

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021219\
 Data File : BG039483.D
 Acq On : 13 Feb 2019 3:50
 Operator : JU/SJ
 Sample : K1458-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-1

Quant Time: Feb 13 06:58:26 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

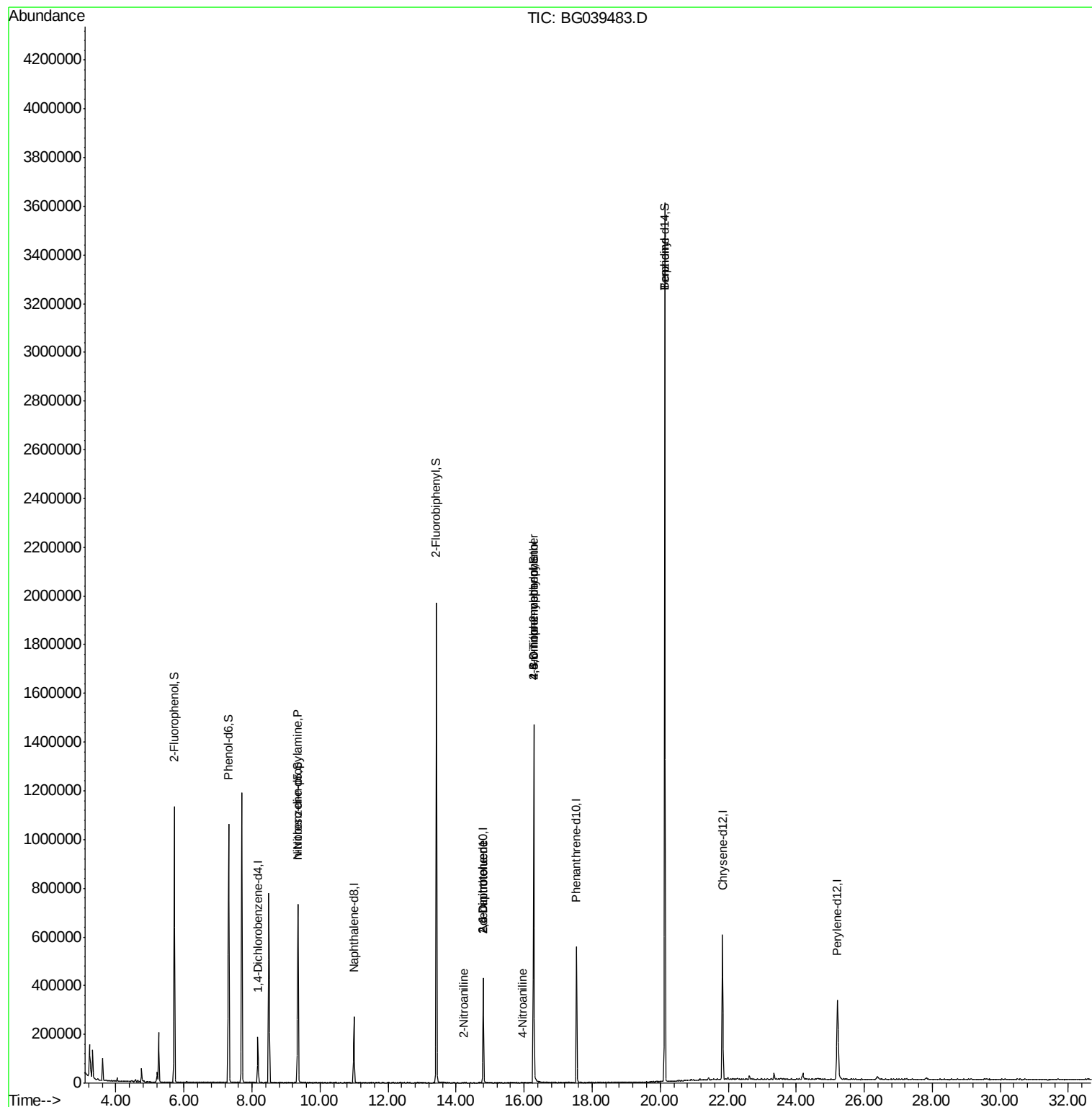
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	52385	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	225771	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	150433	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	358920	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	374530	20.00	ng	-0.01
87) Perylene-d12	25.21	264	374057	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	460081	150.32	ng	0.00
7) Phenol-d6	7.31	99	609447	135.27	ng	0.00
23) Nitrobenzene-d5	9.35	82	435745	120.57	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	260416	160.76	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	1015675	96.86	ng	-0.01
79) Terphenyl-d14	20.14	244	1605046	90.71	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.32	77	1144	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.35	70	56405	17.639 ng	#	4
48) 2-Nitroaniline	14.21	65	126	8.335 ng	#	10
51) 2,6-Dinitrotoluene	14.80	165	20077	14.193 ng	#	25
57) 2,4-Dinitrotoluene	14.80	165	20077	13.603 ng	#	20
62) 4-Nitroaniline	15.94	138	59	4.224 ng	#	10
65) 4,6-Dinitro-2-methylphenol	16.28	198	1006	5.073 ng	#	1
67) 4-Bromophenyl-phenylether	16.28	248	19764	4.964 ng	#	1
77) Benzidine	20.14	184	29274	2.384 ng		96

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

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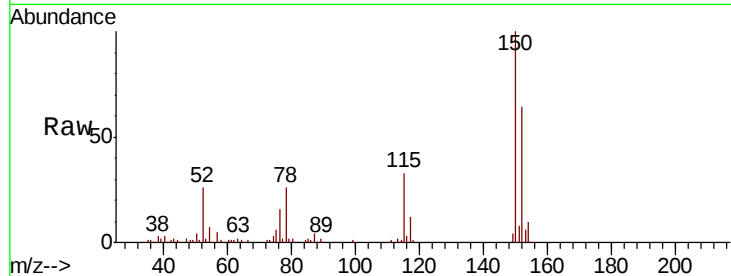


#1

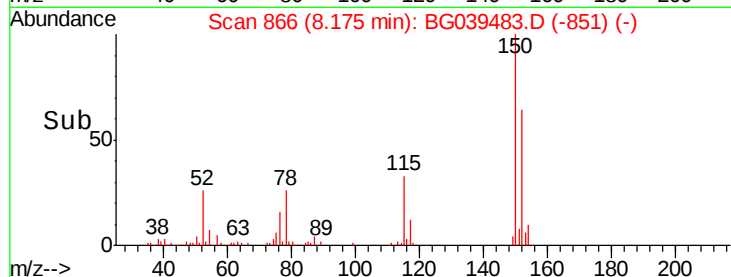
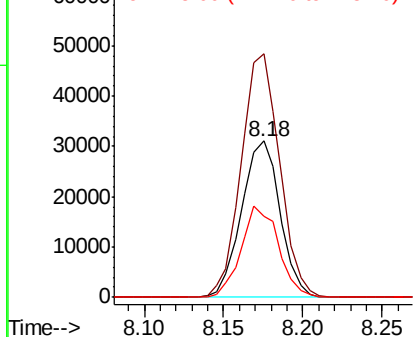
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039483.D
Acq: 13 Feb 2019 3:50

Instrument :
BNA_G
ClientSampleId :
WC-1

Tgt Ion:152 Resp: 52385
Ion Ratio Lower Upper
152 100
150 156.0 123.7 185.5
115 52.2 45.9 68.9



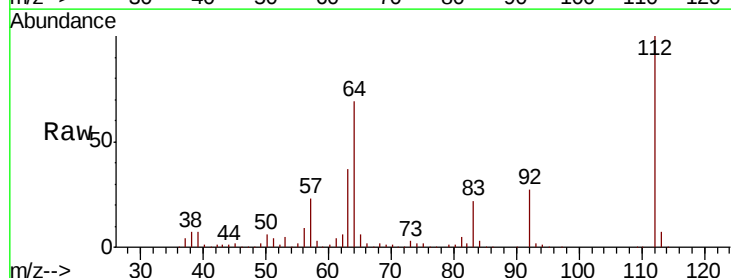
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



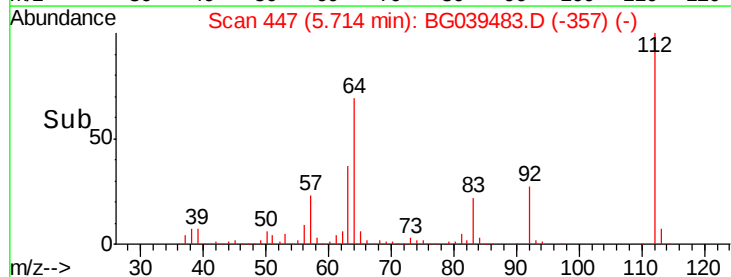
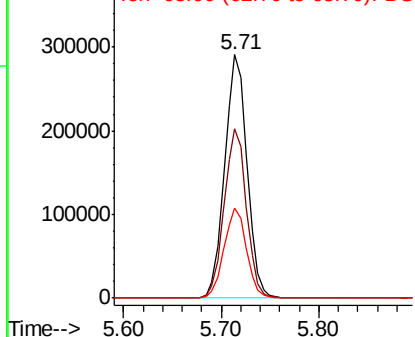
#5

2-Fluorophenol
Concen: 150.316 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039483.D
Acq: 13 Feb 2019 3:50

Tgt Ion:112 Resp: 460081
Ion Ratio Lower Upper
112 100
64 69.5 57.8 86.8
63 37.2 29.8 44.6



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: 135.272 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039483.D

Acq: 13 Feb 2019 3:50

Instrument :

BNA_G

ClientSampleId :

WC-1

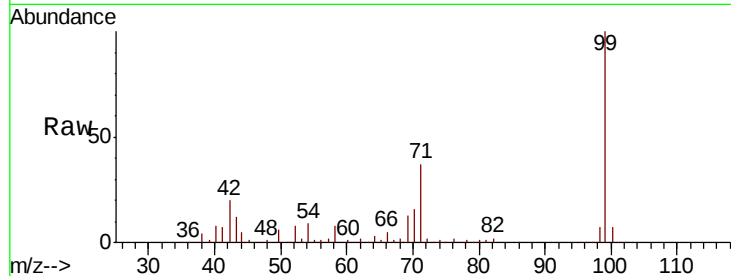
Tgt Ion: 99 Resp: 609447

Ion Ratio Lower Upper

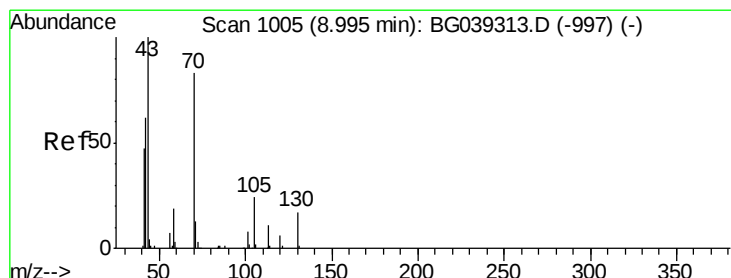
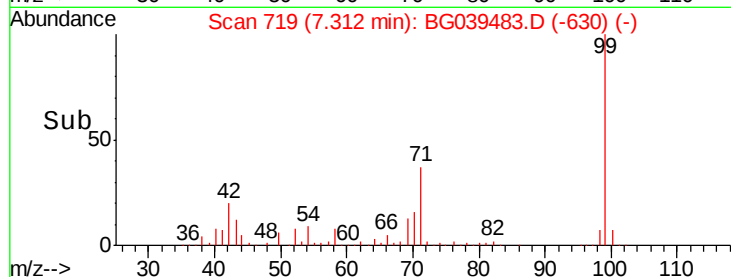
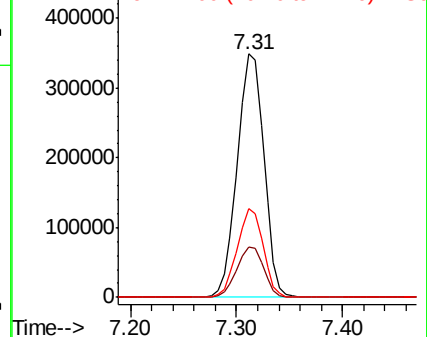
99 100

42 20.5 18.2 27.2

71 36.6 28.0 42.0



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: 17.639 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.36 min

Lab File: BG039483.D

Acq: 13 Feb 2019 3:50

Tgt Ion: 70 Resp: 56405

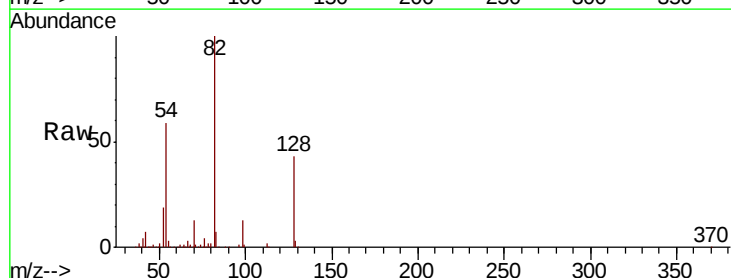
Ion Ratio Lower Upper

70 100

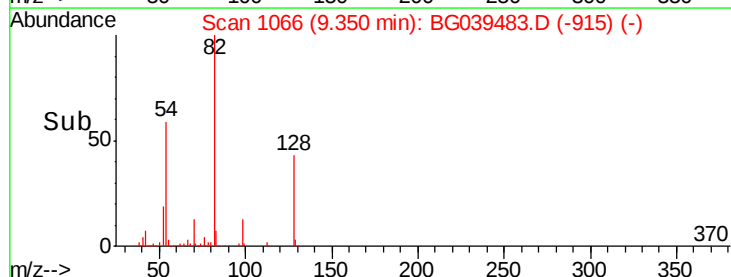
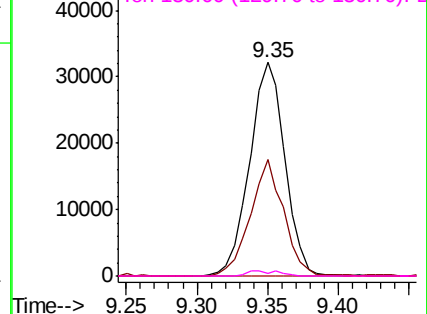
42 54.3 60.4 90.6#

101 0.0 7.5 11.3#

130 1.2 16.9 25.3#



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

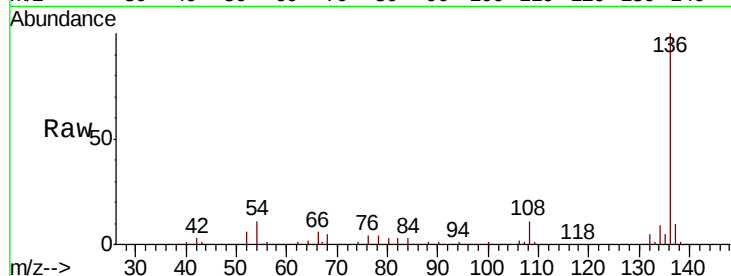




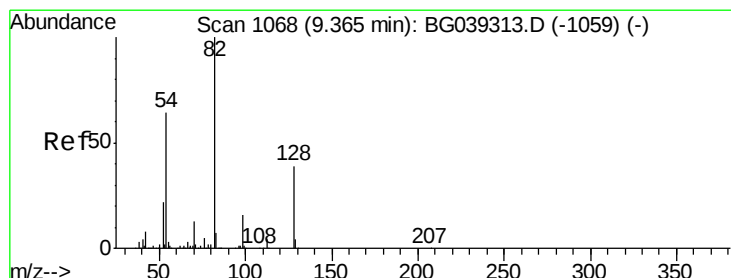
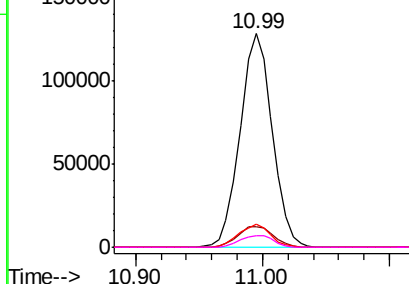
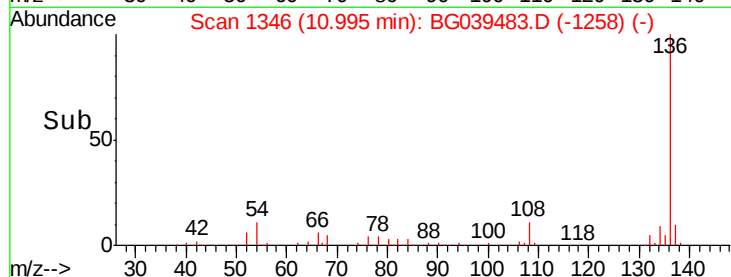
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039483.D
Acq: 13 Feb 2019 3:50

Instrument :
BNA_G
ClientSampleId :
WC-1

Tgt Ion:	136	Resp:	225771
Ion	Ratio	Lower	Upper
136	100		
137	9.8	9.1	13.7
54	10.9	9.4	14.2
68	5.5	4.2	6.4

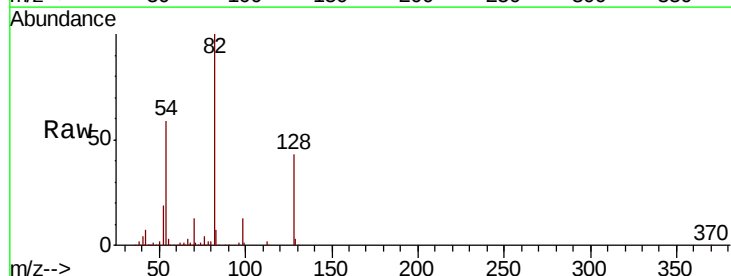


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

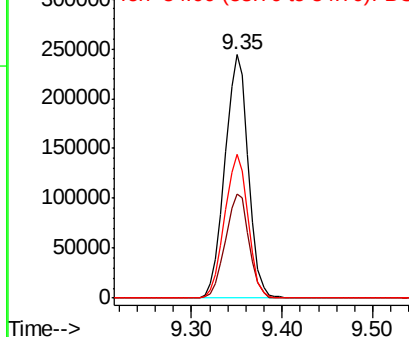
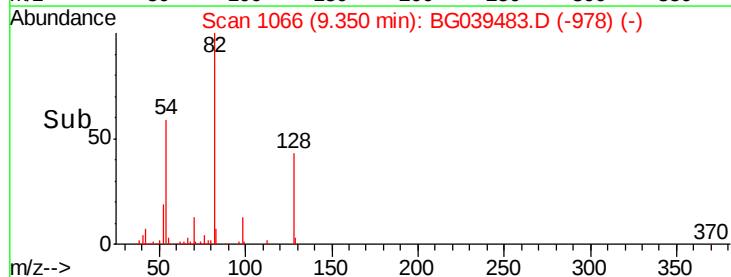


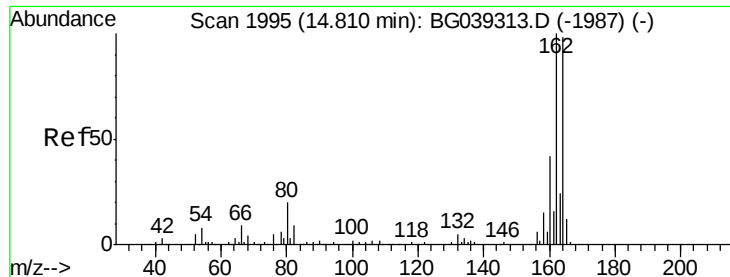
#23
Nitrobenzene-d5
Concen: 120.572 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039483.D
Acq: 13 Feb 2019 3:50

Tgt Ion:	82	Resp:	435745
Ion	Ratio	Lower	Upper
82	100		
128	43.0	31.3	46.9
54	59.0	50.9	76.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
300000
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: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039483.D

Acq: 13 Feb 2019 3:50

Instrument :

BNA_G

ClientSampleId :

WC-1

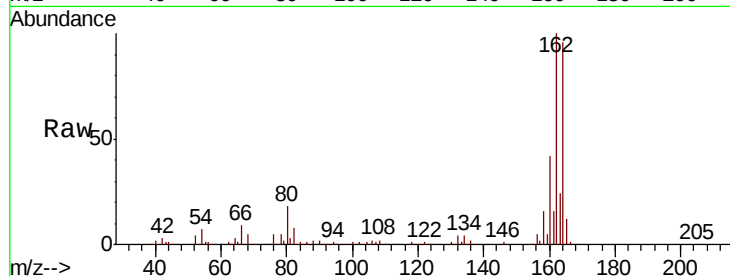
Tgt Ion:164 Resp: 150433

Ion Ratio Lower Upper

164 100

162 104.3 81.6 122.4

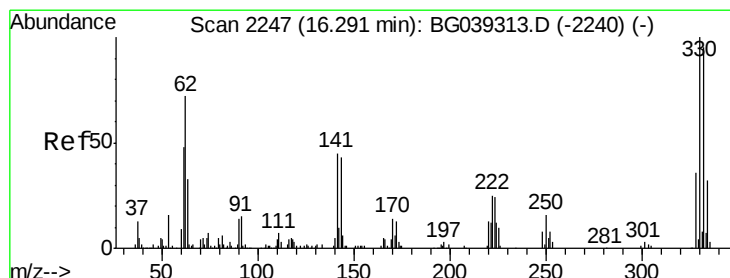
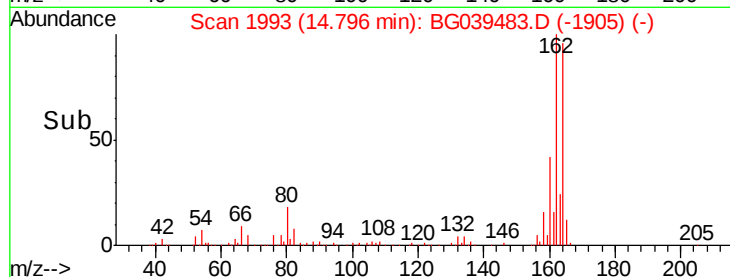
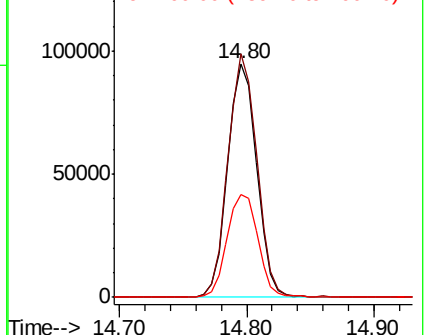
160 44.2 34.2 51.2



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: 160.760 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039483.D

Acq: 13 Feb 2019 3:50

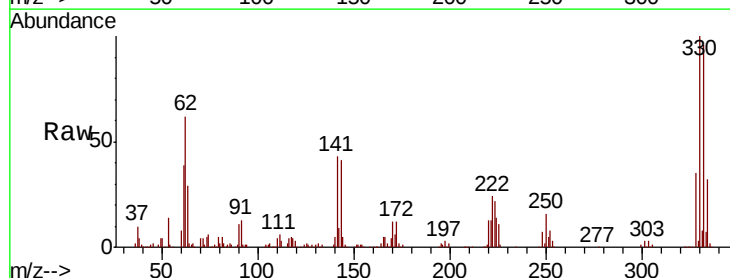
Tgt Ion:330 Resp: 260416

Ion Ratio Lower Upper

330 100

332 95.8 75.7 113.5

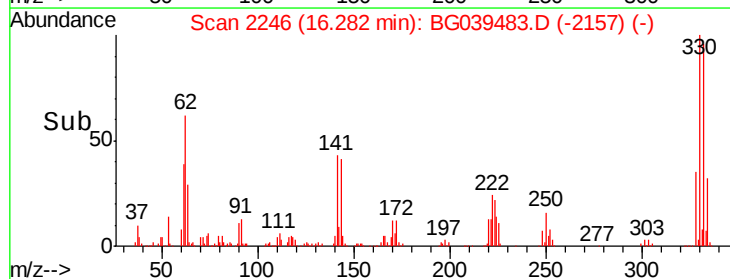
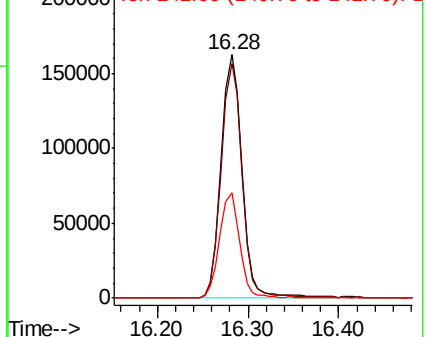
141 41.6 35.6 53.4



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

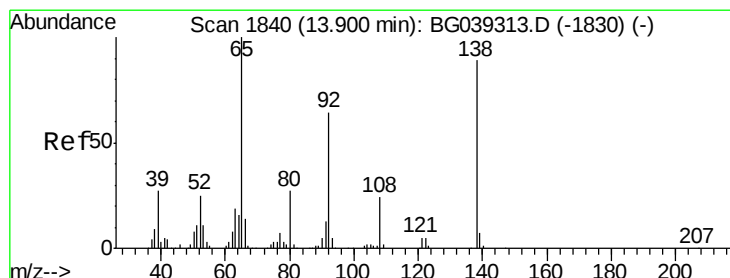
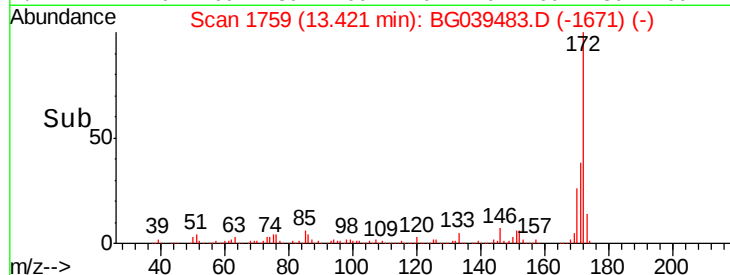
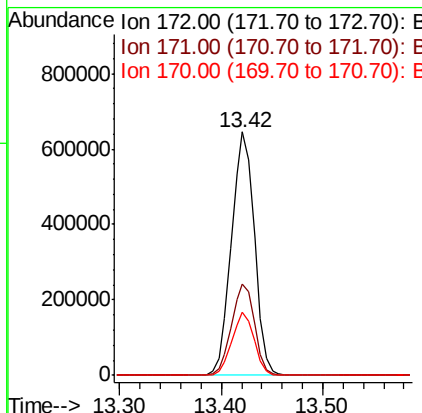
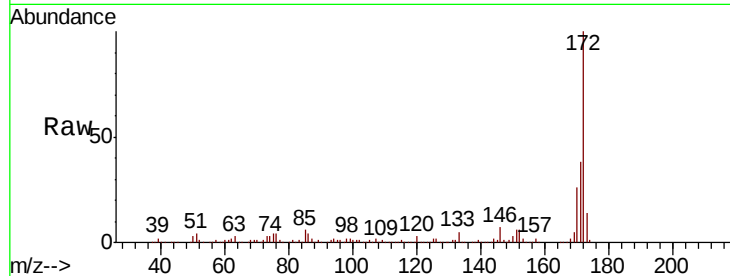




#45
 2-Fluorobiphenyl
 Concen: 96.856 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: BG039483.D
 Acq: 13 Feb 2019 3:50

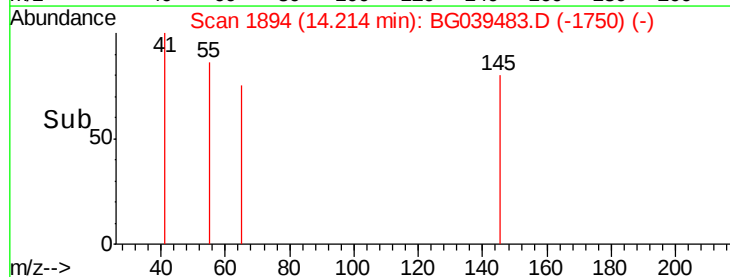
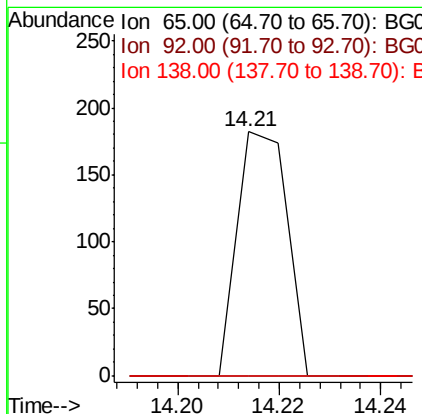
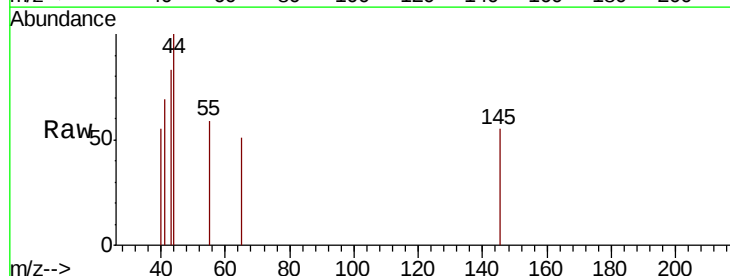
Instrument :
 BNA_G
 ClientSampleId :
 WC-1

Tgt Ion: 172 Resp: 1015675
 Ion Ratio Lower Upper
 172 100
 171 37.6 30.8 46.2
 170 26.1 20.2 30.4



#48
 2-Nitroaniline
 Concen: 8.335 ng
 RT: 14.21 min Scan# 1894
 Delta R.T. 0.31 min
 Lab File: BG039483.D
 Acq: 13 Feb 2019 3:50

Tgt Ion: 65 Resp: 126
 Ion Ratio Lower Upper
 65 100
 92 0.0 51.4 77.2#
 138 0.0 71.4 107.2#





#51

2,6-Dinitrotoluene

Concen: 14.193 ng

RT: 14.80 min Scan# 1993

Delta R.T. 0.41 min

Lab File: BG039483.D

Acq: 13 Feb 2019 3:50

Instrument :

BNA_G

ClientSampleId :

WC-1

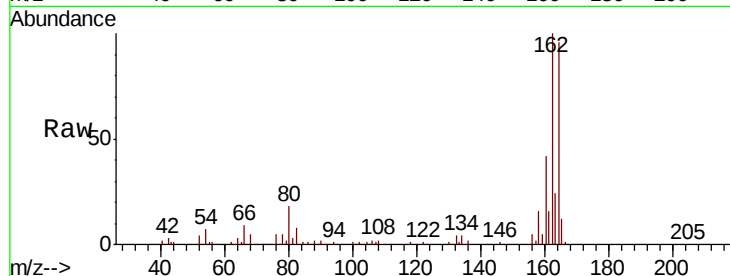
Tgt Ion:165 Resp: 20077

Ion Ratio Lower Upper

165 100

63 2.0 47.0 70.6#

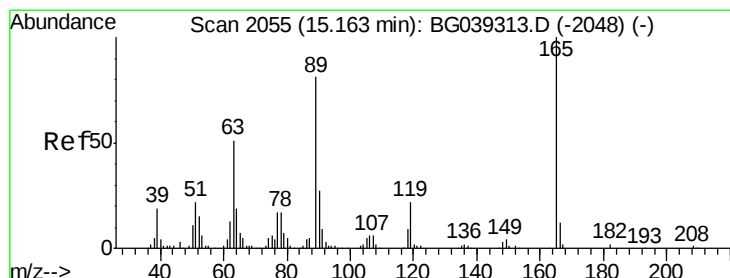
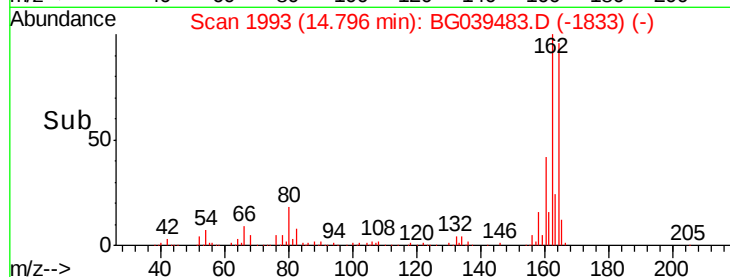
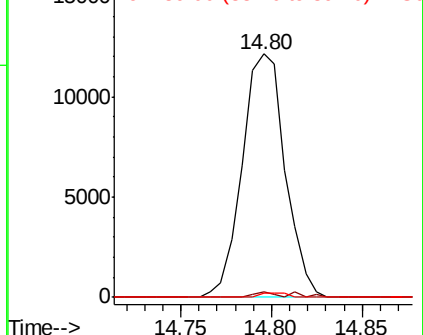
89 1.9 45.8 68.8#



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: 13.603 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.37 min

Lab File: BG039483.D

Acq: 13 Feb 2019 3:50

Tgt Ion:165 Resp: 20077

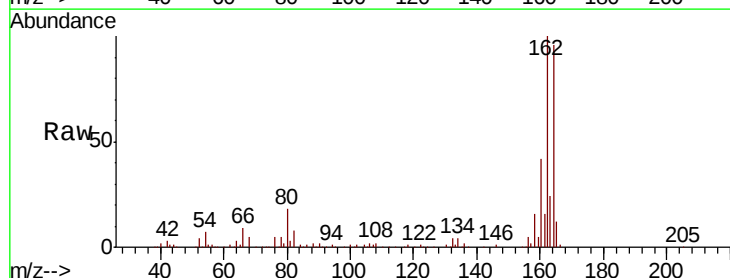
Ion Ratio Lower Upper

165 100

63 2.0 41.0 61.6#

89 1.9 64.6 96.8#

182 0.0 2.0 3.0#

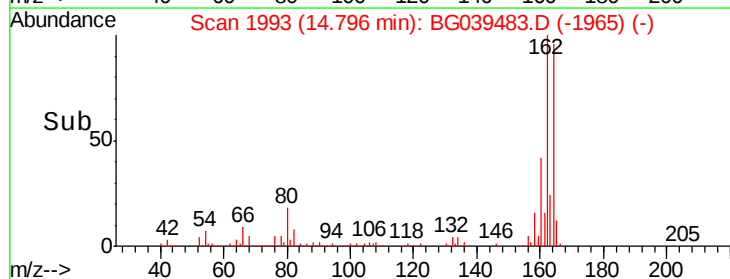
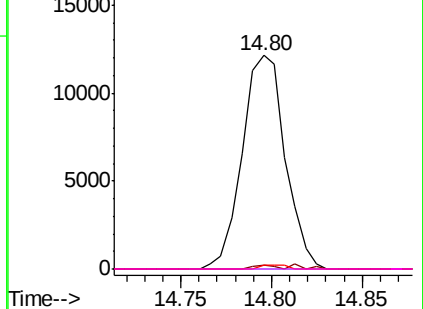


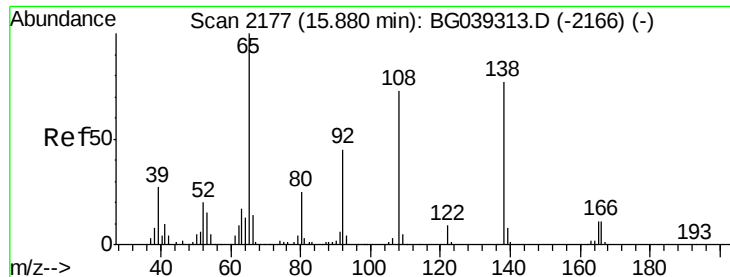
Abundance Ion 165.00 (164.70 to 165.70): E

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

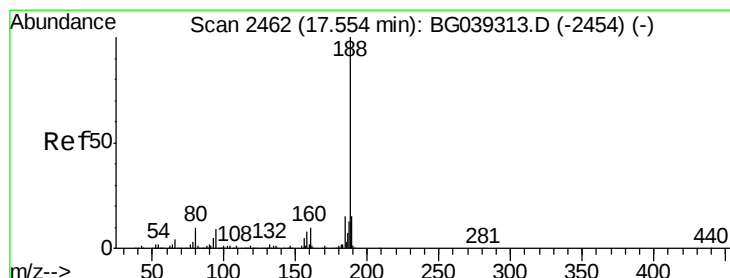
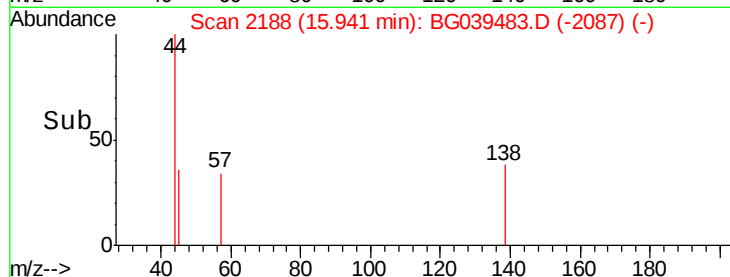
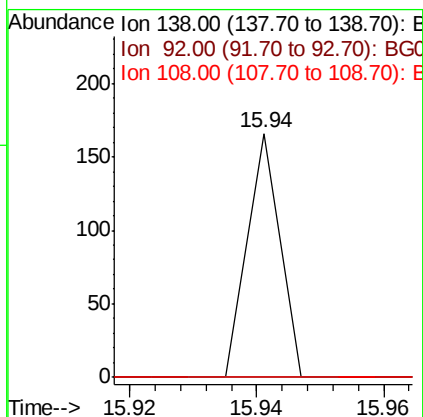
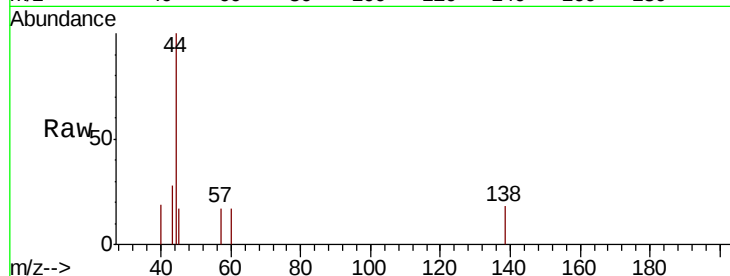




#62
 4-Nitroaniline
 Concen: 4.224 ng
 RT: 15.94 min Scan# 2188
 Delta R.T. 0.06 min
 Lab File: BG039483.D
 Acq: 13 Feb 2019 3:50

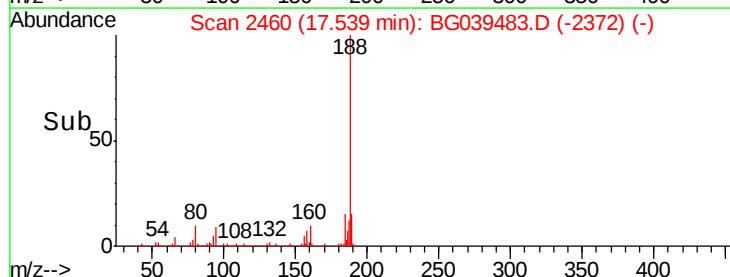
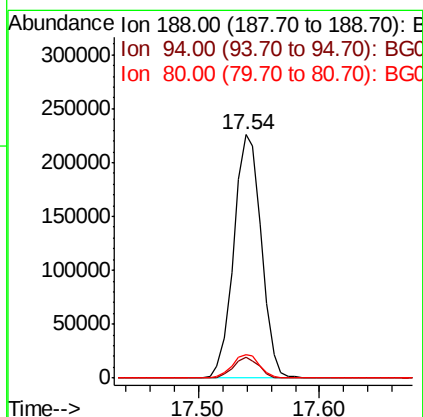
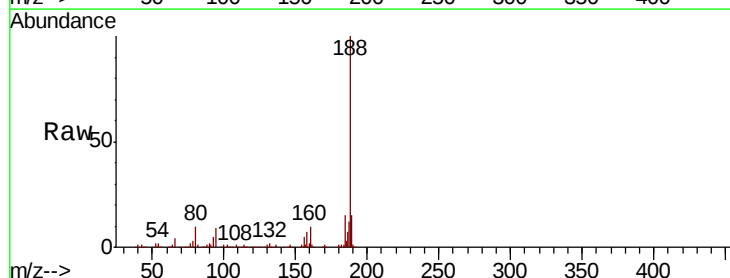
Instrument :
 BNA_G
 ClientSampleId :
 WC-1

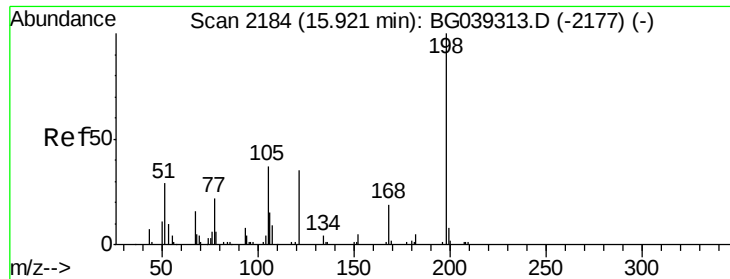
Tgt Ion	Ratio	Lower	Upper
138	100		
92	0.0	38.7	78.7#
108	0.0	74.6	114.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.54 min Scan# 2460
 Delta R.T. -0.01 min
 Lab File: BG039483.D
 Acq: 13 Feb 2019 3:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.9	10.3
80	9.7	8.1	12.1

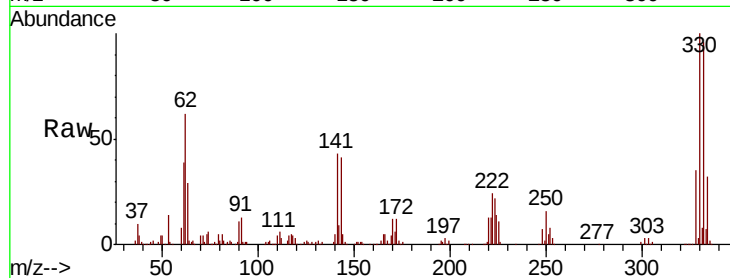




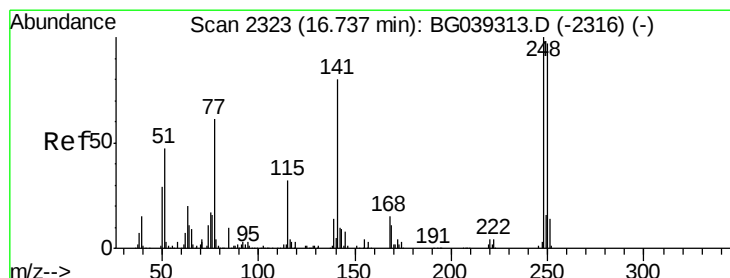
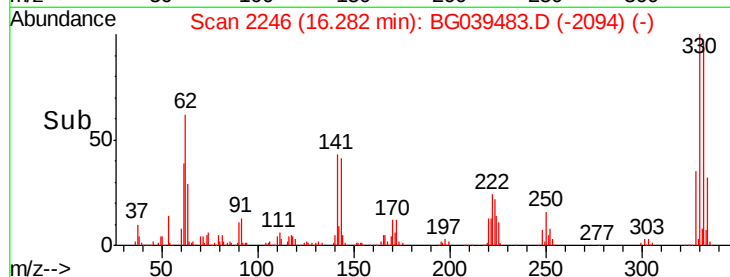
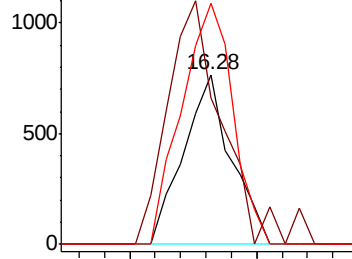
#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.073 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. 0.36 min
 Lab File: BG039483.D
 Acq: 13 Feb 2019 3:50

Instrument :
 BNA_G
 ClientSampled :
 WC-1

Tgt Ion:198 Resp: 1006
 Ion Ratio Lower Upper
 198 100
 51 86.1 27.4 67.4#
 105 141.8 19.7 59.7#

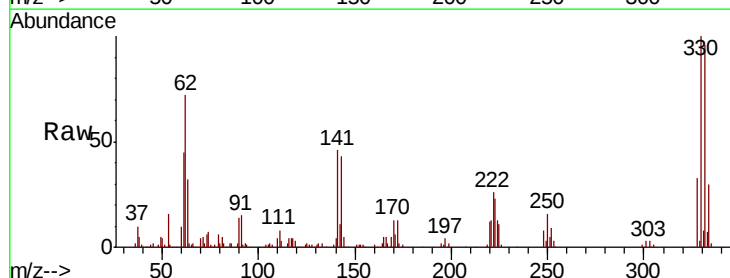


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

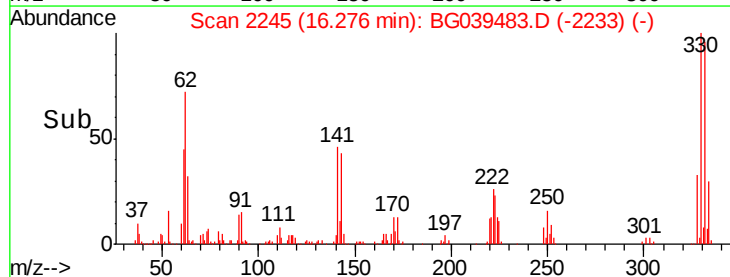
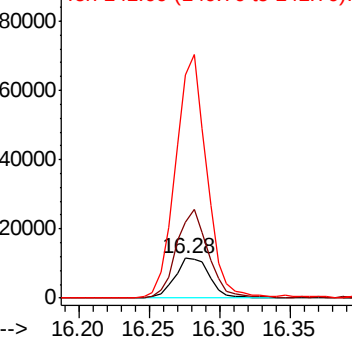


#67
 4-Bromophenyl-phenylether
 Concen: 4.964 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039483.D
 Acq: 13 Feb 2019 3:50

Tgt Ion:248 Resp: 19764
 Ion Ratio Lower Upper
 248 100
 250 189.4 77.6 116.4#
 141 559.9 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

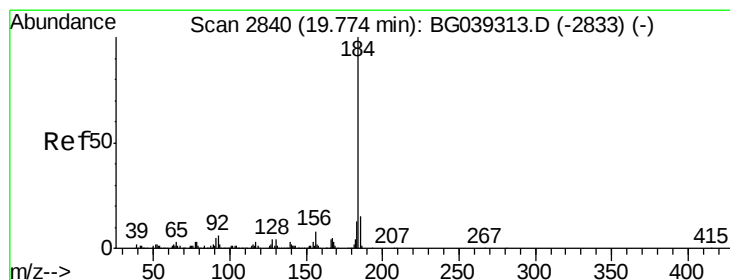
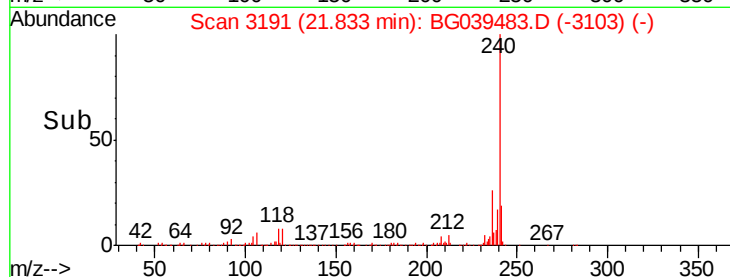
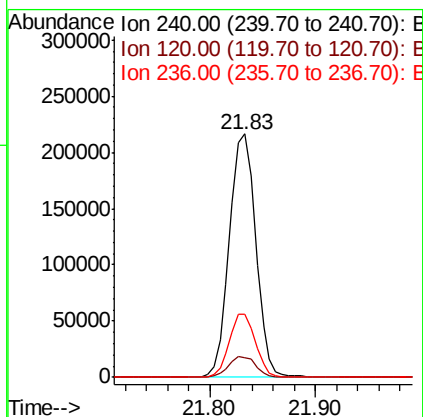
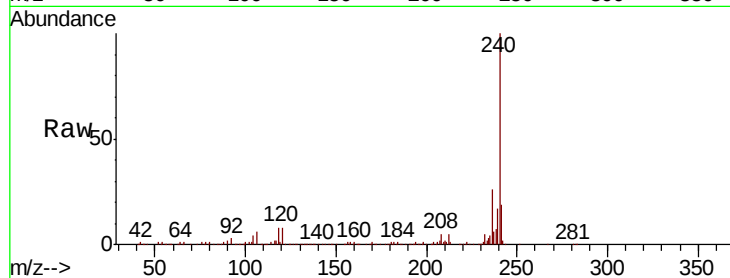




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.83 min Scan# 3191
 Delta R.T. -0.01 min
 Lab File: BG039483.D
 Acq: 13 Feb 2019 3:50

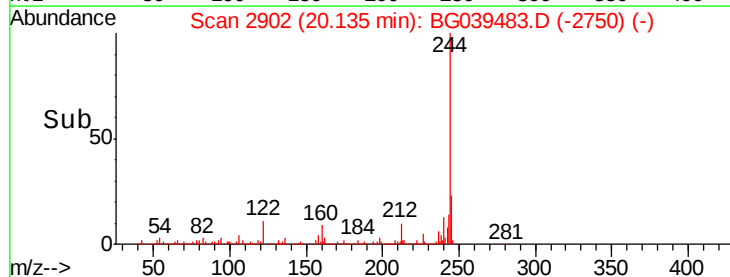
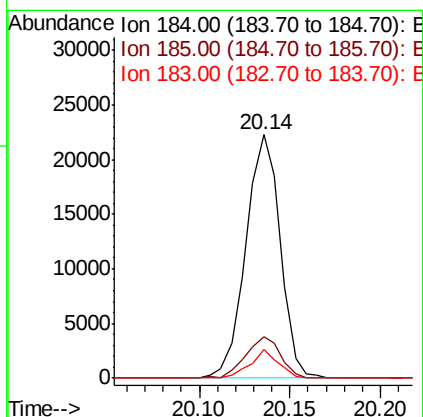
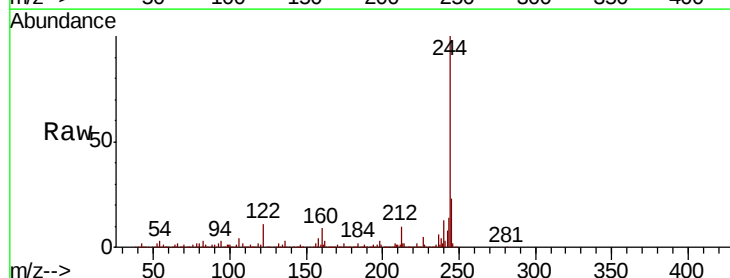
Instrument :
 BNA_G
 ClientSampleId :
 WC-1

Tgt Ion: 240 Resp: 374530
 Ion Ratio Lower Upper
 240 100
 120 7.9 7.0 10.6
 236 25.8 21.0 31.4



#77
 Benzidine
 Concen: 2.384 ng
 RT: 20.14 min Scan# 2902
 Delta R.T. 0.36 min
 Lab File: BG039483.D
 Acq: 13 Feb 2019 3:50

Tgt Ion: 184 Resp: 29274
 Ion Ratio Lower Upper
 184 100
 185 17.1 12.2 18.2
 183 11.8 10.6 15.8





#79

Terphenyl-d14

Concen: 90.711 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039483.D

Acq: 13 Feb 2019 3:50

Instrument :

BNA_G

ClientSampleId :

WC-1

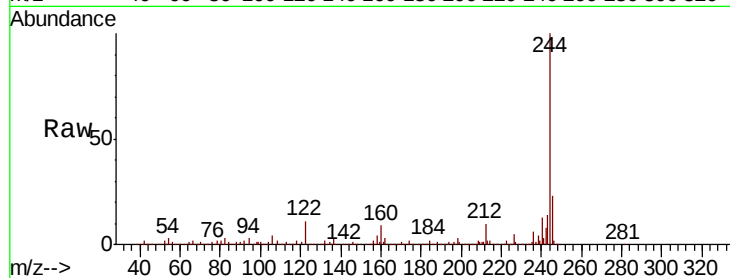
Tgt Ion:244 Resp: 1605046

Ion Ratio Lower Upper

244 100

212 9.6 7.3 10.9

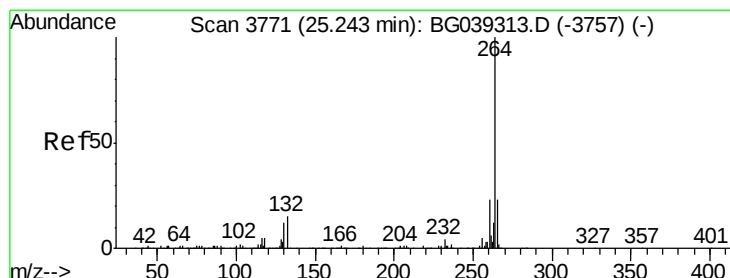
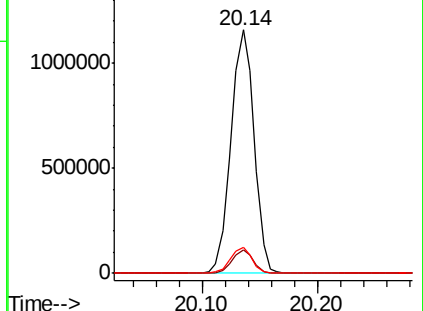
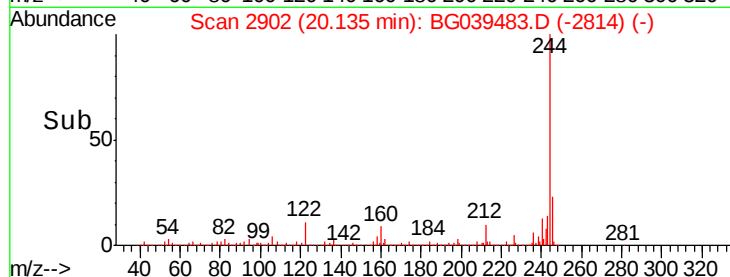
122 10.6 8.4 12.6



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: 25.21 min Scan# 3766

Delta R.T. -0.03 min

Lab File: BG039483.D

Acq: 13 Feb 2019 3:50

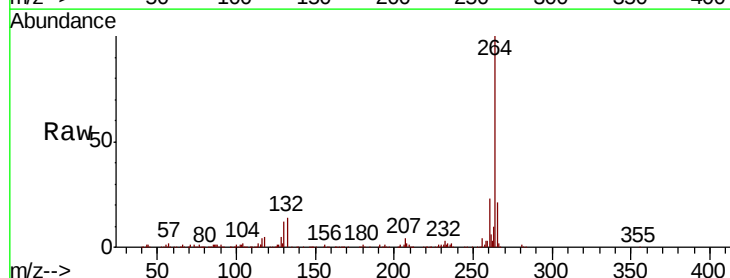
Tgt Ion:264 Resp: 374057

Ion Ratio Lower Upper

264 100

260 22.9 18.2 27.4

265 21.1 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

