

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022719\
 Data File : BG039647.D
 Acq On : 27 Feb 2019 23:15
 Operator : JU/SJ
 Sample : PB117445TB
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB117445TB

Quant Time: Feb 28 00:01:53 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

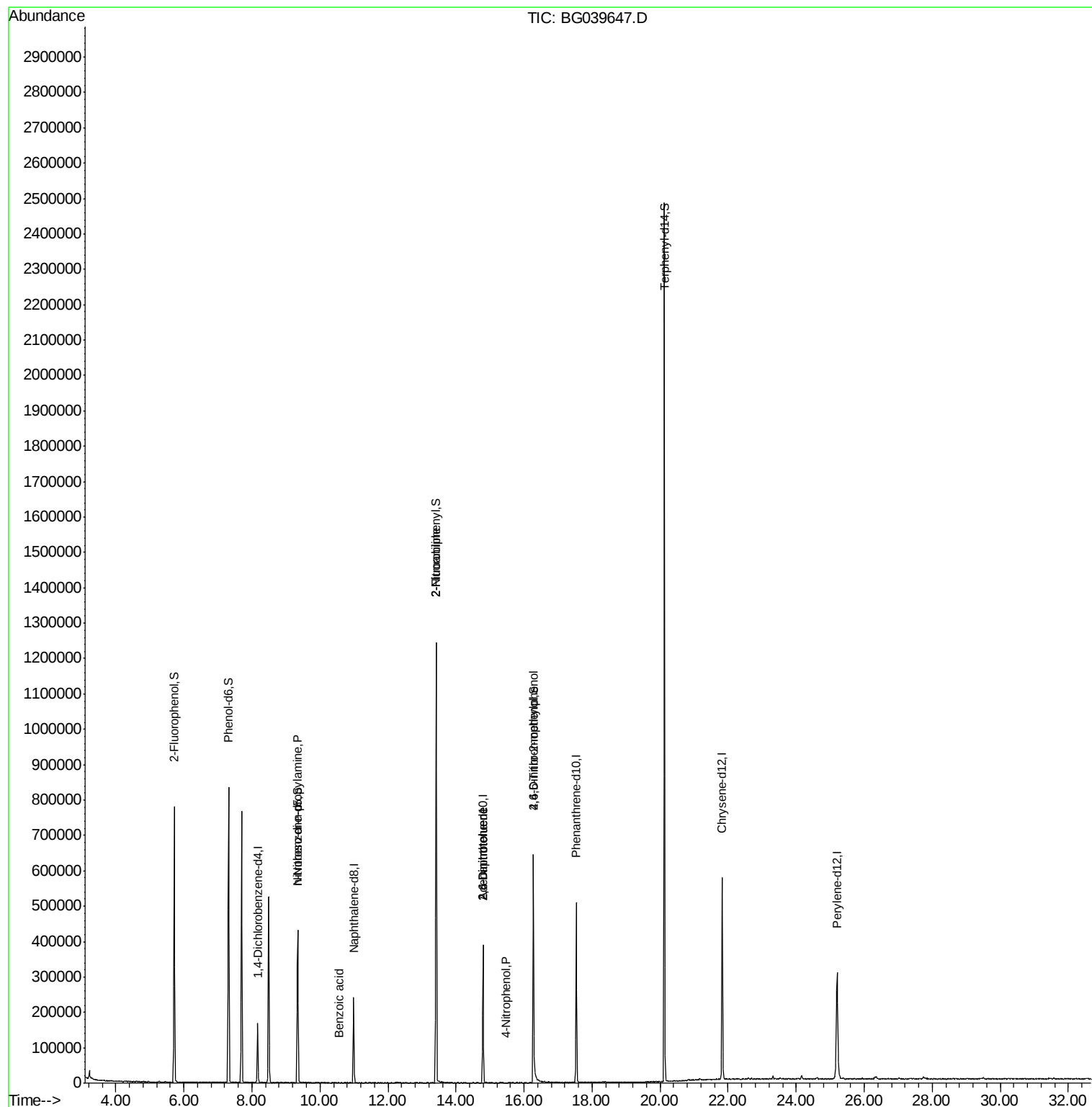
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	47713	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	204082	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	134874	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	330920	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	361534	20.00	ng	-0.03
87) Perylene-d12	25.20	264	357114	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	336240	120.61	ng	0.00
7) Phenol-d6	7.31	99	472791	115.22	ng	0.00
23) Nitrobenzene-d5	9.34	82	266474	81.57	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	132234	91.05	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	682718	72.62	ng	-0.02
79) Terphenyl-d14	20.12	244	1130726	66.20	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.31	77	735	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.34	70	35296	12.119 ng	#	4
32) Benzoic acid	10.55	122	62	9.047 ng	#	1
48) 2-Nitroaniline	13.41	65	1149	8.688 ng	#	1
51) 2,6-Dinitrotoluene	14.79	165	17296	13.894 ng	#	25
56) 4-Nitrophenol	15.46	139	61	5.823 ng	#	1
57) 2,4-Dinitrotoluene	14.79	165	17296	13.376 ng	#	20
65) 4,6-Dinitro-2-methylphenol	16.28	198	504	4.663 ng	#	25

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

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Quant Time: Feb 28 00:01:53 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.17 min Scan# 865

Delta R.T. -0.01 min

Lab File: BG039647.D

Acq: 27 Feb 2019 23:15

Instrument :

BNA_G

ClientSampleId :

PB117445TB

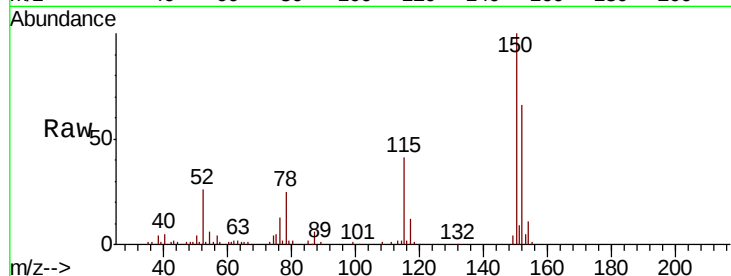
Tgt Ion:152 Resp: 47713

Ion Ratio Lower Upper

152 100

150 152.4 123.7 185.5

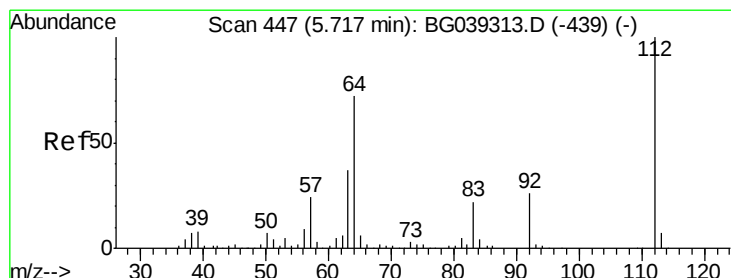
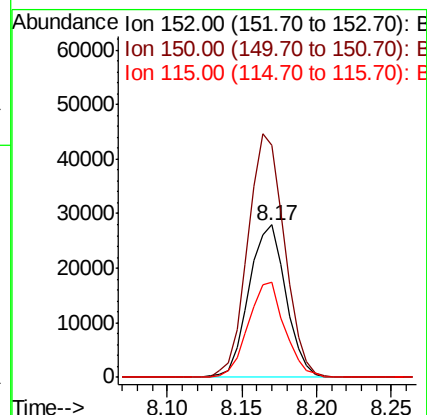
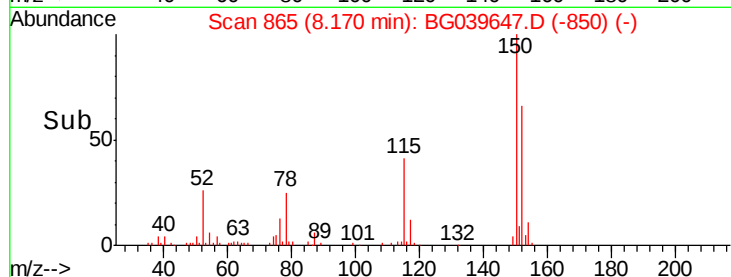
115 62.5 45.9 68.9



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: 120.612 ng

RT: 5.71 min Scan# 447

Delta R.T. -0.00 min

Lab File: BG039647.D

Acq: 27 Feb 2019 23:15

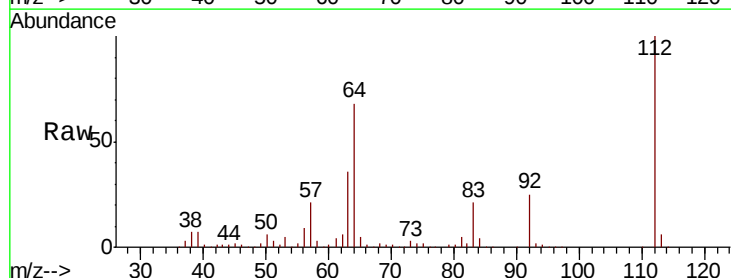
Tgt Ion:112 Resp: 336240

Ion Ratio Lower Upper

112 100

64 68.2 57.8 86.8

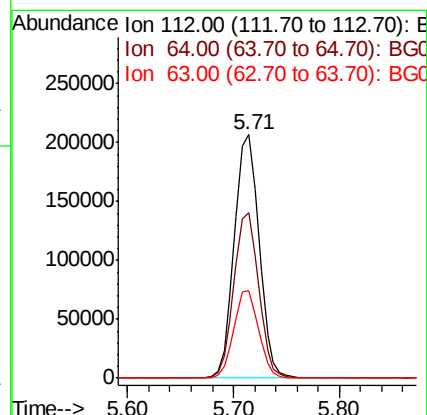
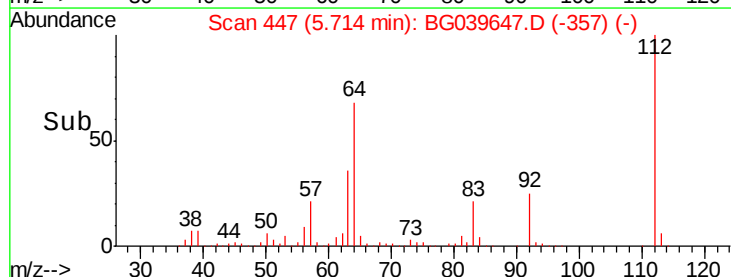
63 35.7 29.8 44.6

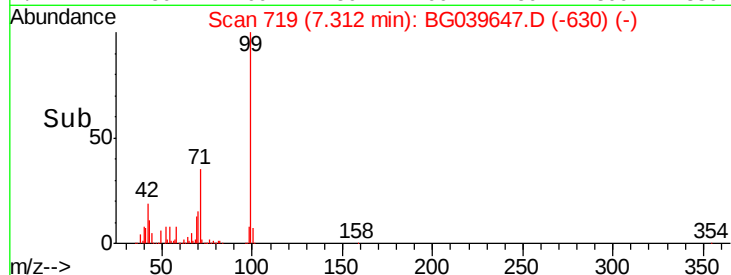
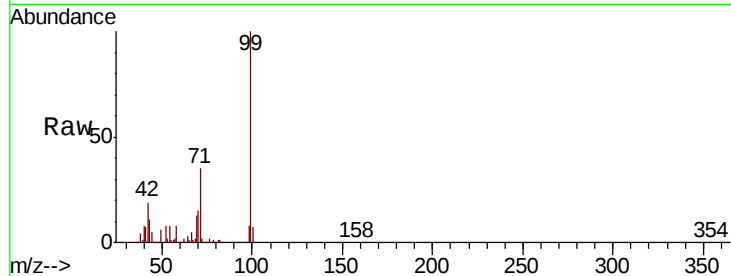
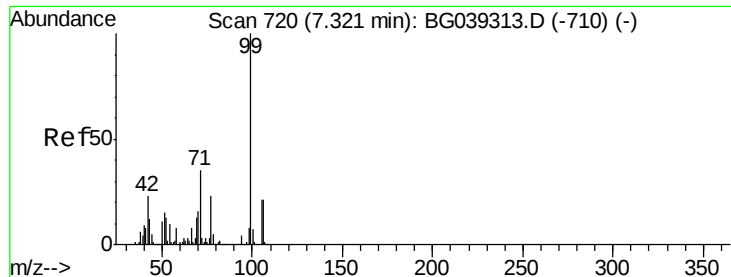


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 115.216 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039647.D

Acq: 27 Feb 2019 23:15

Instrument :

BNA_G

ClientSampleId :

PB117445TB

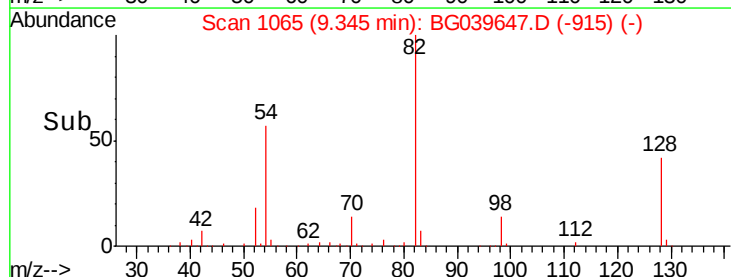
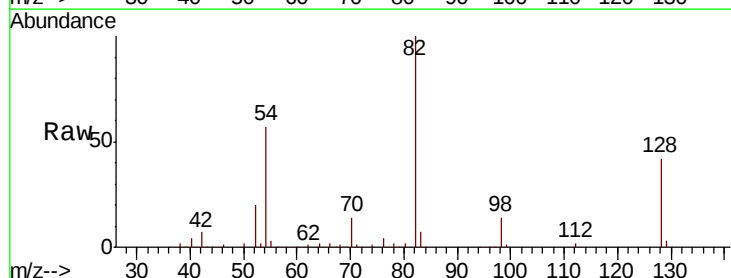
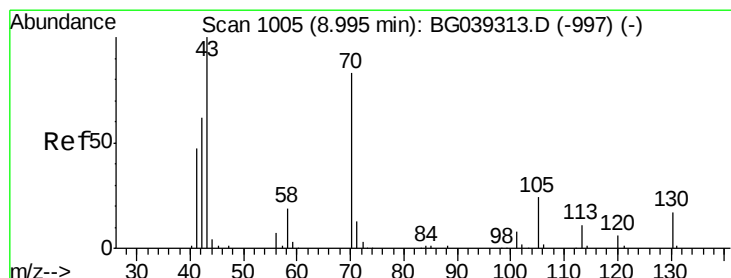
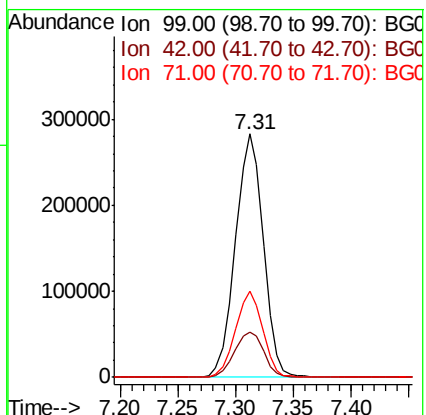
Tgt Ion: 99 Resp: 472791

Ion Ratio Lower Upper

99 100

42 18.6 18.2 27.2

71 35.3 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.119 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039647.D

Acq: 27 Feb 2019 23:15

Tgt Ion: 70 Resp: 35296

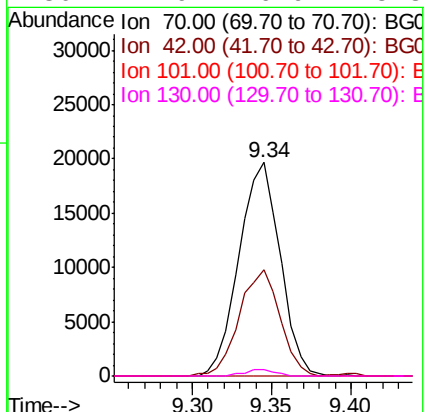
Ion Ratio Lower Upper

70 100

42 49.6 60.4 90.6#

101 0.0 7.5 11.3#

130 2.9 16.9 25.3#

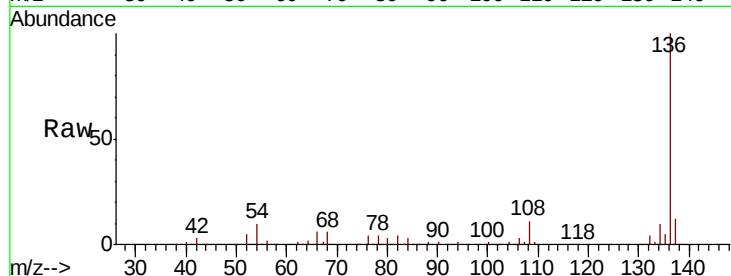




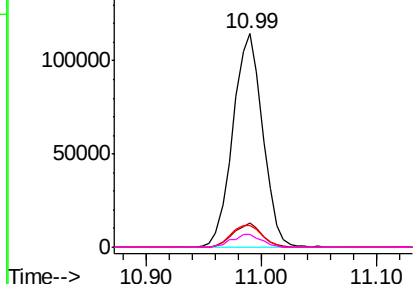
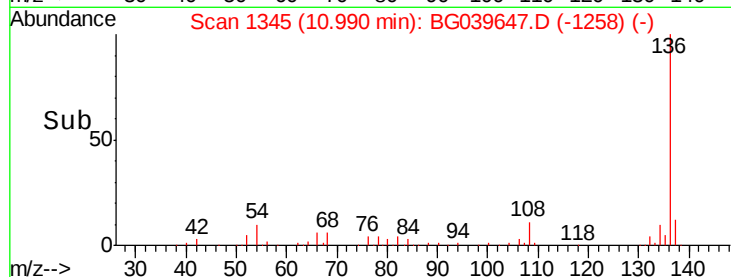
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039647.D
Acq: 27 Feb 2019 23:15

Instrument :
BNA_G
ClientSampleId :
PB117445TB

Tgt Ion:	136	Resp:	204082
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	10.4	9.4	14.2
68	5.7	4.2	6.4

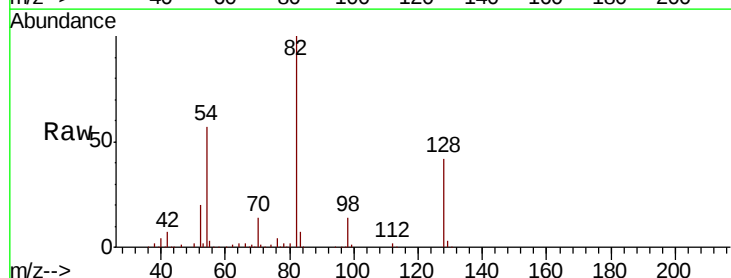


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

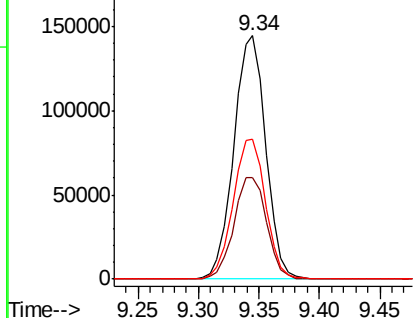
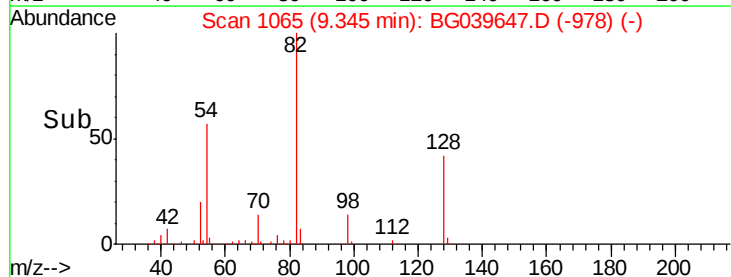


#23
Nitrobenzene-d5
Concen: 81.570 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039647.D
Acq: 27 Feb 2019 23:15

Tgt Ion:	82	Resp:	266474
Ion	Ratio	Lower	Upper
82	100		
128	41.9	31.3	46.9
54	57.3	50.9	76.3



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

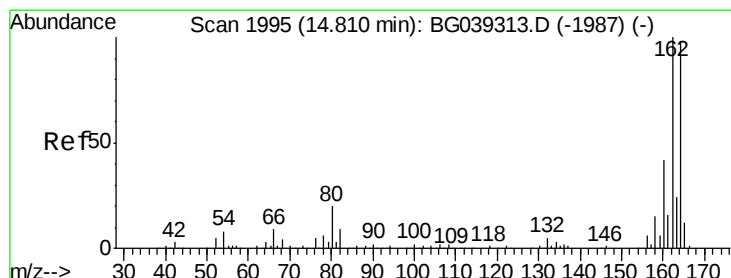
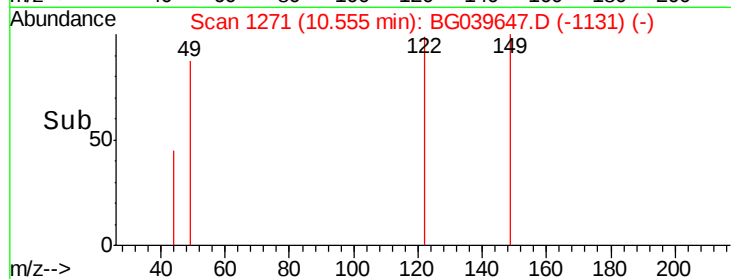
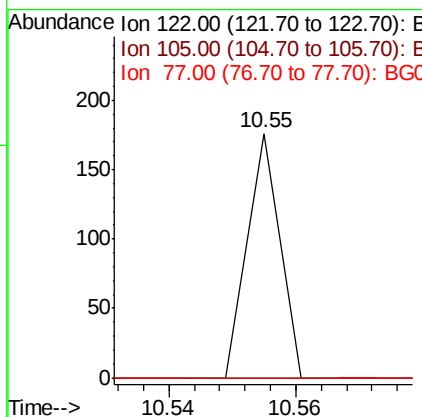
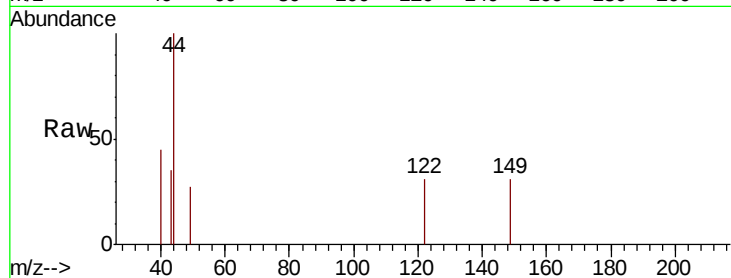




#32
Benzoic acid
Concen: 9.047 ng
RT: 10.55 min Scan# 1271
Delta R.T. 0.29 min
Lab File: BG039647.D
Acq: 27 Feb 2019 23:15

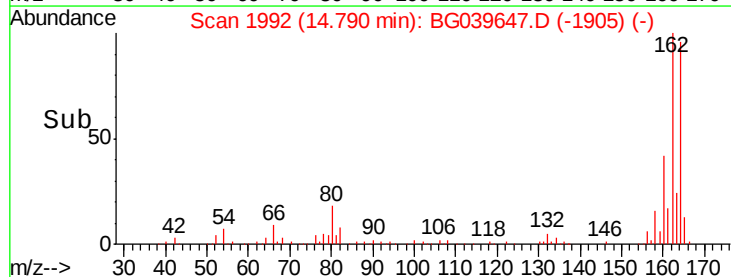
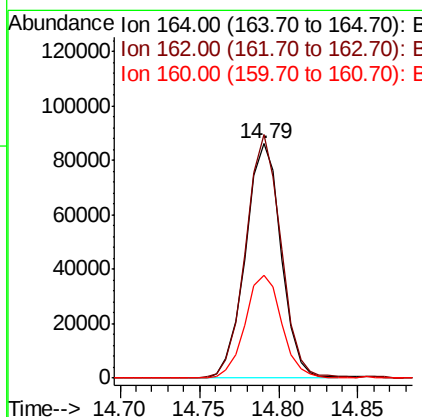
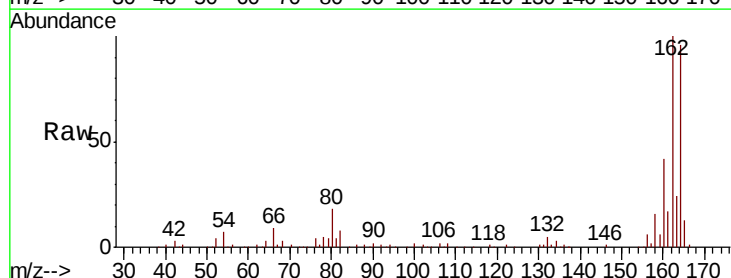
Instrument :
BNA_G
ClientSampleId :
PB117445TB

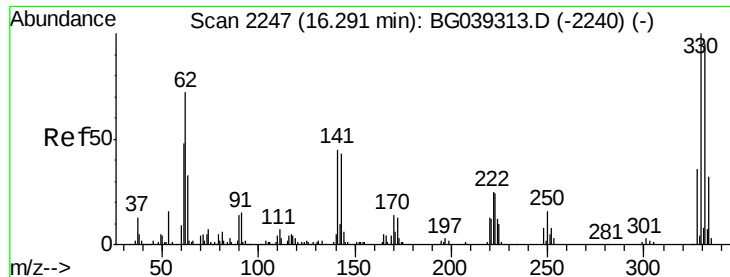
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	76.3	116.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BG039647.D
Acq: 27 Feb 2019 23:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	81.6	122.4
160	43.8	34.2	51.2





#42

2,4,6-Tribromophenol

Concen: 91.048 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039647.D

Acq: 27 Feb 2019 23:15

Instrument :

BNA_G

ClientSampleId :

PB117445TB

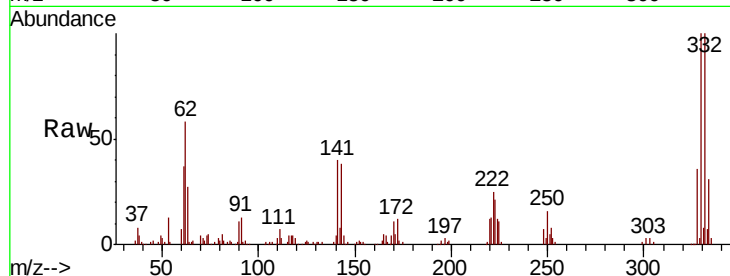
Tgt Ion:330 Resp: 132234

Ion Ratio Lower Upper

330 100

332 96.2 75.7 113.5

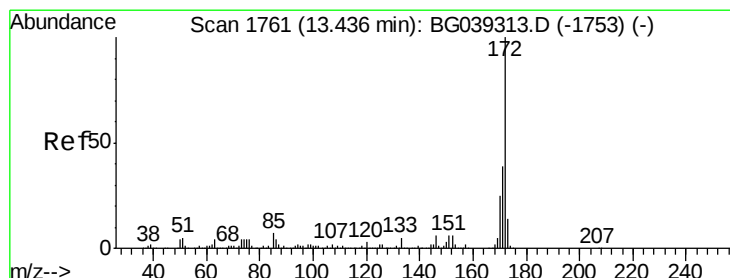
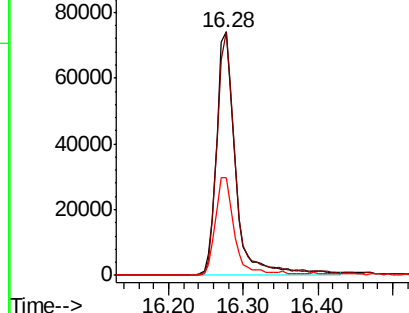
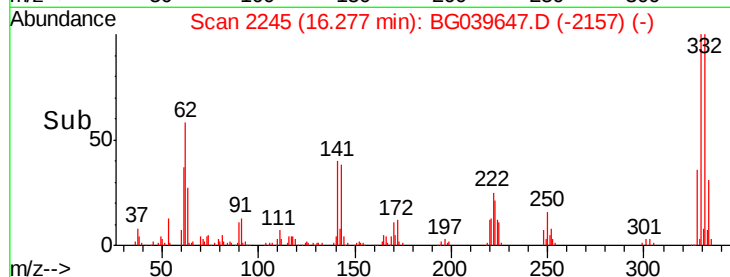
141 39.6 35.6 53.4



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: 72.615 ng

RT: 13.42 min Scan# 1758

Delta R.T. -0.02 min

Lab File: BG039647.D

Acq: 27 Feb 2019 23:15

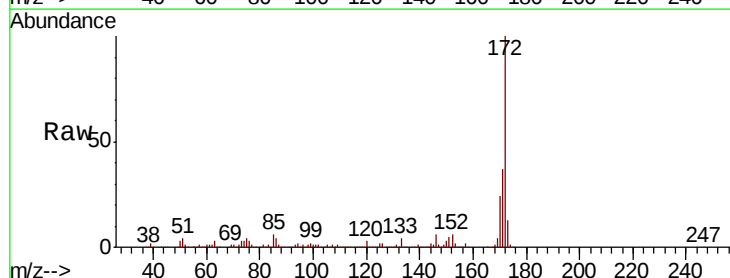
Tgt Ion:172 Resp: 682718

Ion Ratio Lower Upper

172 100

171 37.3 30.8 46.2

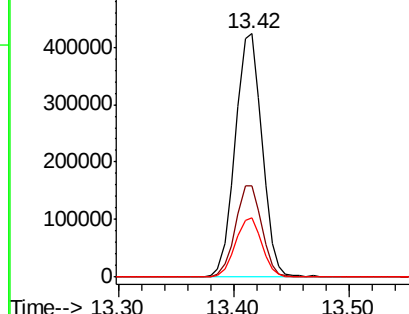
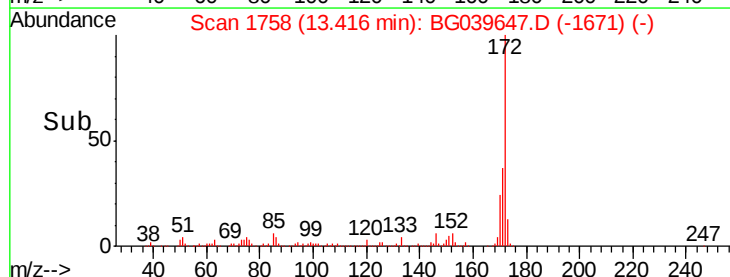
170 24.3 20.2 30.4

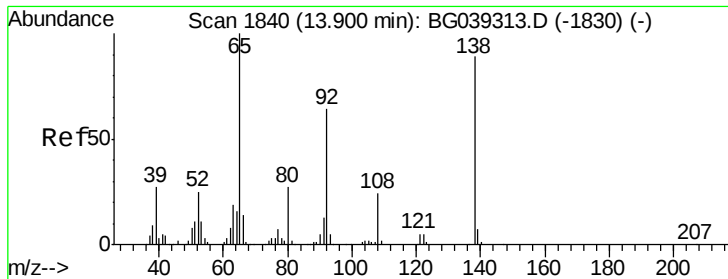


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

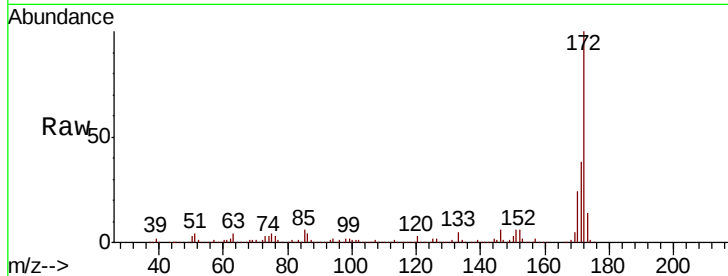




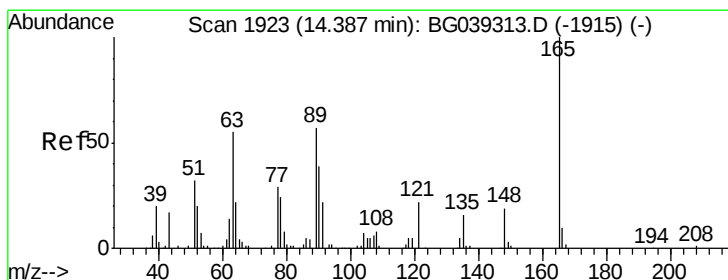
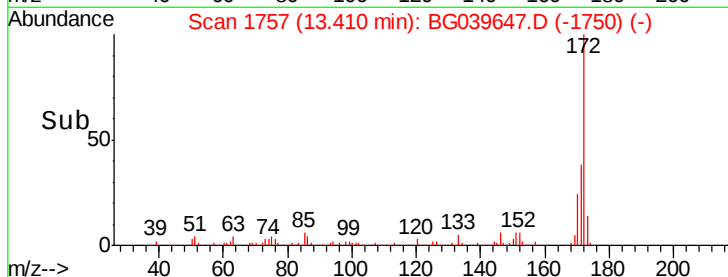
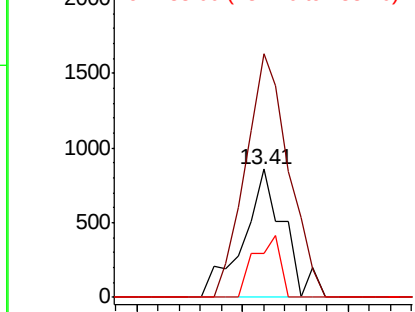
#48
 2-Nitroaniline
 Concen: 8.688 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.49 min
 Lab File: BG039647.D
 Acq: 27 Feb 2019 23:15

Instrument :
 BNA_G
 ClientSampleId :
 PB117445TB

Tgt Ion: 65 Resp: 1149
 Ion Ratio Lower Upper
 65 100
 92 190.0 51.4 77.2#
 138 34.5 71.4 107.2#

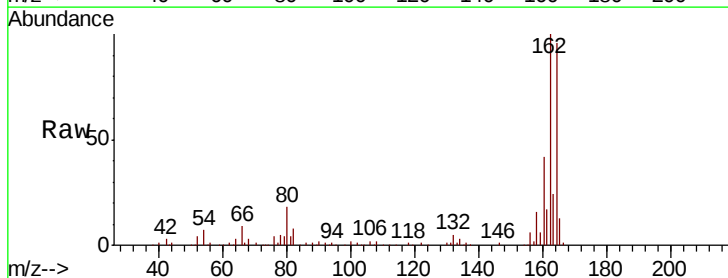


Abundance Ion 65.00 (64.70 to 65.70): BGC
 Ion 92.00 (91.70 to 92.70): BGC
 Ion 138.00 (137.70 to 138.70): BGC

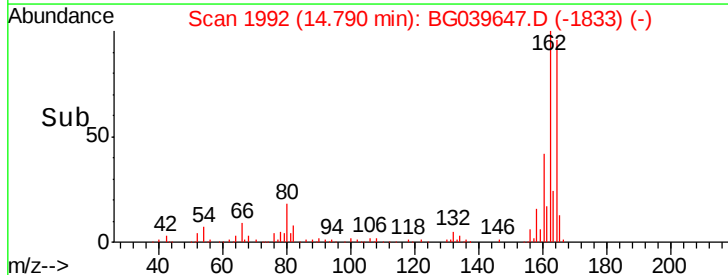
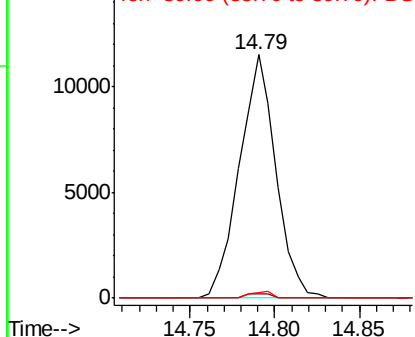


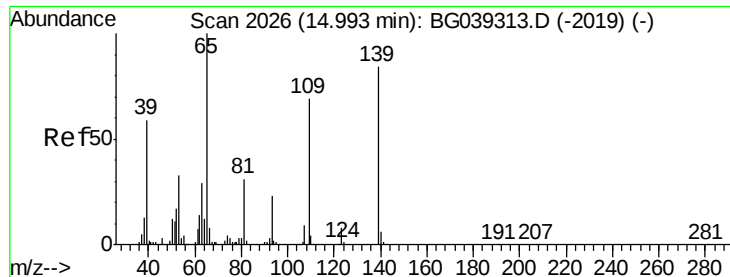
#51
 2,6-Dinitrotoluene
 Concen: 13.894 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. 0.40 min
 Lab File: BG039647.D
 Acq: 27 Feb 2019 23:15

Tgt Ion: 165 Resp: 17296
 Ion Ratio Lower Upper
 165 100
 63 2.0 47.0 70.6#
 89 2.2 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: 5.823 ng

RT: 15.46 min Scan# 2106

Delta R.T. 0.47 min

Lab File: BG039647.D

Acq: 27 Feb 2019 23:15

Instrument :

BNA_G

ClientSampleId :

PB117445TB

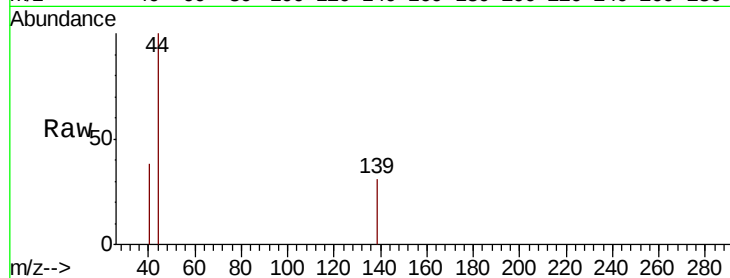
Tgt Ion:139 Resp: 61

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

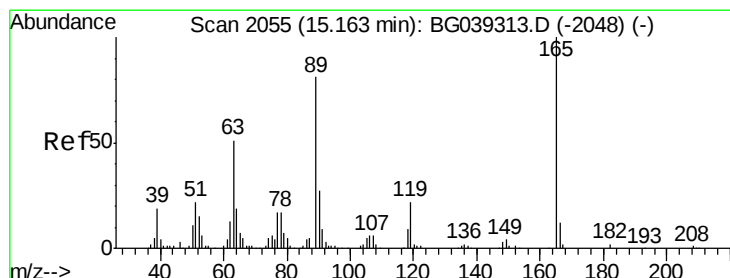
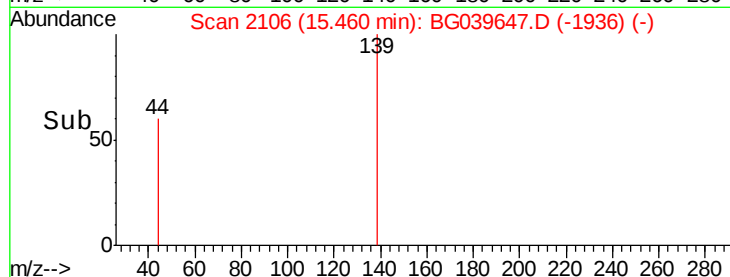
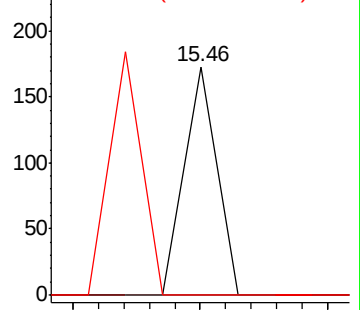
65 0.0 99.1 139.1#



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



#57

2,4-Dinitrotoluene

Concen: 13.376 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039647.D

Acq: 27 Feb 2019 23:15

Tgt Ion:165 Resp: 17296

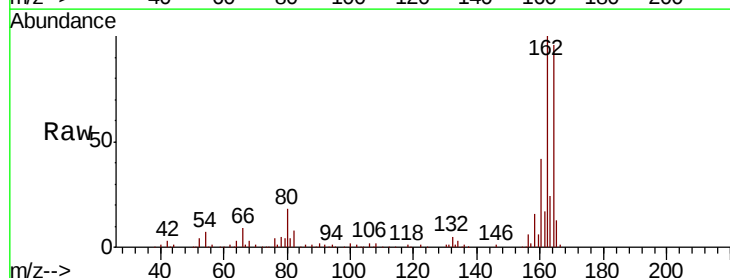
Ion Ratio Lower Upper

165 100

63 2.0 41.0 61.6#

89 2.2 64.6 96.8#

182 0.0 2.0 3.0#

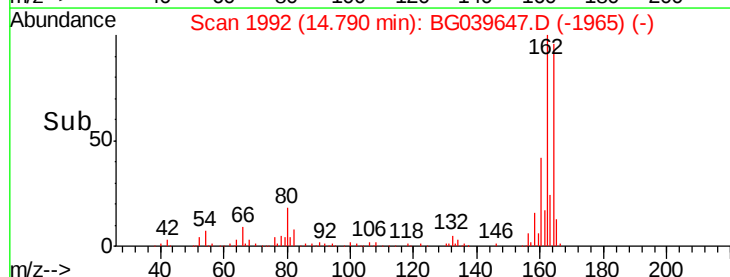
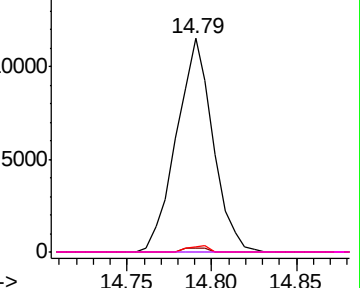


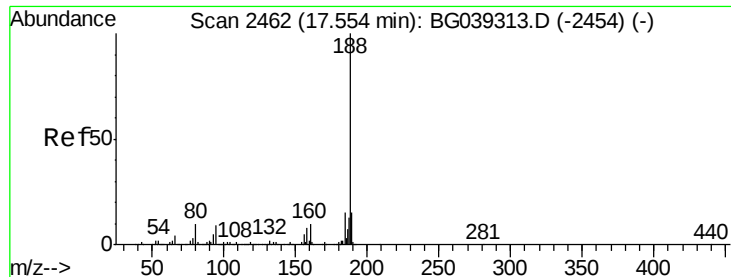
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039647.D

Acq: 27 Feb 2019 23:15

Instrument :

BNA_G

ClientSampleId :

PB117445TB

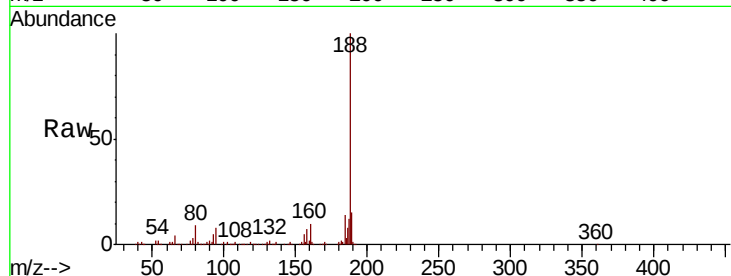
Tgt Ion:188 Resp: 330920

Ion Ratio Lower Upper

188 100

94 7.7 6.9 10.3

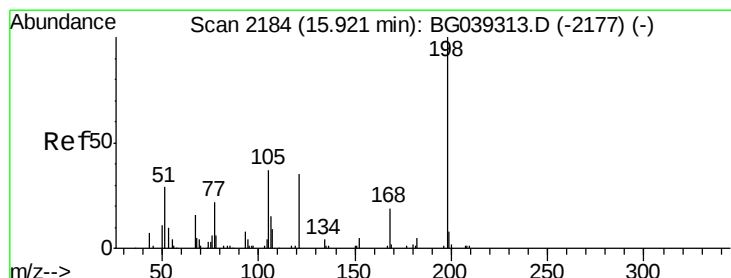
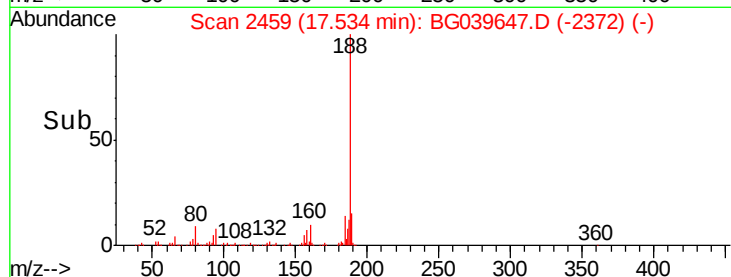
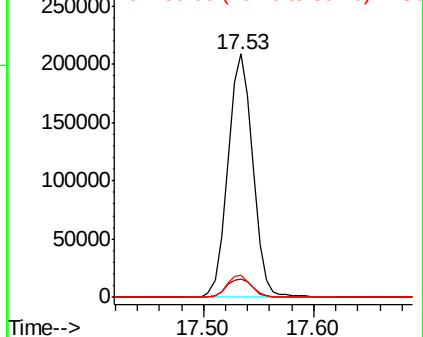
80 9.2 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#65

4,6-Dinitro-2-methylphenol

Concen: 4.663 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039647.D

Acq: 27 Feb 2019 23:15

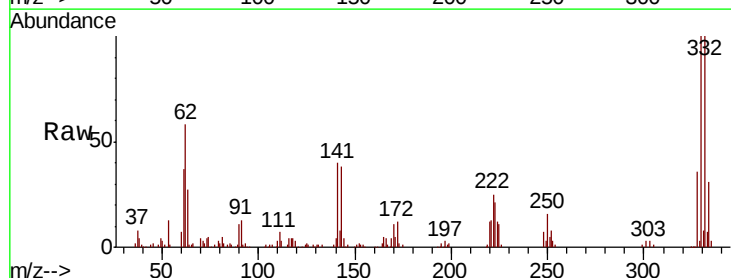
Tgt Ion:198 Resp: 504

Ion Ratio Lower Upper

198 100

51 101.9 27.4 67.4#

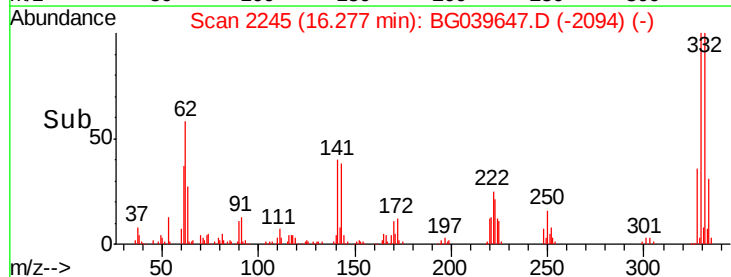
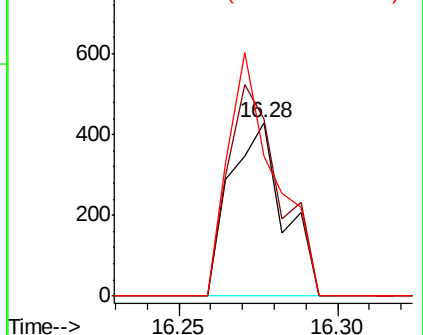
105 80.9 19.7 59.7#



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

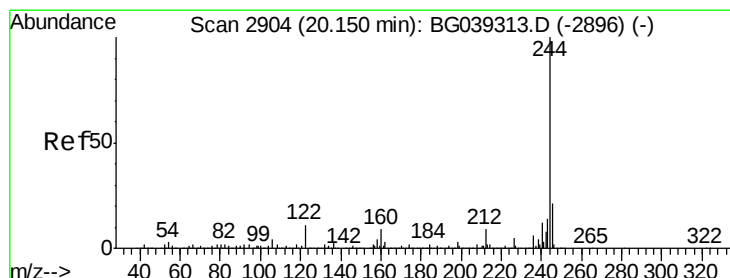
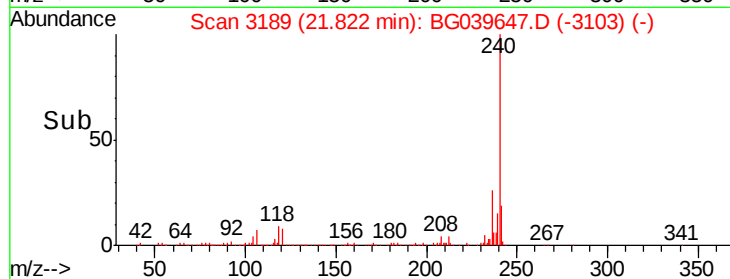
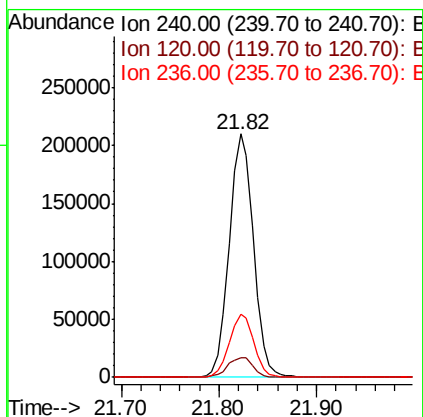
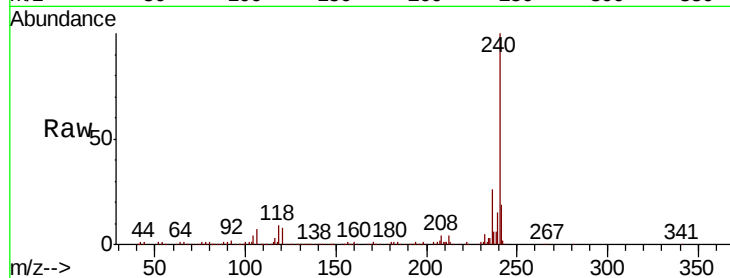




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3189
Delta R.T. -0.03 min
Lab File: BG039647.D
Acq: 27 Feb 2019 23:15

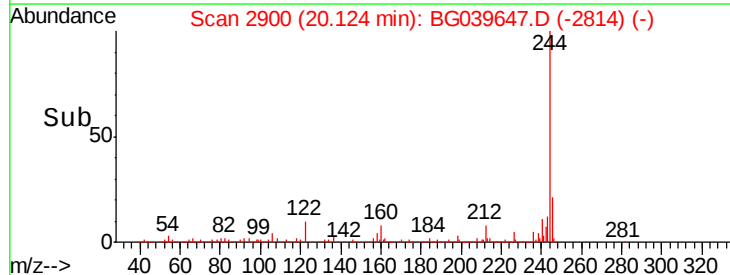
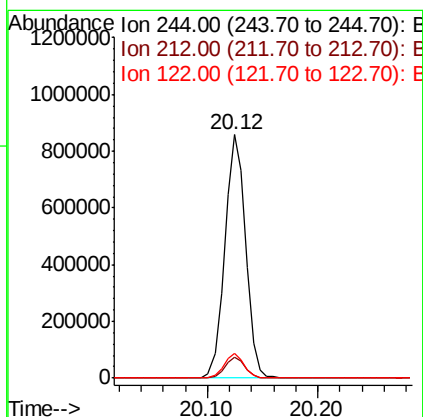
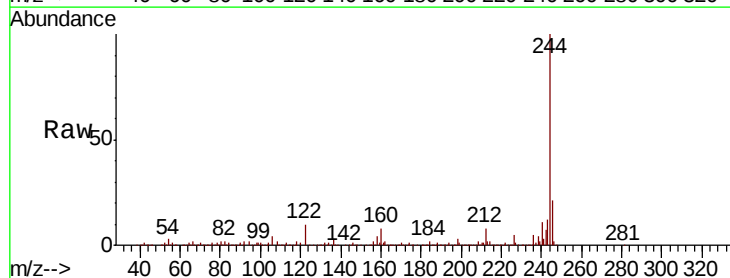
Instrument :
BNA_G
ClientSampleId :
PB117445TB

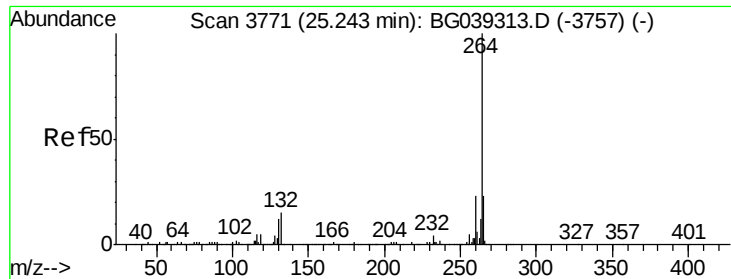
Tgt Ion:240 Resp: 361534
Ion Ratio Lower Upper
240 100
120 8.3 7.0 10.6
236 25.7 21.0 31.4



#79
Terphenyl-d14
Concen: 66.201 ng
RT: 20.12 min Scan# 2900
Delta R.T. -0.03 min
Lab File: BG039647.D
Acq: 27 Feb 2019 23:15

Tgt Ion:244 Resp: 1130726
Ion Ratio Lower Upper
244 100
212 8.5 7.3 10.9
122 10.1 8.4 12.6





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.20 min Scan# 3764
Delta R.T. -0.04 min
Lab File: BG039647.D
Acq: 27 Feb 2019 23:15

Instrument :
BNA_G
ClientSampleId :
PB117445TB

Tgt Ion: 264 Resp: 357114
Ion Ratio Lower Upper
264 100
260 24.3 18.2 27.4
265 21.9 18.5 27.7

