

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021219\
 Data File : BG039479.D
 Acq On : 13 Feb 2019 1:11
 Operator : JU/SJ
 Sample : K1345-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HD-02-021119

Quant Time: Feb 13 06:57:46 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

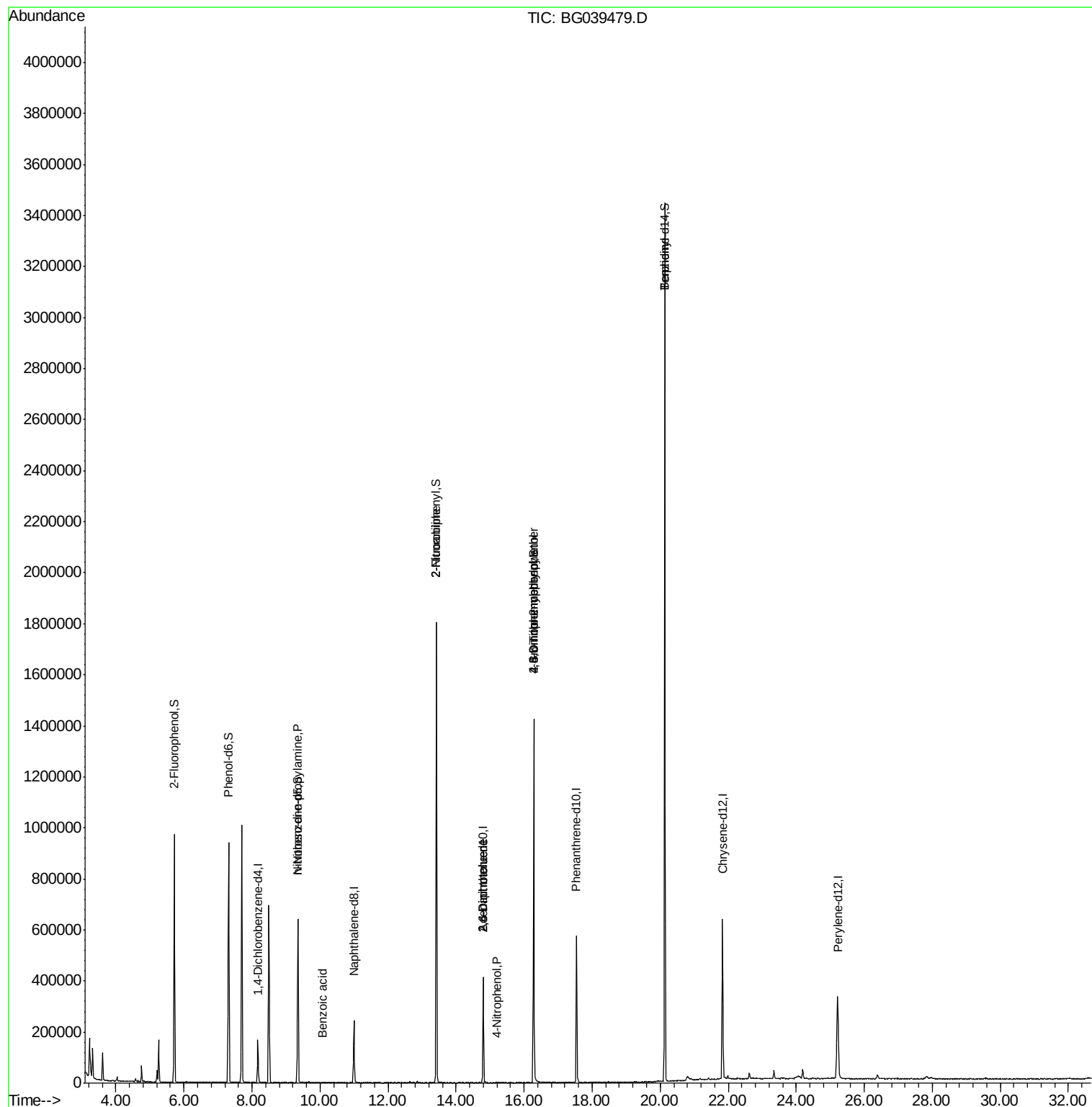
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	46562	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	206778	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	145743	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	361404	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	379622	20.00	ng	-0.01
87) Perylene-d12	25.22	264	375666	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	404099	148.54	ng	0.00
7) Phenol-d6	7.31	99	539366	134.69	ng	0.00
23) Nitrobenzene-d5	9.35	82	377240	113.97	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	252300	160.76	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	938607	92.39	ng	-0.01
79) Terphenyl-d14	20.14	244	1555967	86.76	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.31	77	993	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.35	70	49710	17.490 ng	#	4
32) Benzoic acid	10.07	122	59	9.046 ng	#	71
48) 2-Nitroaniline	13.42	65	1471	8.761 ng	#	1
51) 2,6-Dinitrotoluene	14.80	165	19184	14.088 ng	#	1
56) 4-Nitrophenol	15.19	139	367	5.954 ng	#	23
57) 2,4-Dinitrotoluene	14.80	165	19184	13.523 ng	#	1
65) 4,6-Dinitro-2-methylphenol	16.28	198	784	4.870 ng	#	18
67) 4-Bromophenyl-phenylether	16.28	248	19789	4.936 ng	#	16
77) Benzidine	20.14	184	26984	2.168 ng	#	1
					#	92

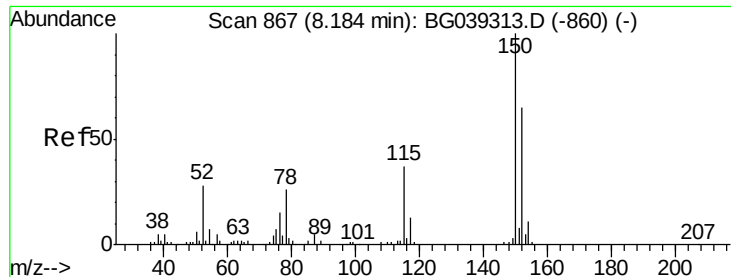
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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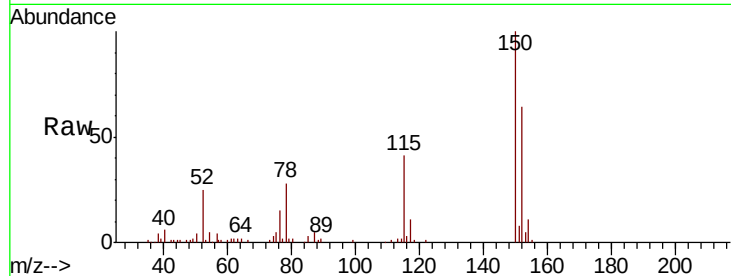


#1

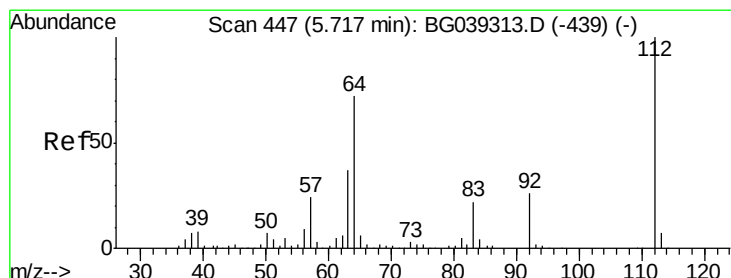
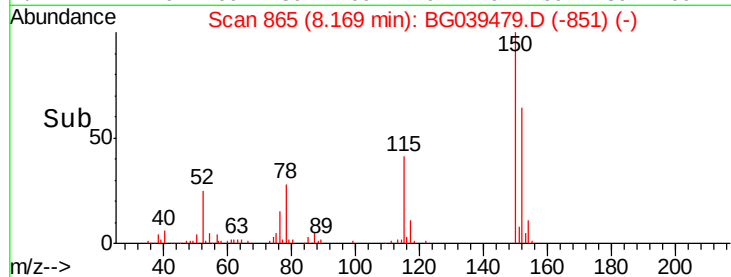
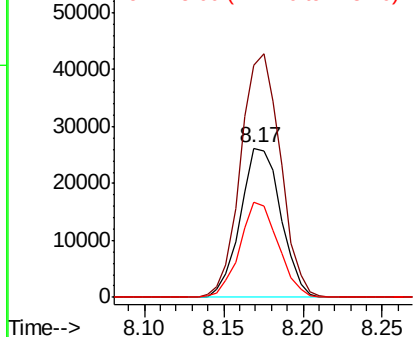
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039479.D
Acq: 13 Feb 2019 1:11

Instrument :
BNA_G
ClientSampleId :
HD-02-021119

Tgt Ion:152 Resp: 46562
Ion Ratio Lower Upper
152 100
150 155.7 123.7 185.5
115 63.8 45.9 68.9



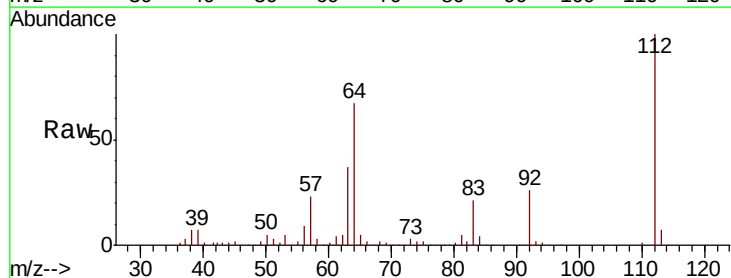
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



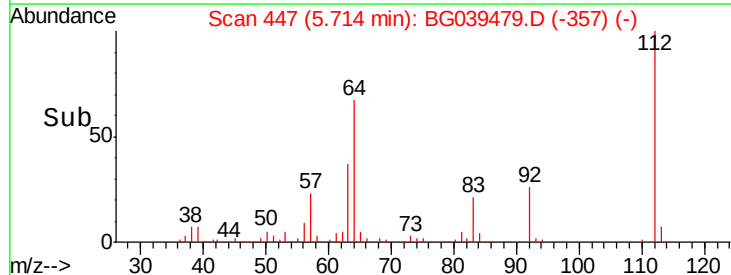
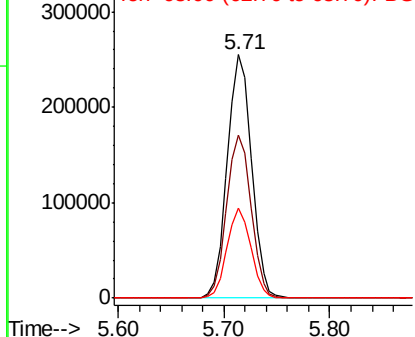
#5

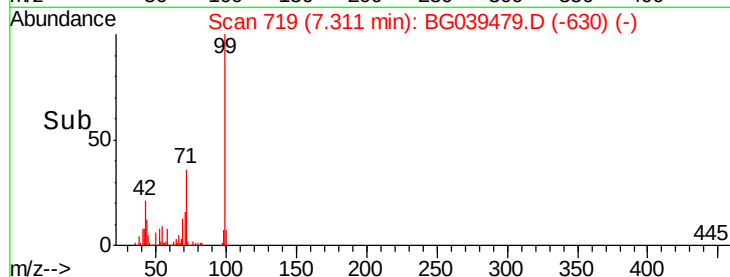
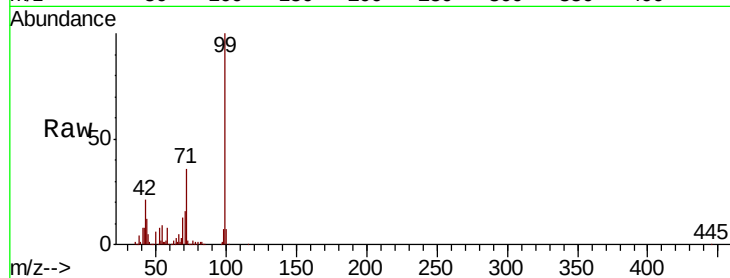
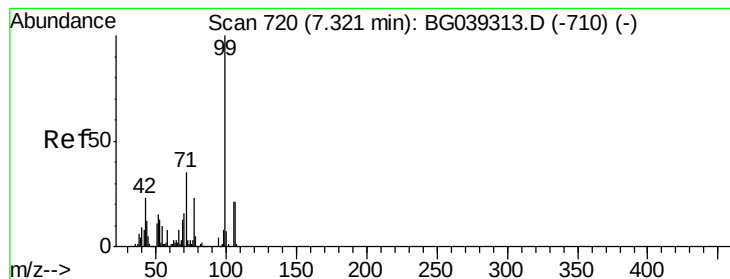
2-Fluorophenol
Concen: 148.537 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039479.D
Acq: 13 Feb 2019 1:11

Tgt Ion:112 Resp: 404099
Ion Ratio Lower Upper
112 100
64 66.9 57.8 86.8
63 36.9 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: 134.689 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039479.D

Acq: 13 Feb 2019 1:11

Instrument :

BNA_G

ClientSampleId :

HD-02-021119

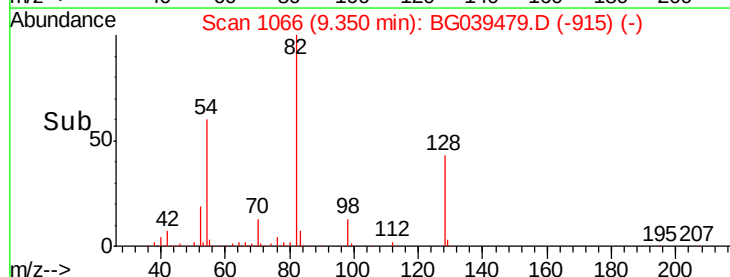
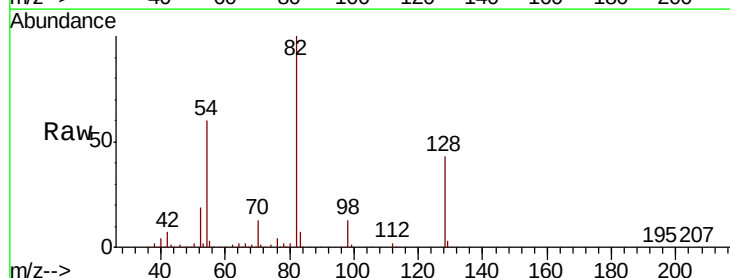
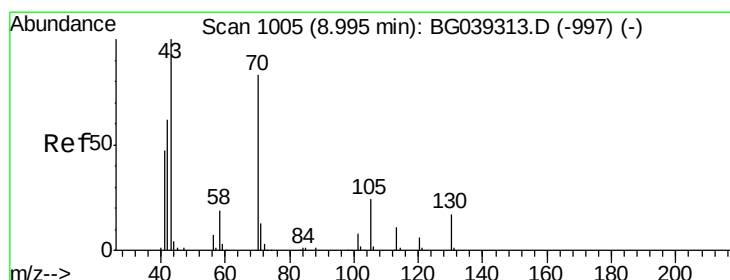
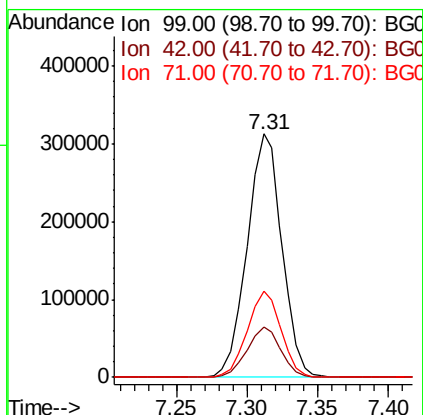
Tgt Ion: 99 Resp: 539366

Ion Ratio Lower Upper

99 100

42 20.6 18.2 27.2

71 35.7 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.490 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.36 min

Lab File: BG039479.D

Acq: 13 Feb 2019 1:11

Tgt Ion: 70 Resp: 49710

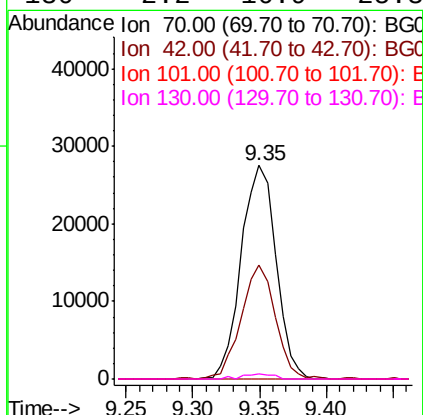
Ion Ratio Lower Upper

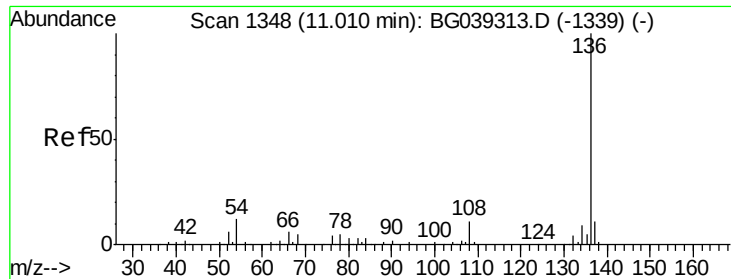
70 100

42 53.5 60.4 90.6#

101 0.0 7.5 11.3#

130 2.2 16.9 25.3#

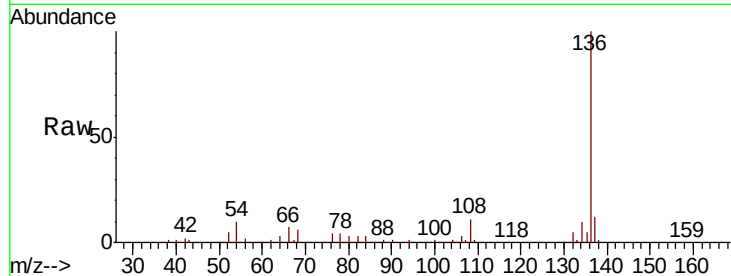




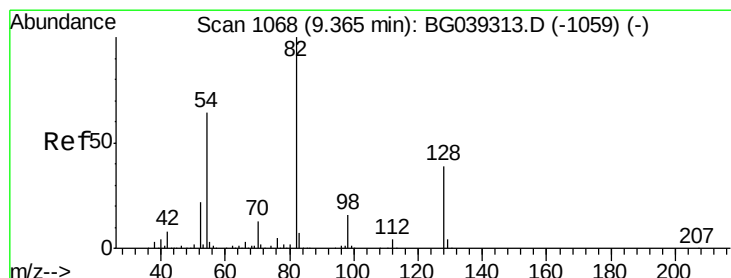
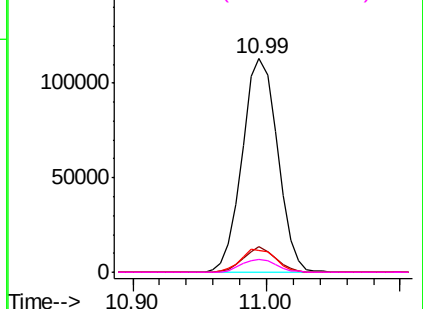
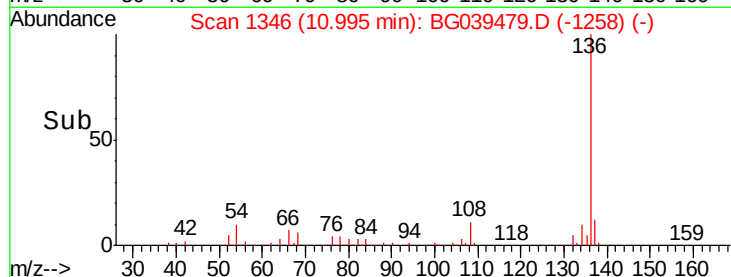
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039479.D
Acq: 13 Feb 2019 1:11

Instrument :
BNA_G
ClientSampleId :
HD-02-021119

Tgt Ion:	136	Resp:	206778
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.1	13.7
54	10.2	9.4	14.2
68	6.3	4.2	6.4

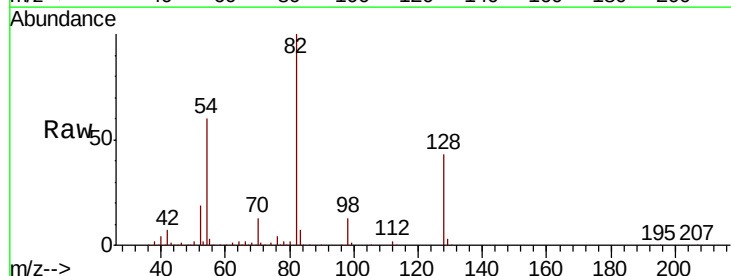


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

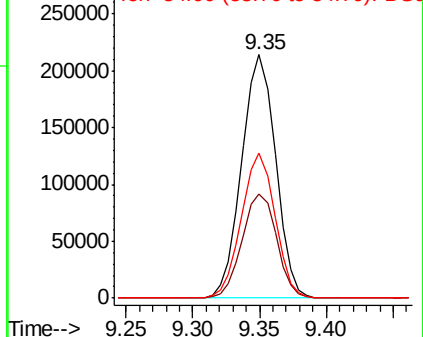
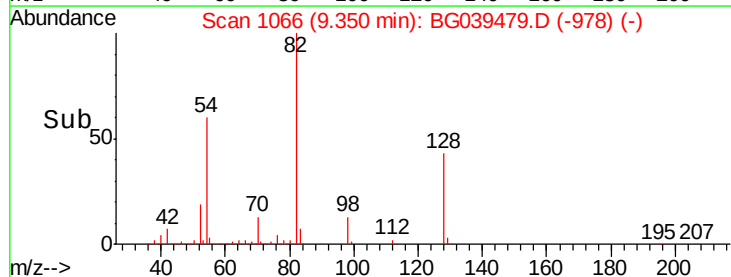


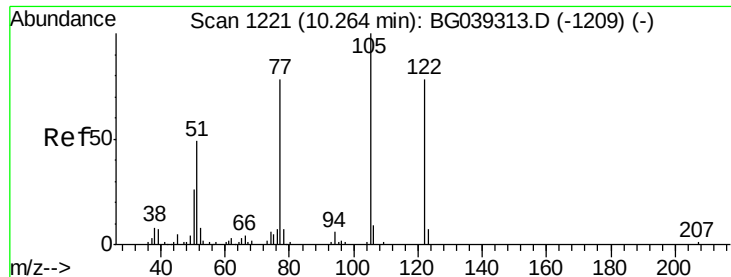
#23
Nitrobenzene-d5
Concen: 113.971 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039479.D
Acq: 13 Feb 2019 1:11

Tgt Ion:	82	Resp:	377240
Ion	Ratio	Lower	Upper
82	100		
128	42.6	31.3	46.9
54	59.7	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: 9.046 ng

RT: 10.07 min Scan# 1189

Delta R.T. -0.19 min

Lab File: BG039479.D

Acq: 13 Feb 2019 1:11

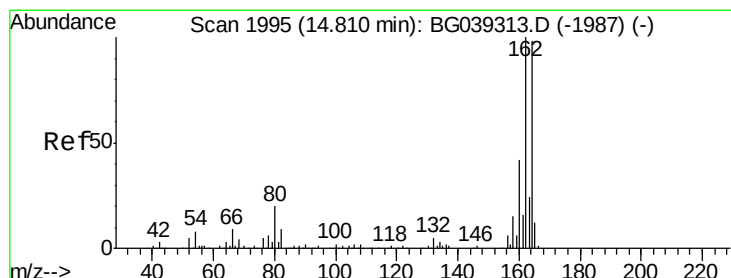
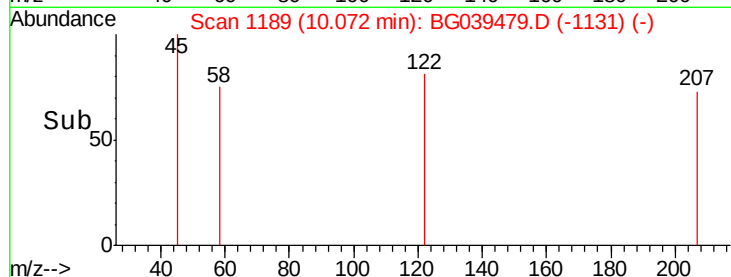
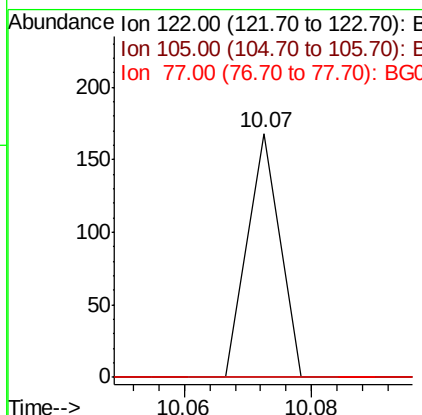
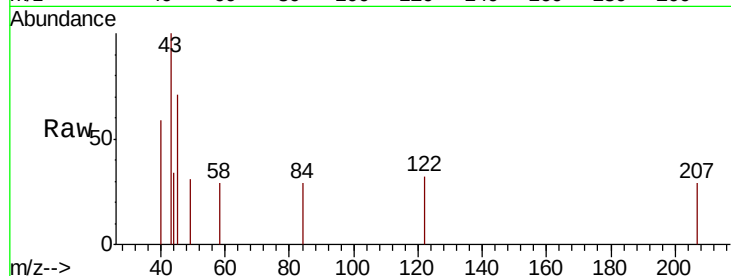
Instrument :

BNA_G

ClientSampleId :

HD-02-021119

Tgt Ion:	122	Resp:	59
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

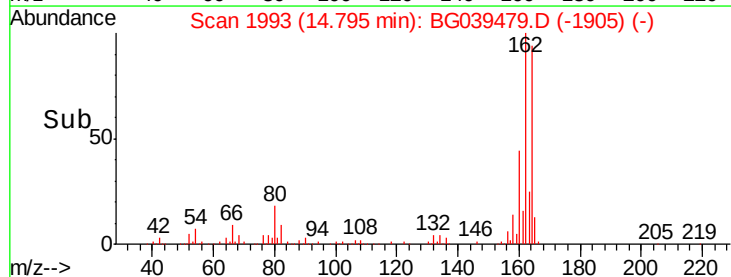
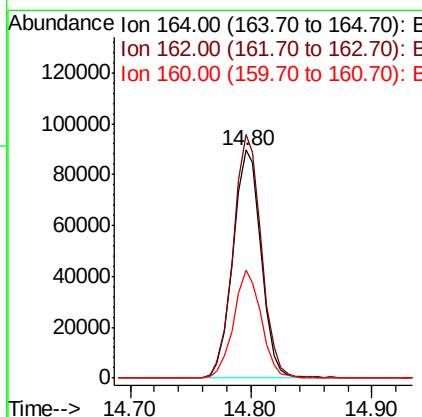
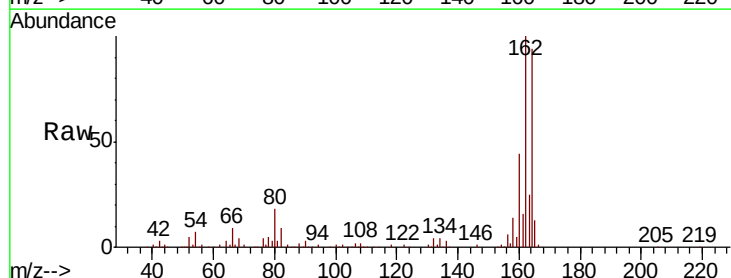
RT: 14.80 min Scan# 1993

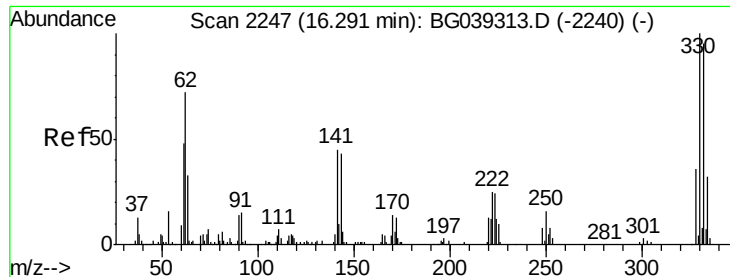
Delta R.T. -0.01 min

Lab File: BG039479.D

Acq: 13 Feb 2019 1:11

Tgt Ion:	164	Resp:	145743
Ion	Ratio	Lower	Upper
164	100		
162	106.7	81.6	122.4
160	47.1	34.2	51.2

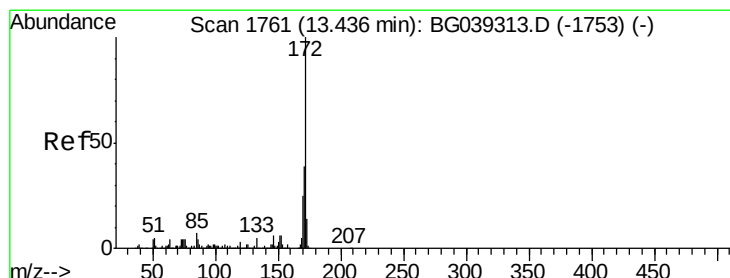
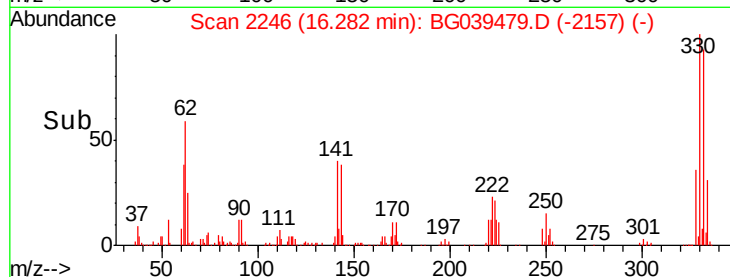
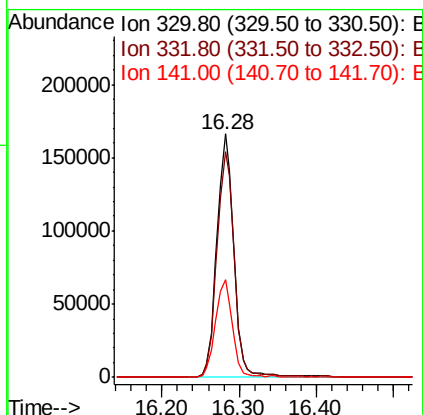
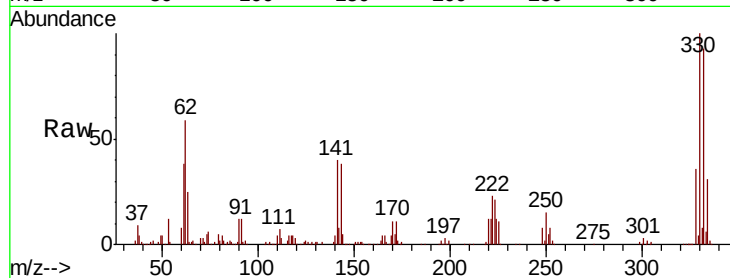




#42
 2,4,6-Tribromophenol
 Concen: 160.762 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.01 min
 Lab File: BG039479.D
 Acq: 13 Feb 2019 1:11

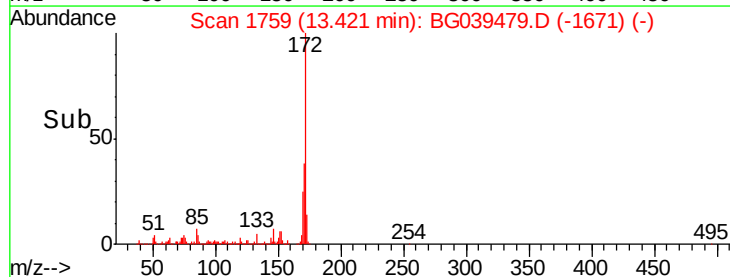
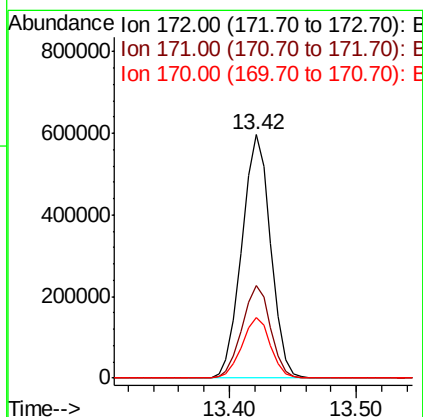
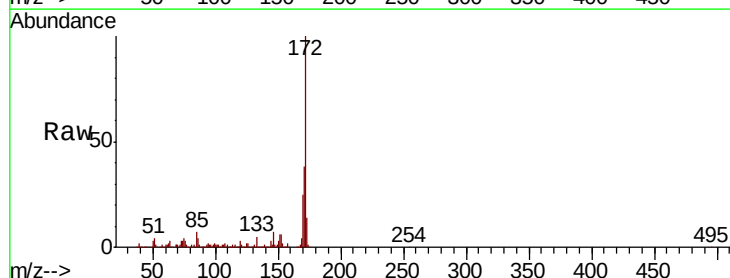
Instrument :
 BNA_G
 ClientSampleId :
 HD-02-021119

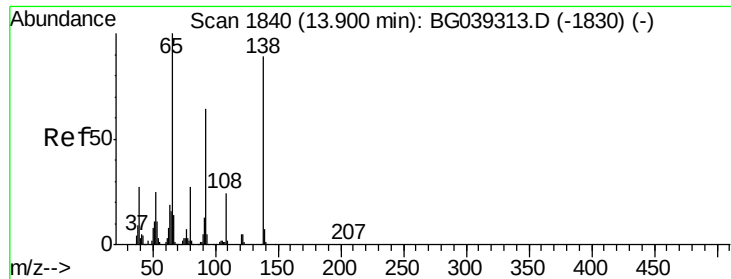
Tgt Ion:330 Resp: 252300
 Ion Ratio Lower Upper
 330 100
 332 94.9 75.7 113.5
 141 39.9 35.6 53.4



#45
 2-Fluorobiphenyl
 Concen: 92.387 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: BG039479.D
 Acq: 13 Feb 2019 1:11

Tgt Ion:172 Resp: 938607
 Ion Ratio Lower Upper
 172 100
 171 38.1 30.8 46.2
 170 25.0 20.2 30.4





#48

2-Nitroaniline

Concen: 8.761 ng

RT: 13.42 min Scan# 1759

Delta R.T. -0.48 min

Lab File: BG039479.D

Acq: 13 Feb 2019 1:11

Instrument :

BNA_G

ClientSampleId :

HD-02-021119

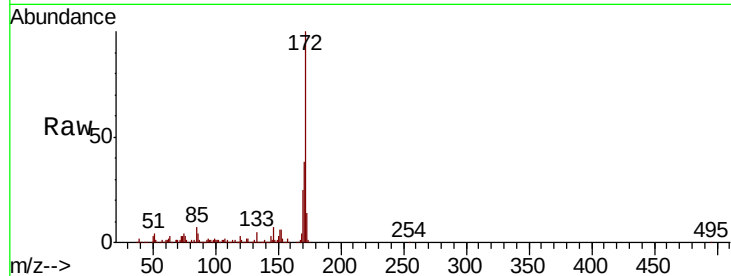
Tgt Ion: 65 Resp: 1471

Ion Ratio Lower Upper

65 100

92 237.0 51.4 77.2#

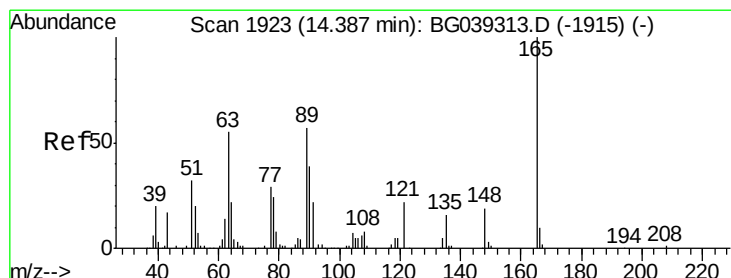
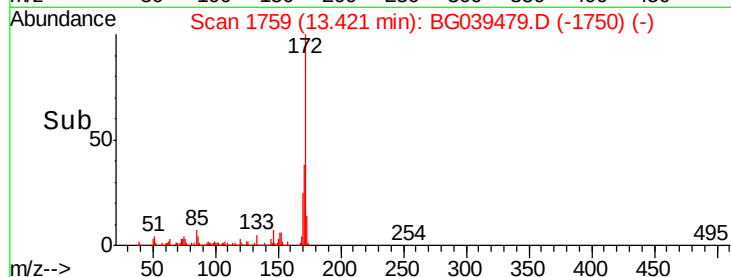
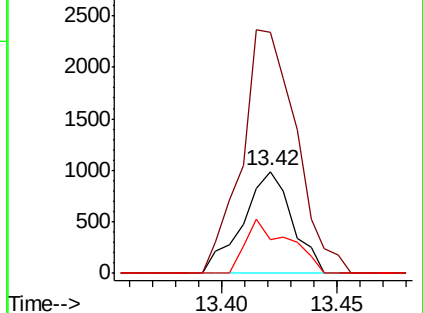
138 33.4 71.4 107.2#



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: 14.088 ng

RT: 14.80 min Scan# 1993

Delta R.T. 0.41 min

Lab File: BG039479.D

Acq: 13 Feb 2019 1:11

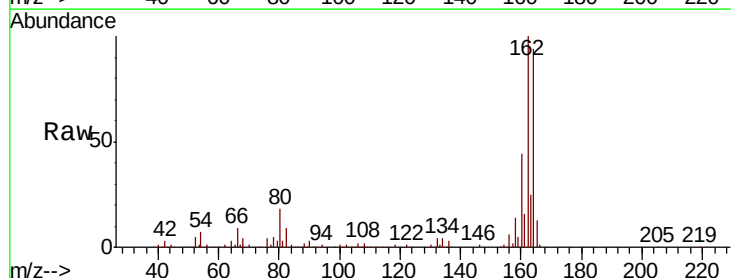
Tgt Ion: 165 Resp: 19184

Ion Ratio Lower Upper

165 100

63 0.0 47.0 70.6#

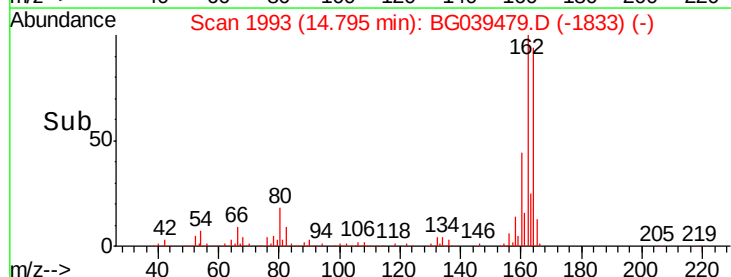
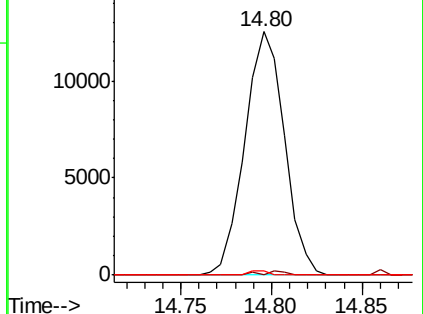
89 1.5 45.8 68.8#

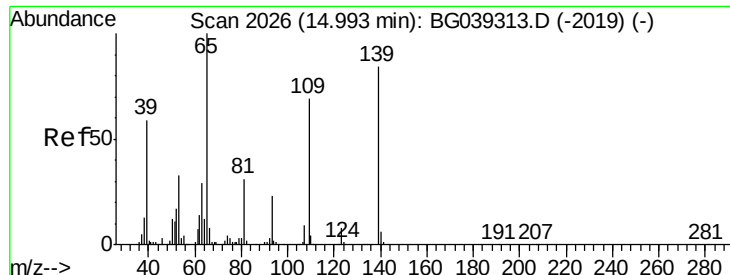


Abundance Ion 165.00 (164.70 to 165.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

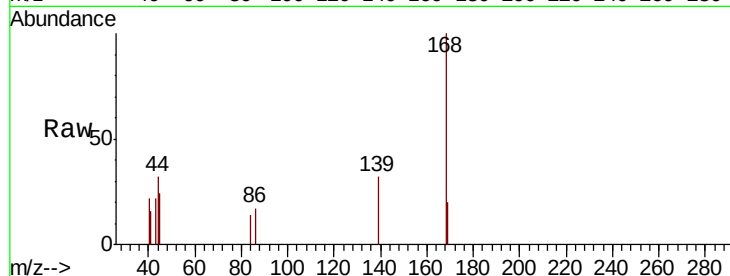




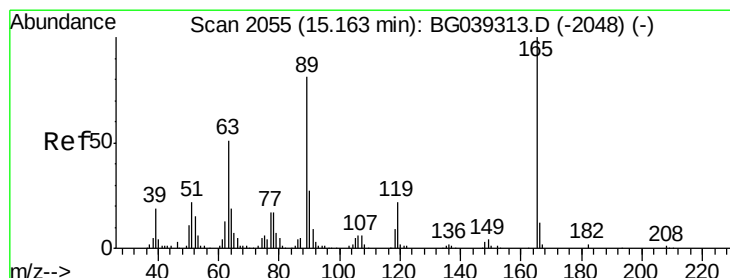
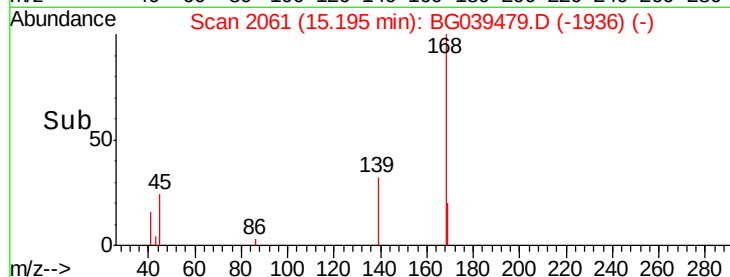
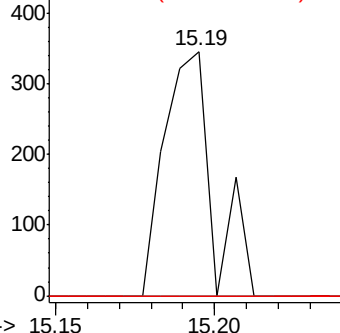
#56
4-Nitrophenol
Concen: 5.954 ng
RT: 15.19 min Scan# 2061
Delta R.T. 0.20 min
Lab File: BG039479.D
Acq: 13 Feb 2019 1:11

Instrument :
BNA_G
ClientSampleId :
HD-02-021119

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

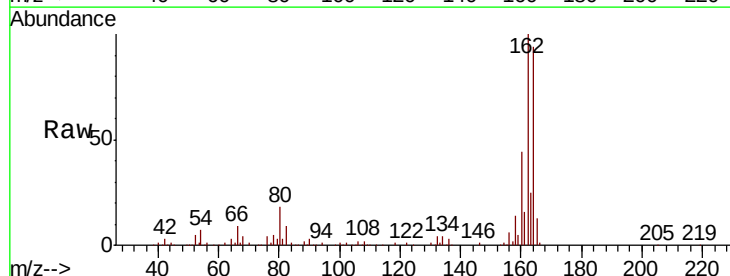


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

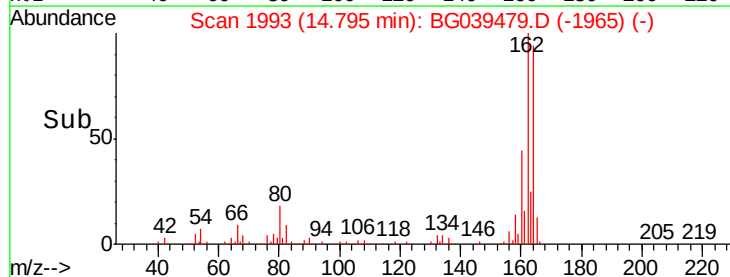
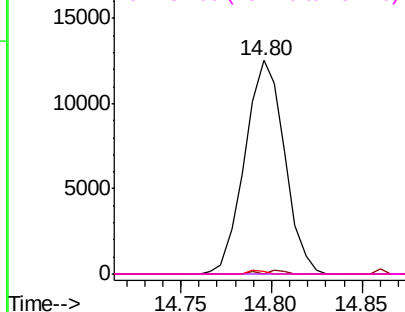


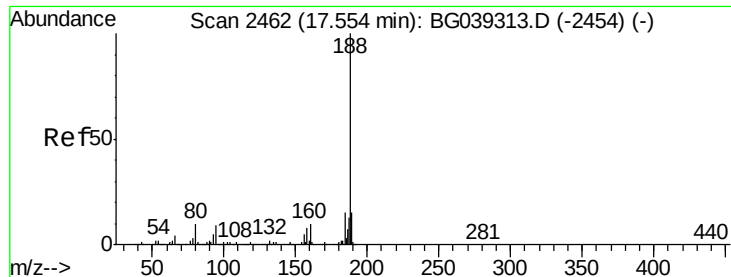
#57
2,4-Dinitrotoluene
Concen: 13.523 ng
RT: 14.80 min Scan# 1993
Delta R.T. -0.37 min
Lab File: BG039479.D
Acq: 13 Feb 2019 1:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	1.5	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: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039479.D

Acq: 13 Feb 2019 1:11

Instrument :

BNA_G

ClientSampleId :

HD-02-021119

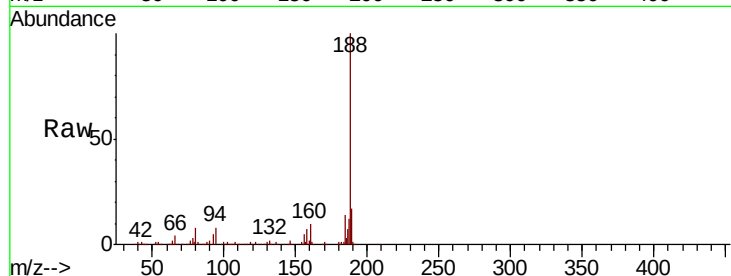
Tgt Ion:188 Resp: 361404

Ion Ratio Lower Upper

188 100

94 7.8 6.9 10.3

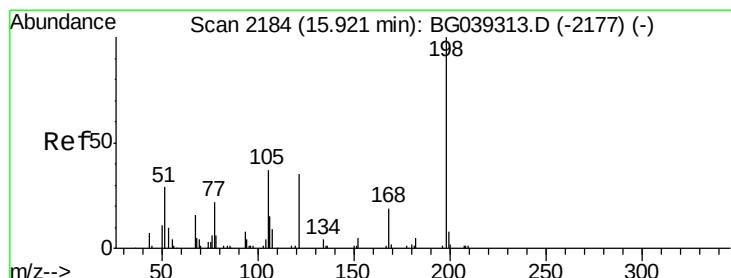
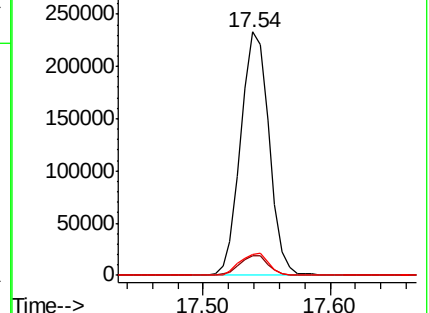
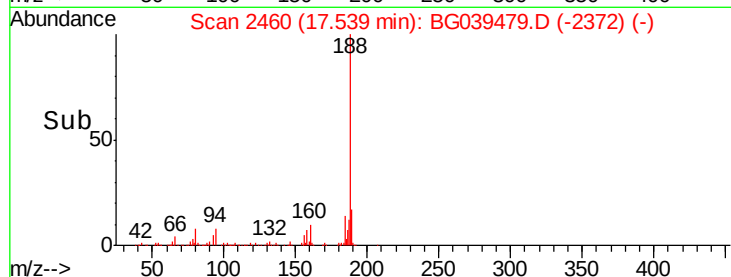
80 8.5 8.1 12.1



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: 4.870 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039479.D

Acq: 13 Feb 2019 1:11

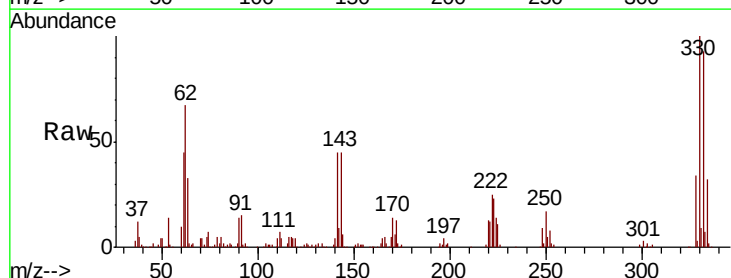
Tgt Ion:198 Resp: 784

Ion Ratio Lower Upper

198 100

51 71.2 27.4 67.4#

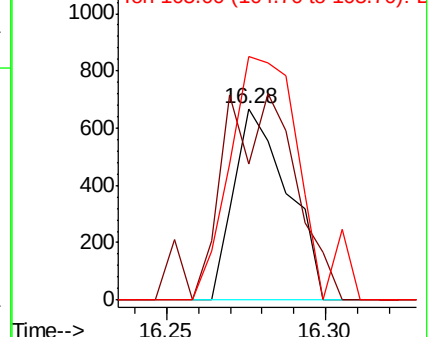
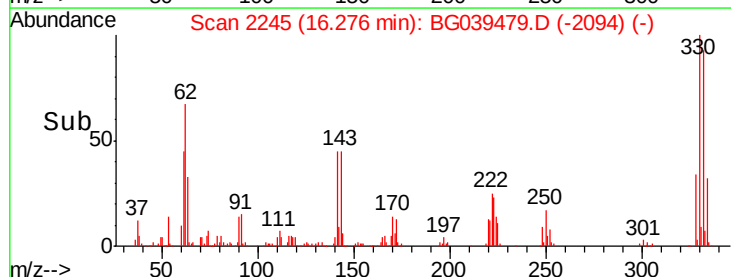
105 127.4 19.7 59.7#

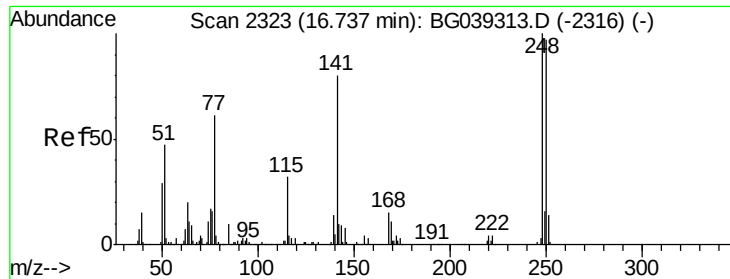


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

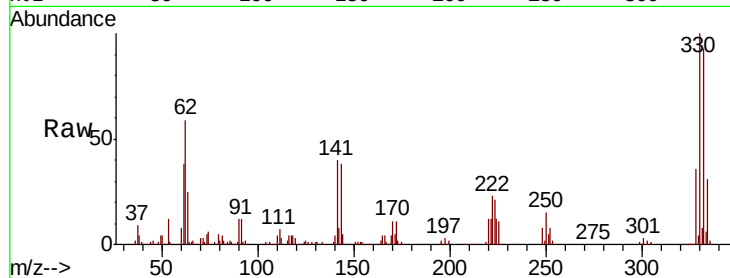




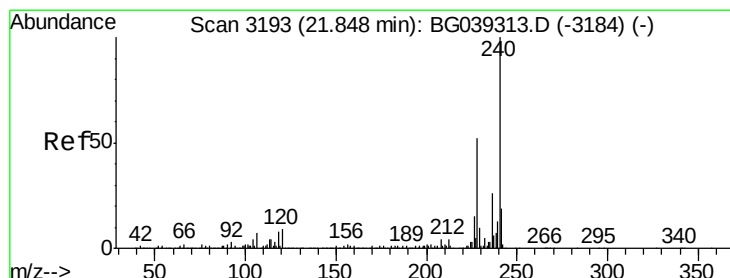
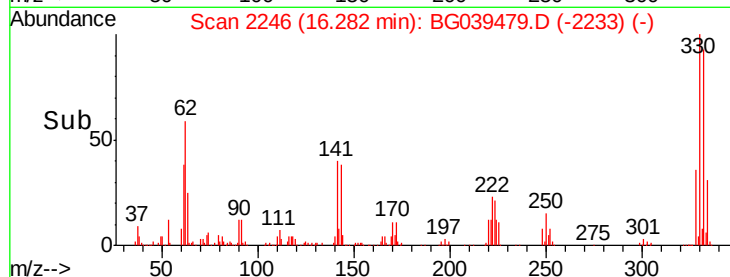
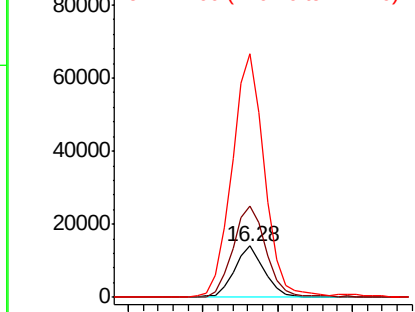
#67
4-Bromophenyl-phenylether
Concen: 4.936 ng
RT: 16.28 min Scan# 2246
Delta R.T. -0.46 min
Lab File: BG039479.D
Acq: 13 Feb 2019 1:11

Instrument :
BNA_G
ClientSampleId :
HD-02-021119

Tgt Ion:248 Resp: 19789
Ion Ratio Lower Upper
248 100
250 176.4 77.6 116.4#
141 472.9 63.9 95.9#

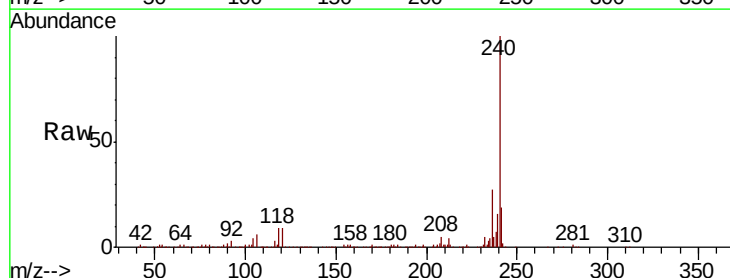


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

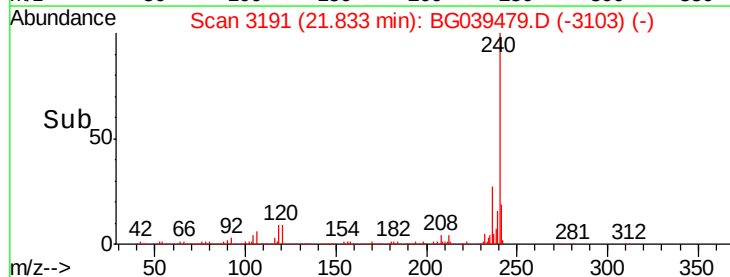
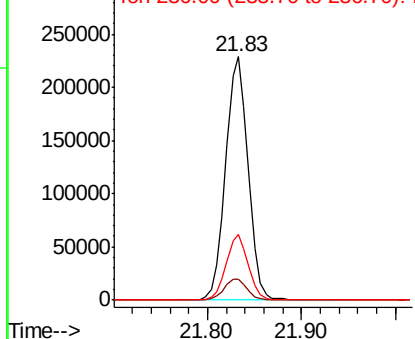


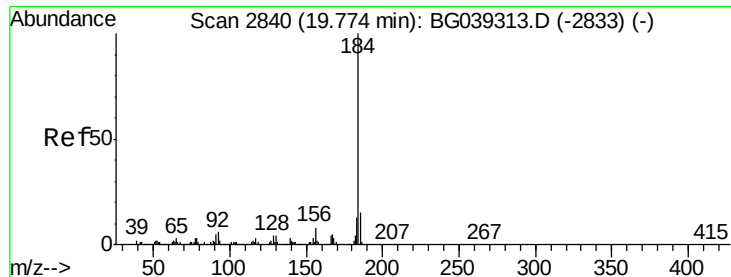
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3191
Delta R.T. -0.01 min
Lab File: BG039479.D
Acq: 13 Feb 2019 1:11

Tgt Ion:240 Resp: 379622
Ion Ratio Lower Upper
240 100
120 8.7 7.0 10.6
236 26.9 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: 2.168 ng

RT: 20.14 min Scan# 2902

Delta R.T. 0.36 min

Lab File: BG039479.D

Acq: 13 Feb 2019 1:11

Instrument :

BNA_G

ClientSampleId :

HD-02-021119

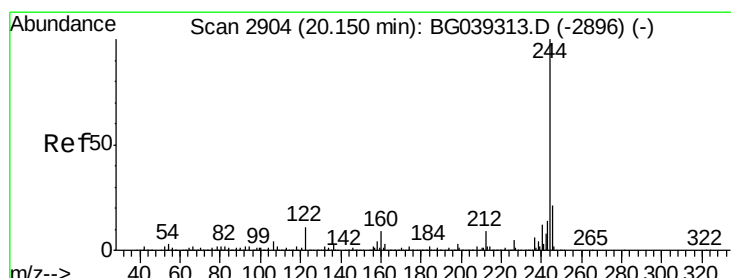
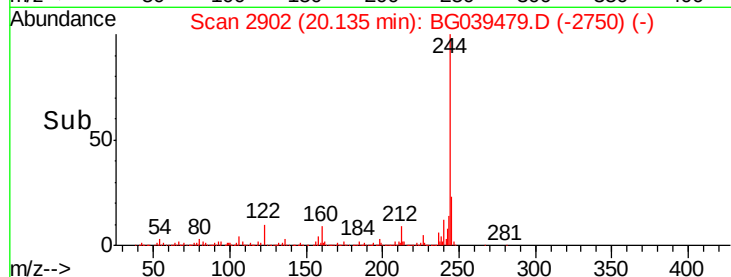
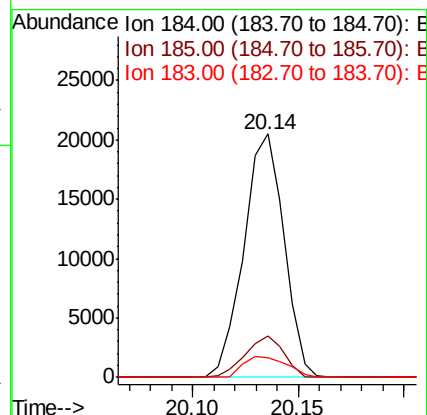
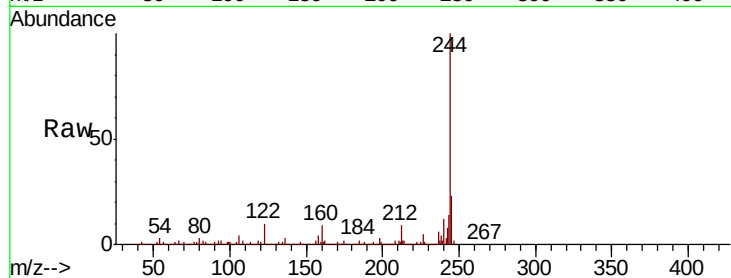
Tgt Ion:184 Resp: 26984

Ion Ratio Lower Upper

184 100

185 17.0 12.2 18.2

183 8.1 10.6 15.8#



#79

Terphenyl-d14

Concen: 86.757 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039479.D

Acq: 13 Feb 2019 1:11

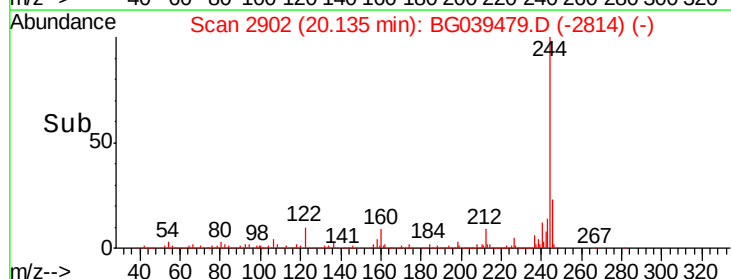
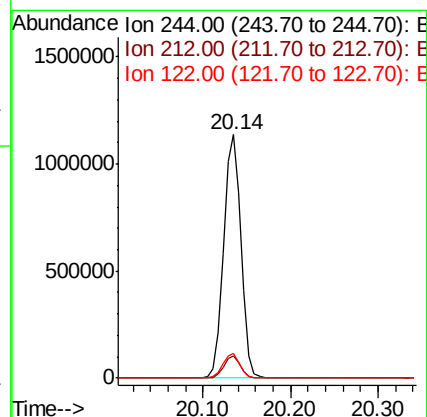
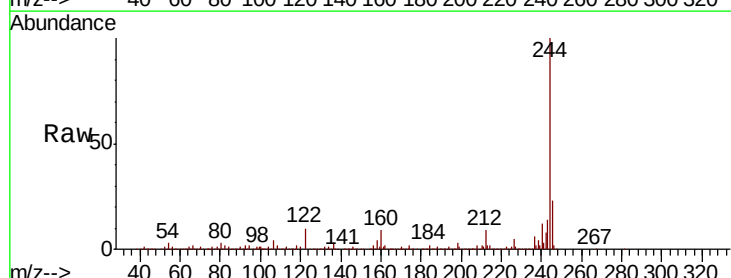
Tgt Ion:244 Resp: 1555967

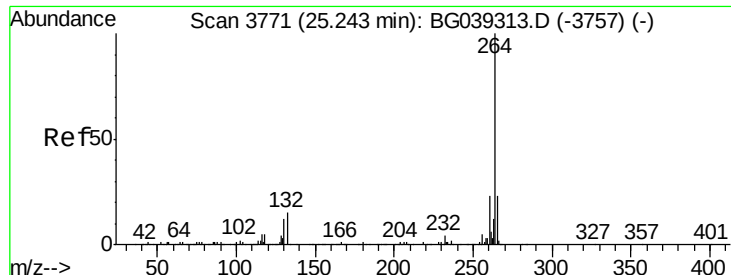
Ion Ratio Lower Upper

244 100

212 9.1 7.3 10.9

122 10.0 8.4 12.6





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.22 min Scan# 3767
Delta R.T. -0.03 min
Lab File: BG039479.D
Acq: 13 Feb 2019 1:11

Instrument :
BNA_G
ClientSampleId :
HD-02-021119

Tgt Ion:	264	Resp:	375666
Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.2	27.4
265	22.2	18.5	27.7

