243.D
 Acq: 21 Jan 2019 21:18

Tgt Ion:240 Resp: 130371
 Ion Ratio Lower Upper
 240 100
 120 5.5 4.3 6.5
 236 25.9 20.1 30.1



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: 2.332 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.36 min

Lab File: BG039243.D

Acq: 21 Jan 2019 21:18

Instrument :

BNA_G

ClientSampleId :

CL-01-011819-B

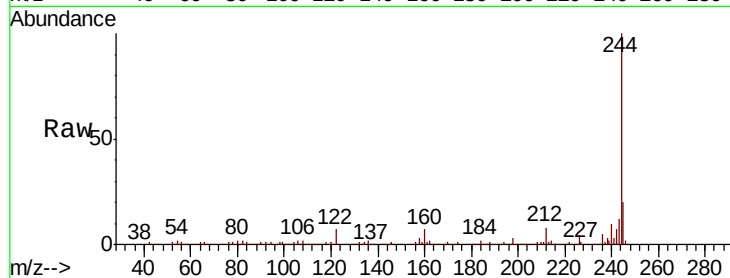
Tgt Ion:184 Resp: 9297

Ion Ratio Lower Upper

184 100

185 16.7 12.1 18.1

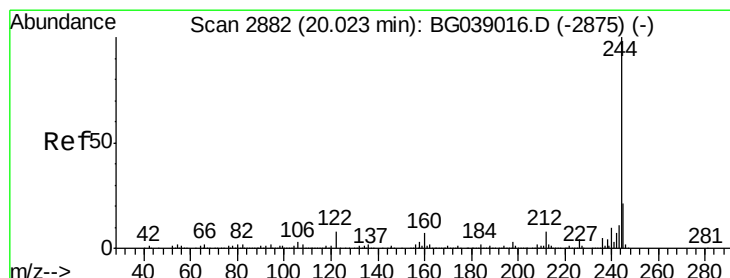
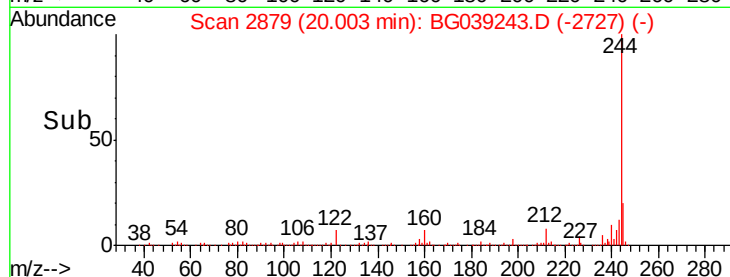
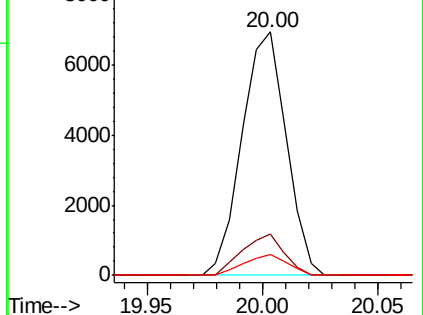
183 8.4 9.5 14.3#



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: 85.764 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.00 min

Lab File: BG039243.D

Acq: 21 Jan 2019 21:18

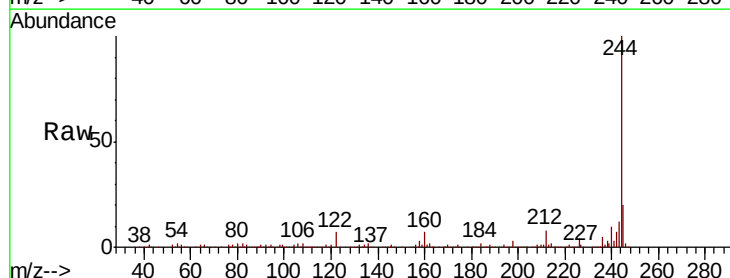
Tgt Ion:244 Resp: 604418

Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

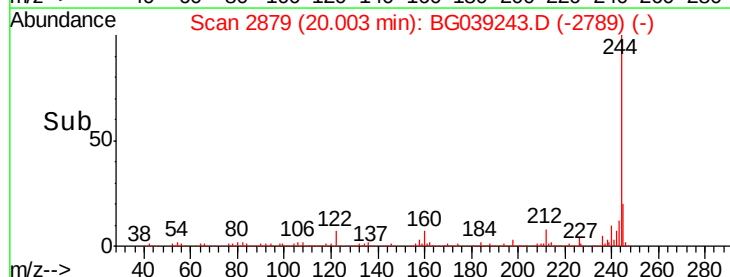
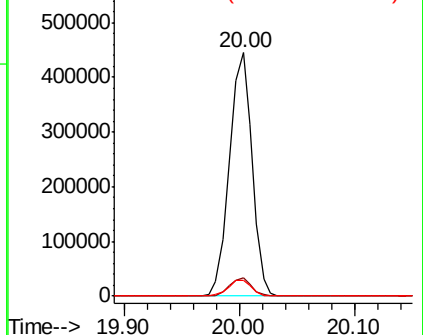
122 6.5 6.1 9.1

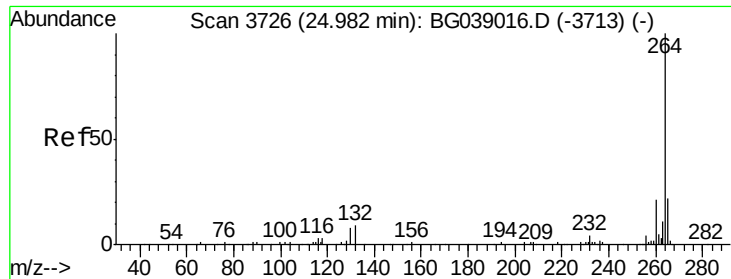


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.93 min Scan# 3717
 Delta R.T. -0.02 min
 Lab File: BG039243.D
 Acq: 21 Jan 2019 21:18

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-011819-B

Tgt Ion:	264	Resp:	136954
Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.0	25.6
265	22.1	17.2	25.8

