

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011019\
 Data File : BG039073.D
 Acq On : 11 Jan 2019 4:29
 Operator : JU/SJ
 Sample : K1005-06
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 11 05:14:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 09 14:23:53 2019
 Response via : Initial Calibration

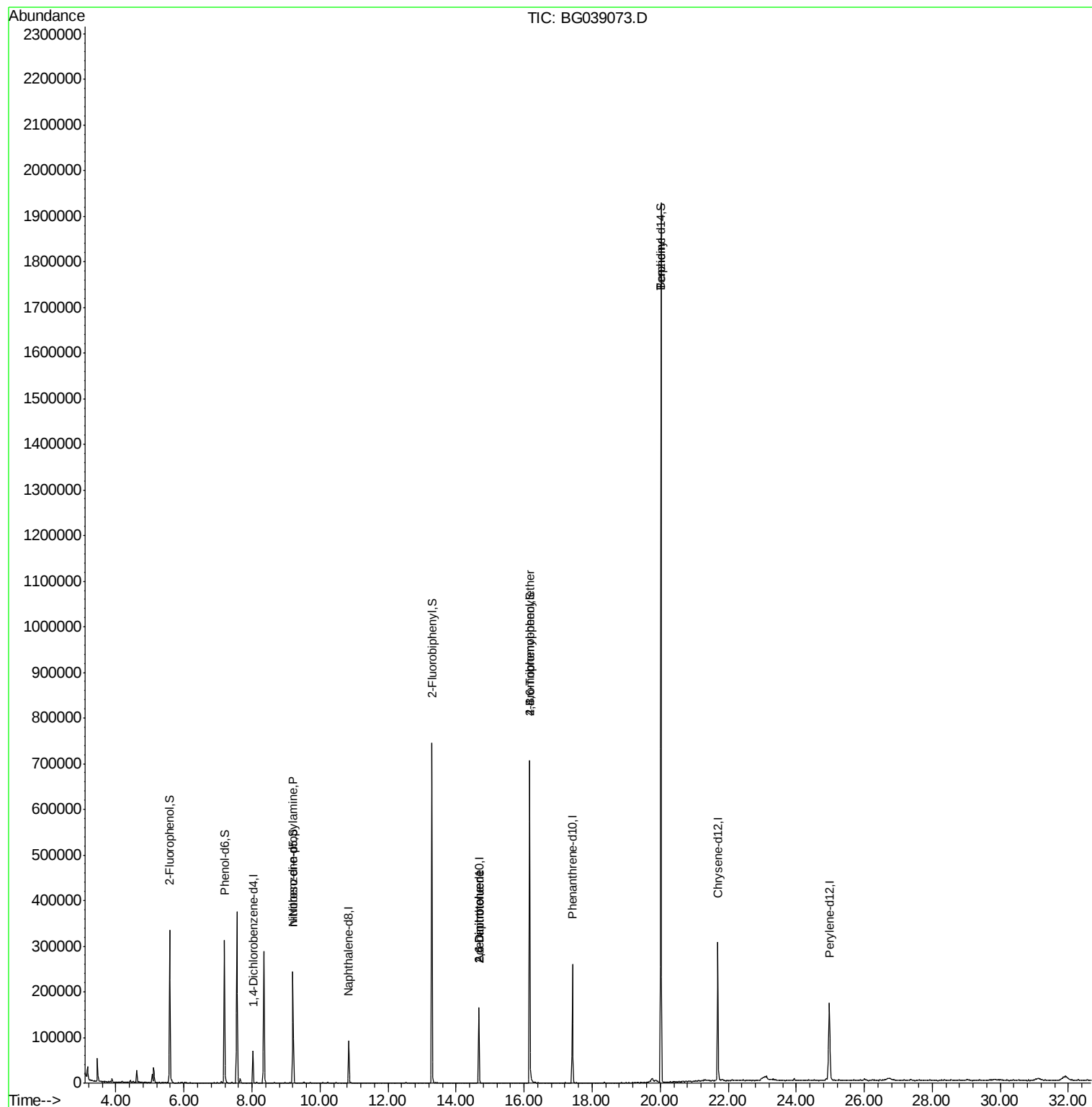
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	21855	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	86059	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	62296	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	174264	20.00	ng	0.00
76) Chrysene-d12	21.70	240	198371	20.00	ng	0.00
87) Perylene-d12	24.97	264	209627	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	153828	133.52	ng	0.00
7) Phenol-d6	7.19	99	187200	112.91	ng	0.00
23) Nitrobenzene-d5	9.20	82	147933	94.06	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	157029	150.37	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	409780	90.02	ng	0.00
79) Terphenyl-d14	20.02	244	971937	90.64	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	18913	17.371	ng	# 68
51) 2,6-Dinitrotoluene	14.67	165	7757	6.591	ng	# 24
57) 2,4-Dinitrotoluene	14.67	165	7757	4.594	ng	# 26
67) 4-Bromophenyl-phenylether	16.16	248	10019	4.473	ng	# 1
77) Benzidine	20.02	184	14669	2.418	ng	# 92

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

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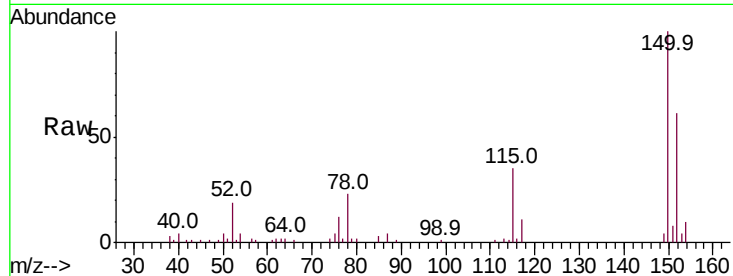


#1

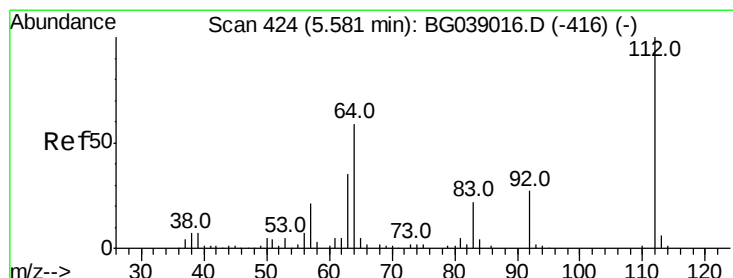
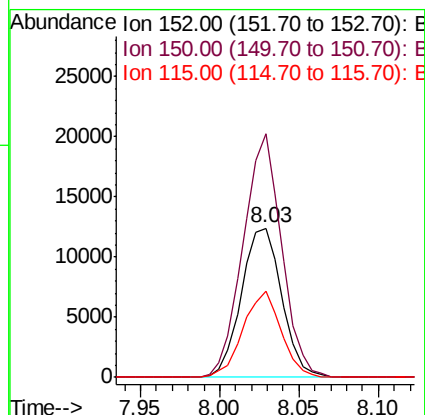
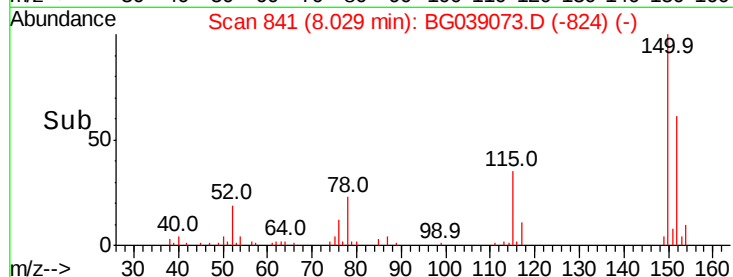
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.00 min
Lab File: BG039073.D
Acq: 11 Jan 2019 4:29

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 21855
Ion Ratio Lower Upper
152 100
150 163.2 124.7 187.1
115 57.8 46.5 69.7



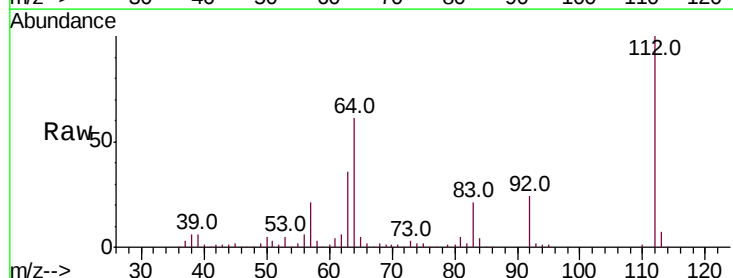
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



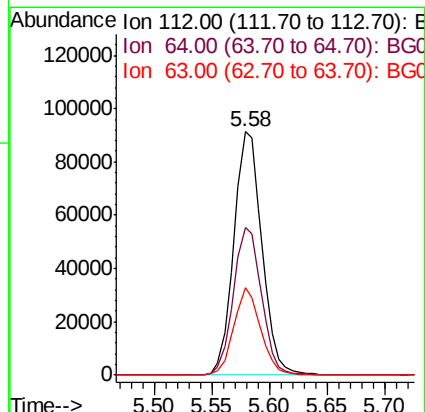
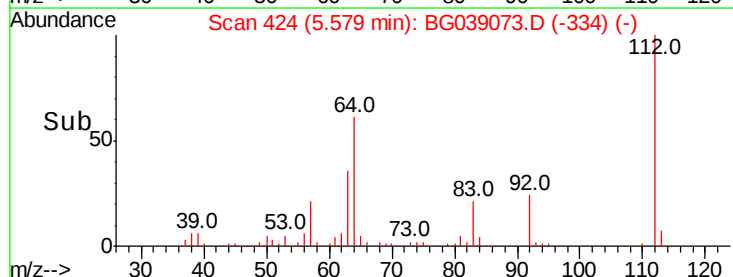
#5

2-Fluorophenol
Concen: 133.520 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG039073.D
Acq: 11 Jan 2019 4:29

Tgt Ion:112 Resp: 153828
Ion Ratio Lower Upper
112 100
64 60.7 47.0 70.6
63 35.9 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: 112.906 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG039073.D

Acq: 11 Jan 2019 4:29

Instrument :

BNA_G

ClientSampled :

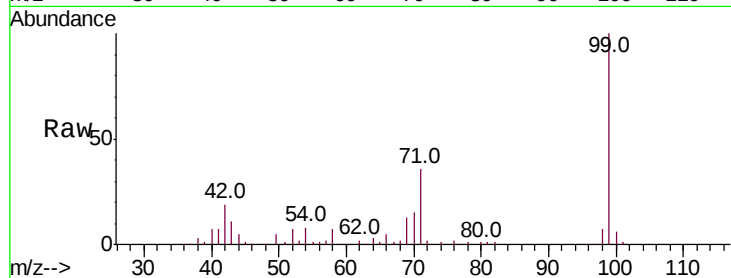
Tot Ion: 99 Resp: 187200

Ion Ratio Lower Upper

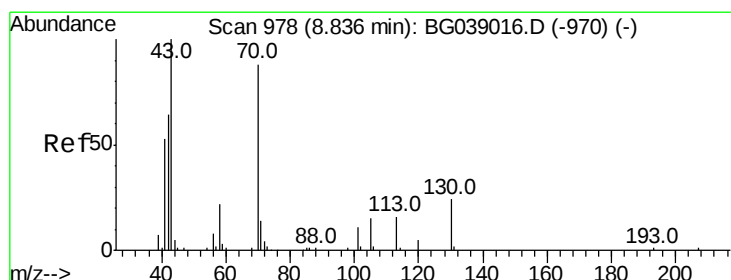
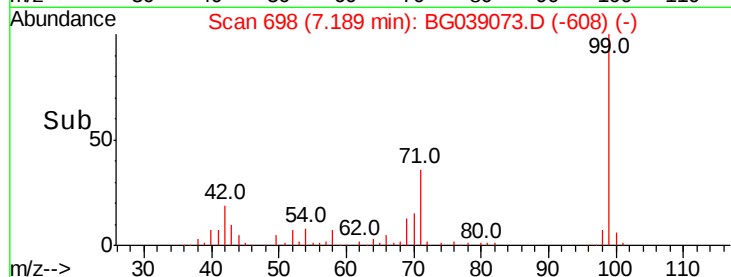
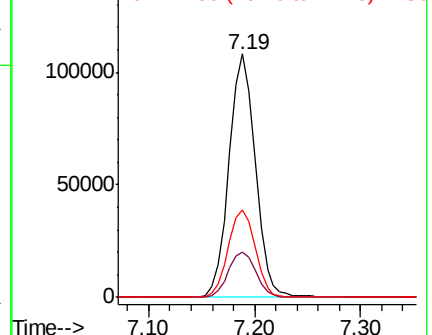
99 100

42 18.8 15.8 23.6

71 36.0 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: 17.371 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.37 min

Lab File: BG039073.D

Acq: 11 Jan 2019 4:29

Tgt Ion: 70 Resp: 18913

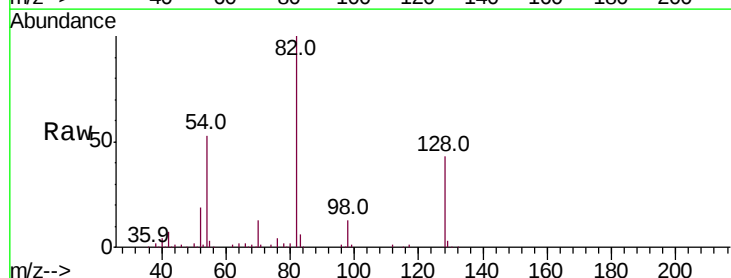
Ion Ratio Lower Upper

70 100

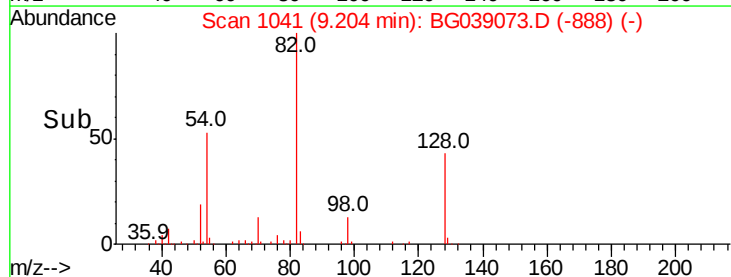
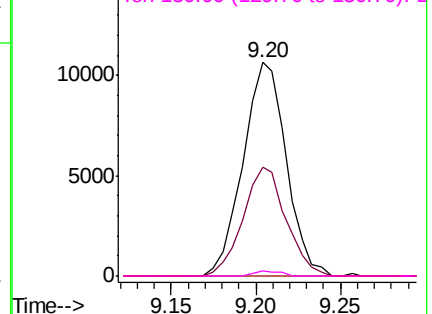
42 50.9 59.0 88.4#

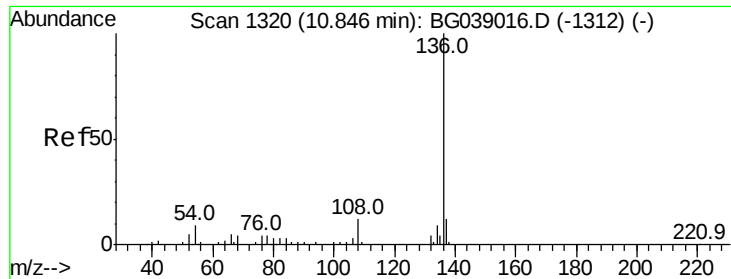
101 0.0 10.4 15.6#

130 2.6 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: 10.84 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BG039073.D

Acq: 11 Jan 2019 4:29

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 86059

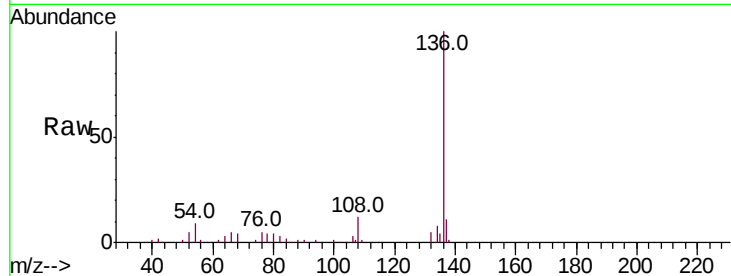
Ion Ratio Lower Upper

136 100

137 10.7 9.4 14.2

54 9.3 7.2 10.8

68 4.4 3.5 5.3

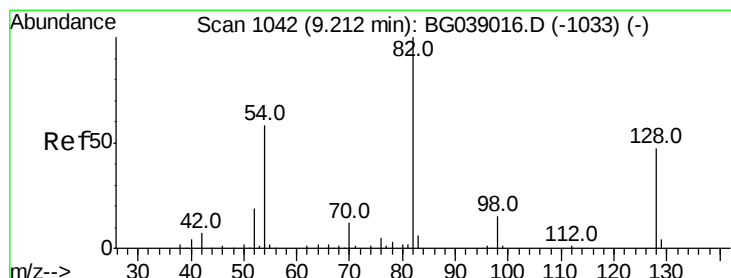
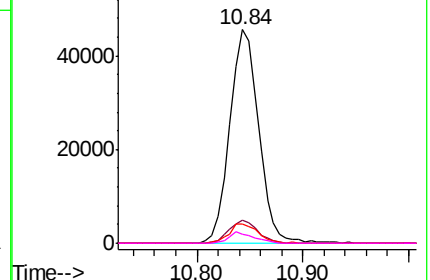
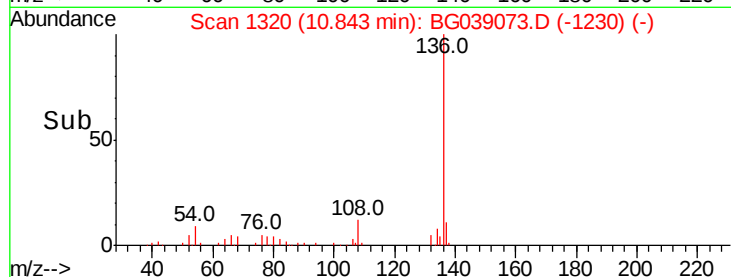


Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.061 ng

RT: 9.20 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BG039073.D

Acq: 11 Jan 2019 4:29

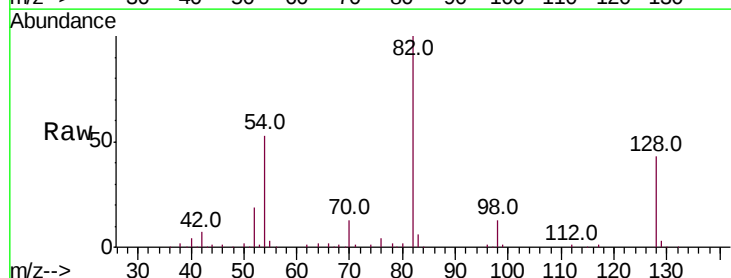
Tgt Ion: 82 Resp: 147933

Ion Ratio Lower Upper

82 100

128 43.1 37.3 55.9

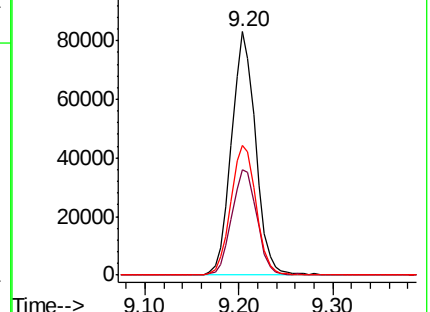
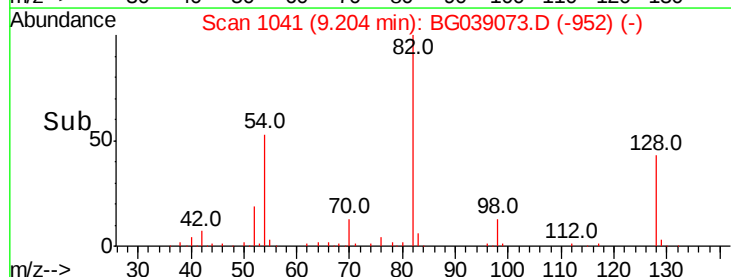
54 53.0 46.4 69.6

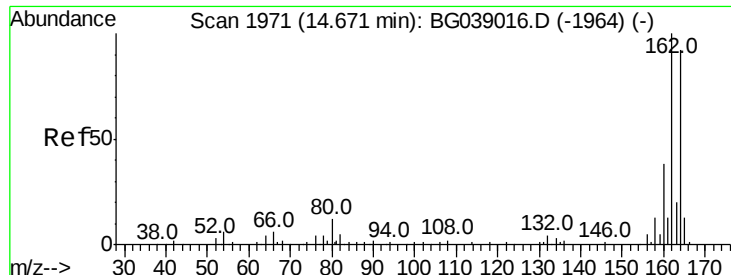


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

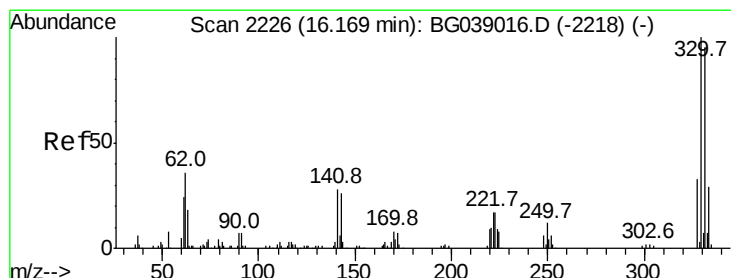
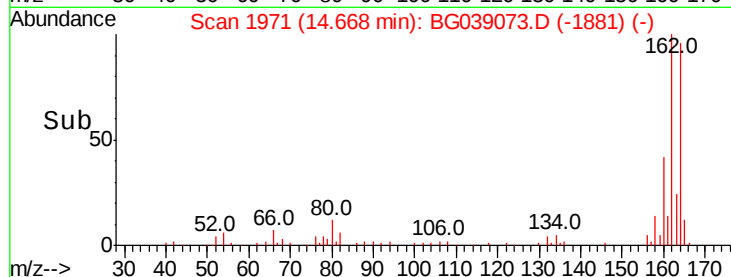
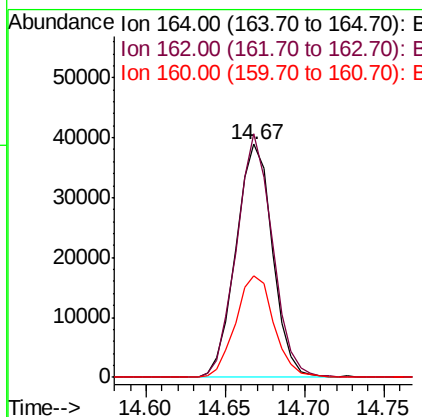
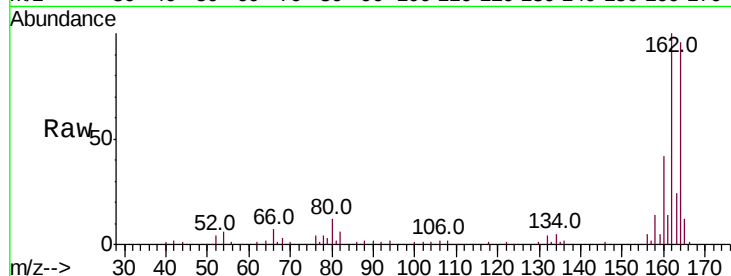




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: BG039073.D
 Acq: 11 Jan 2019 4:29

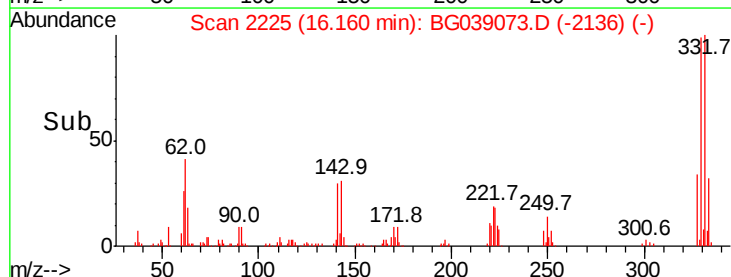
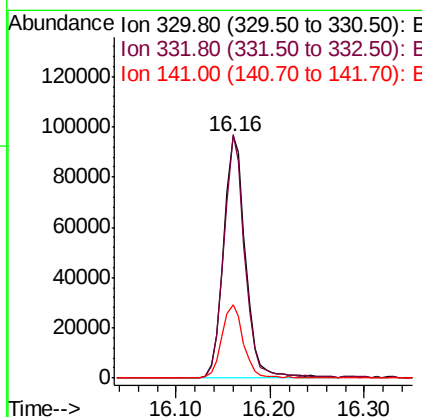
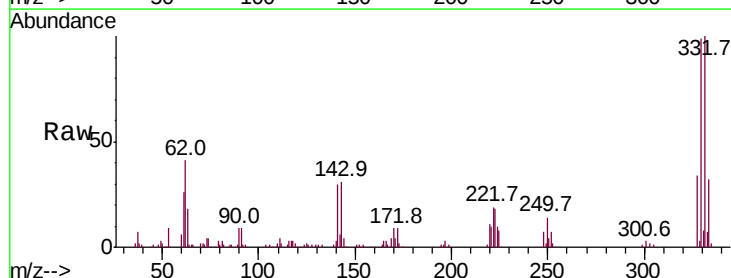
Instrument :
 BNA_G
 ClientSampleId :

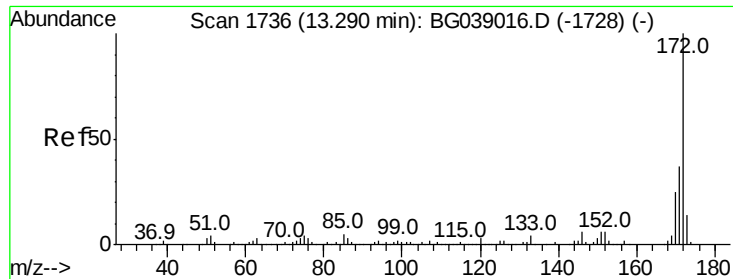
Tot Ion:164 Resp: 62296
 Ion Ratio Lower Upper
 164 100
 162 104.6 87.2 130.8
 160 43.8 33.3 49.9



#42
 2,4,6-Tribromophenol
 Concen: 150.374 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.01 min
 Lab File: BG039073.D
 Acq: 11 Jan 2019 4:29

Tgt Ion:330 Resp: 157029
 Ion Ratio Lower Upper
 330 100
 332 95.9 75.7 113.5
 141 30.3 24.9 37.3

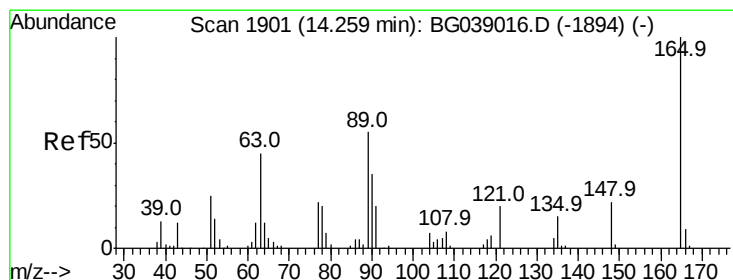
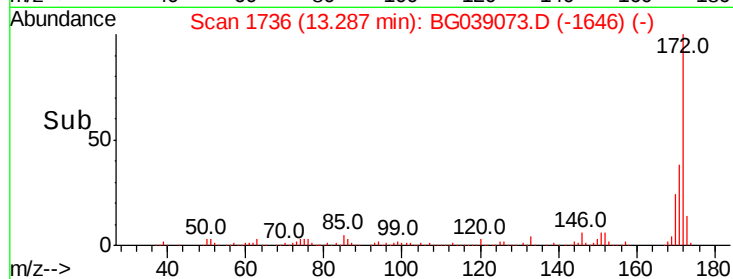
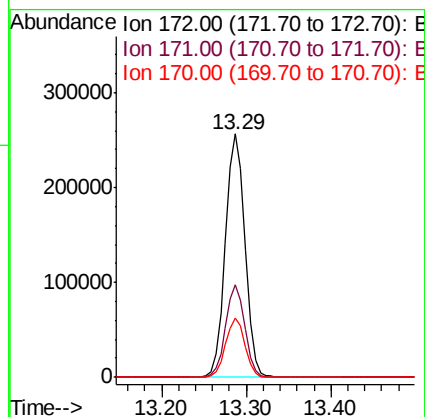
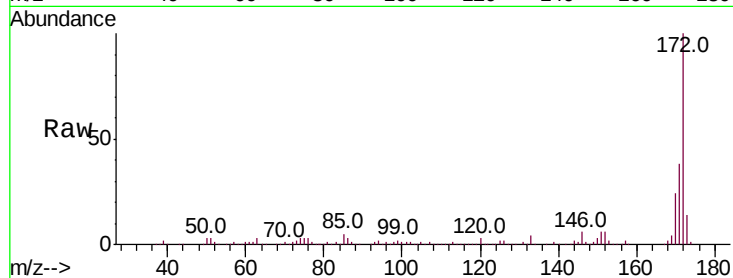




#45
 2-Fluorobiphenyl
 Concen: 90.023 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: BG039073.D
 Acq: 11 Jan 2019 4:29

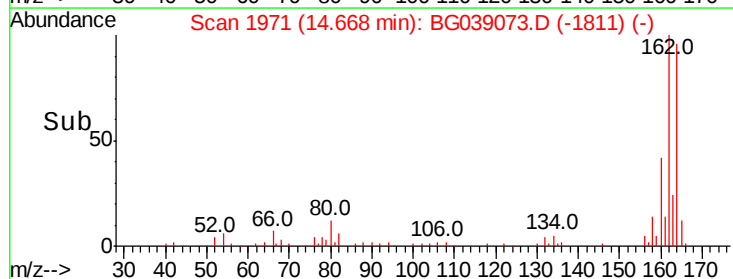
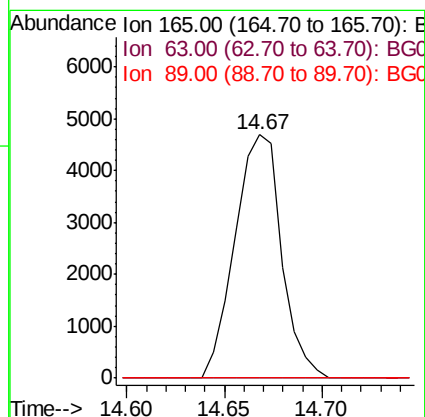
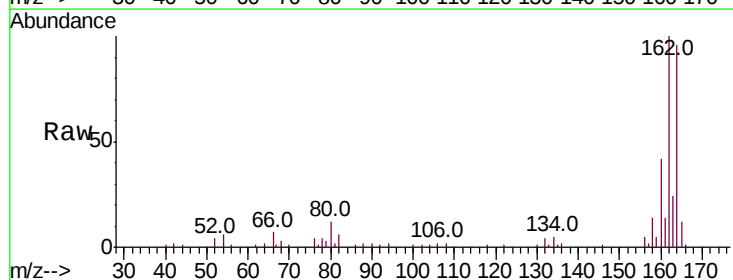
Instrument :
 BNA_G
 ClientSampleId :

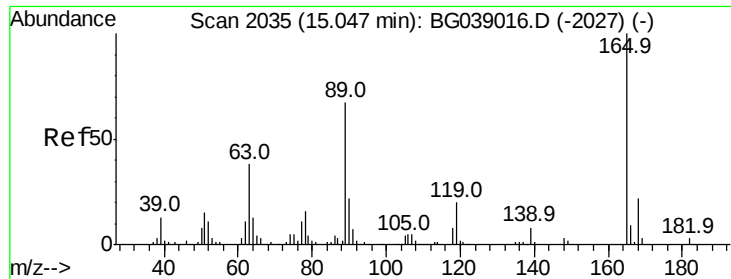
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.8	29.4	44.0
170	24.4	20.1	30.1



#51
 2,6-Dinitrotoluene
 Concen: 6.591 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. 0.41 min
 Lab File: BG039073.D
 Acq: 11 Jan 2019 4:29

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

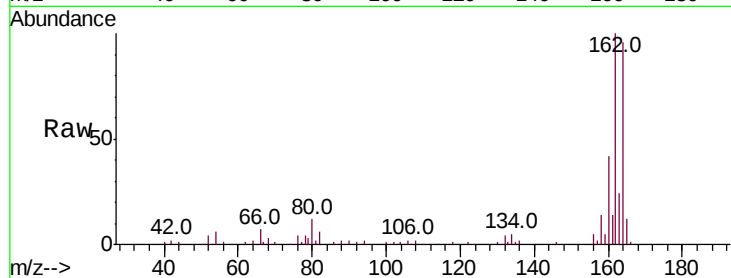




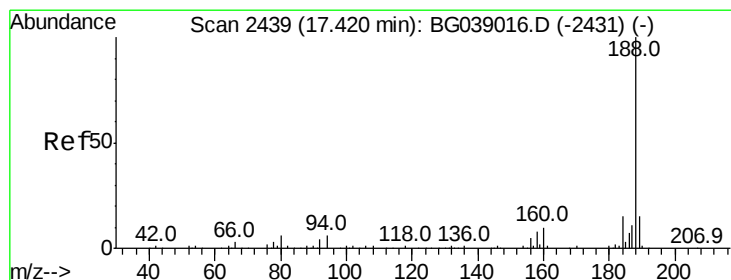
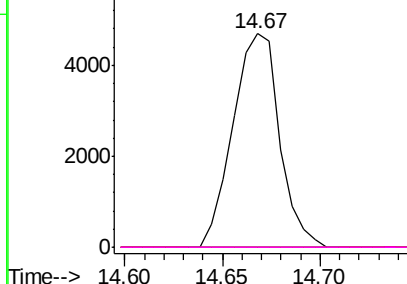
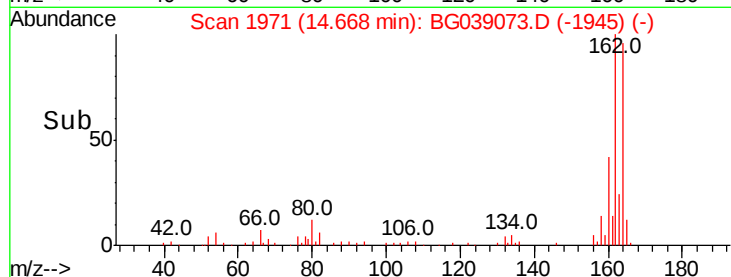
#57
 2,4-Dinitrotoluene
 Concen: 4.594 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.38 min
 Lab File: BG039073.D
 Acq: 11 Jan 2019 4:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 7757
 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#

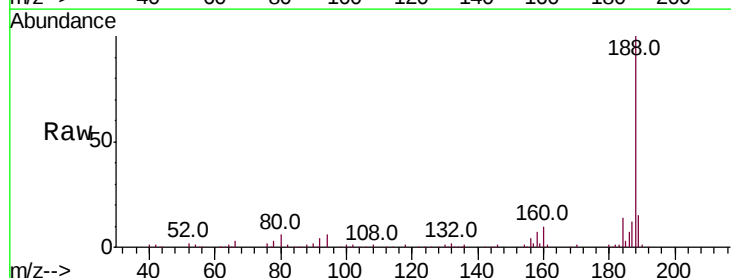


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG
 Ion 182.00 (181.70 to 182.70): E

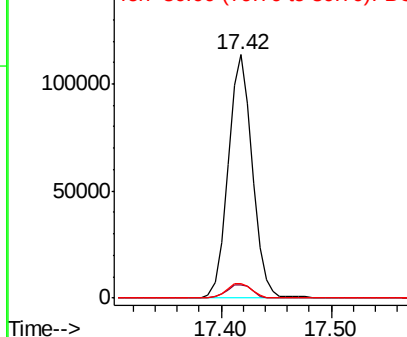
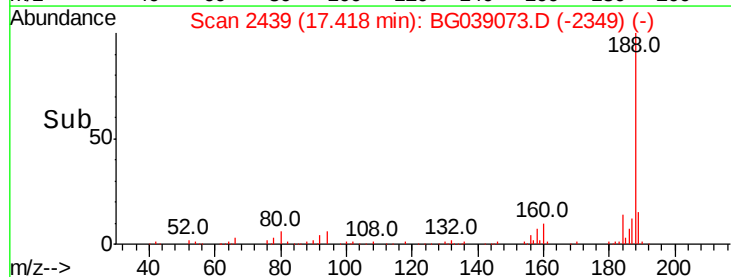


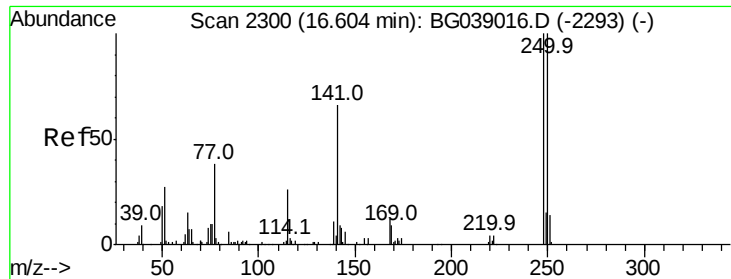
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.00 min
 Lab File: BG039073.D
 Acq: 11 Jan 2019 4:29

Tgt Ion:188 Resp: 174264
 Ion Ratio Lower Upper
 188 100
 94 5.5 5.0 7.4
 80 6.2 4.7 7.1



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

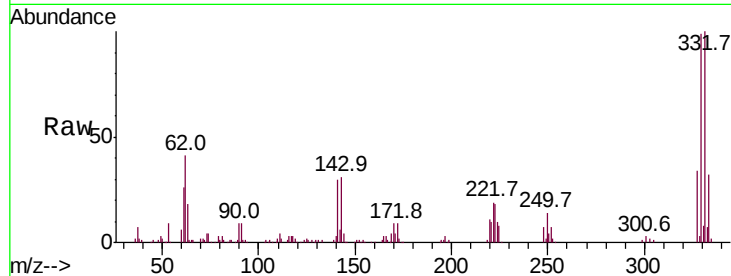




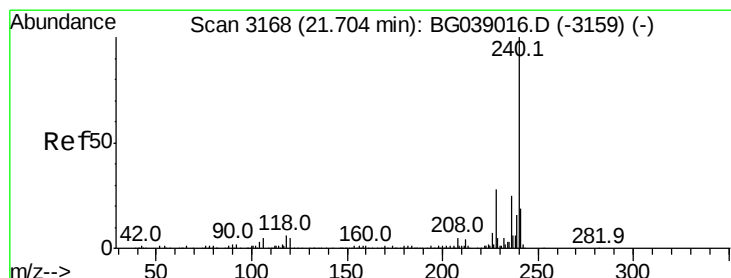
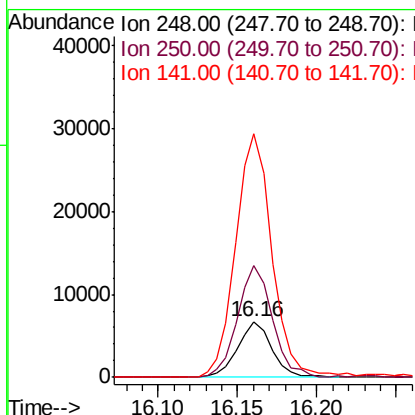
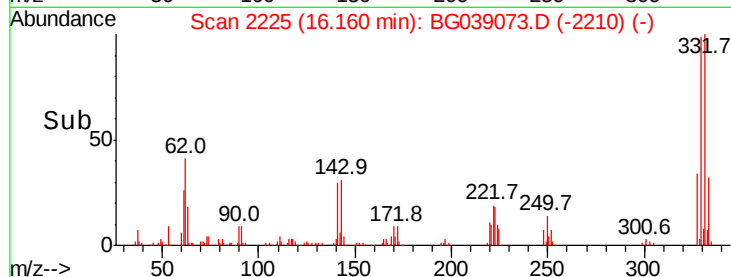
#67
4-Bromophenyl-phenylether
Concen: 4.473 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.44 min
Lab File: BG039073.D
Acq: 11 Jan 2019 4:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 10019
Ion Ratio Lower Upper
248 100
250 250.7 79.9 119.9#
141 435.3 52.7 79.1#

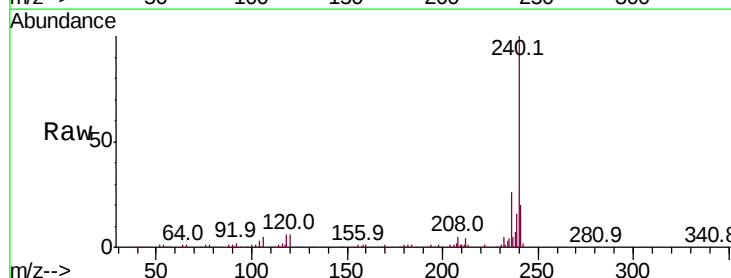


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

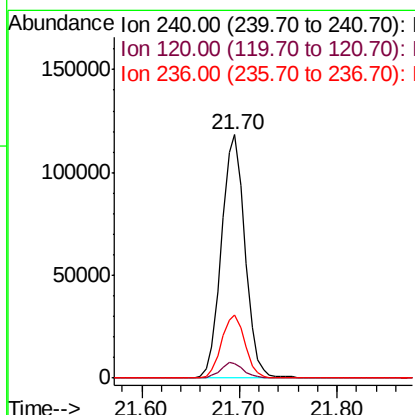
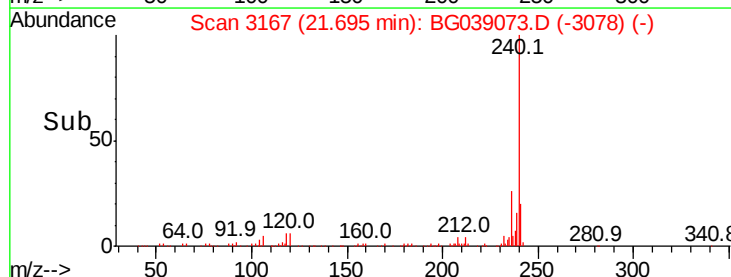


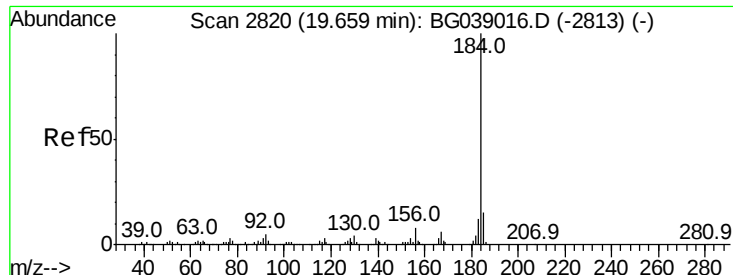
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. -0.01 min
Lab File: BG039073.D
Acq: 11 Jan 2019 4:29

Tgt Ion:240 Resp: 198371
Ion Ratio Lower Upper
240 100
120 6.1 4.3 6.5
236 25.8 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: 2.418 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.36 min

Lab File: BG039073.D

Acq: 11 Jan 2019 4:29

Instrument :

BNA_G

ClientSampleId :

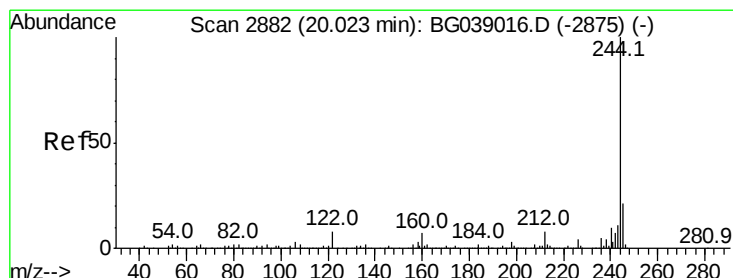
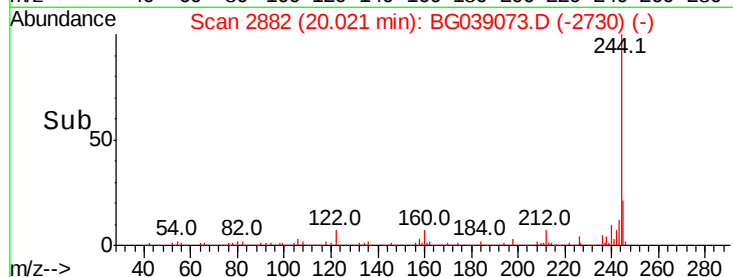
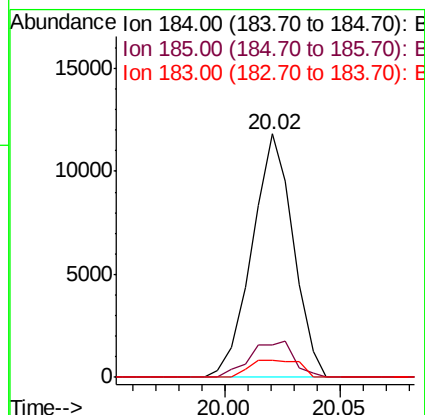
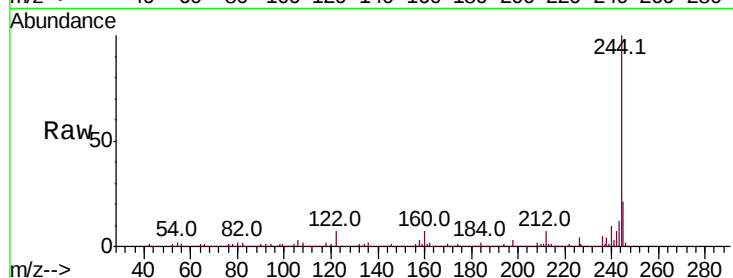
Tot Ion:184 Resp: 14669

Ion Ratio Lower Upper

184 100

185 13.4 12.1 18.1

183 7.0 9.5 14.3#



#79

Terphenyl-d14

Concen: 90.637 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG039073.D

Acq: 11 Jan 2019 4:29

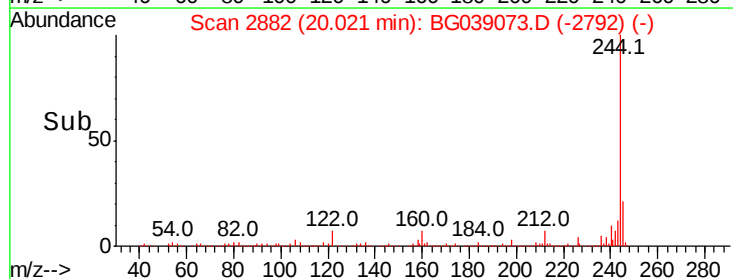
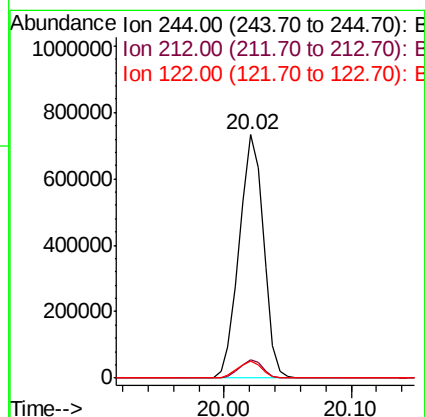
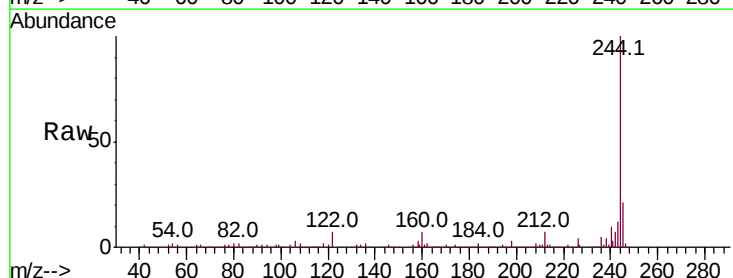
Tgt Ion:244 Resp: 971937

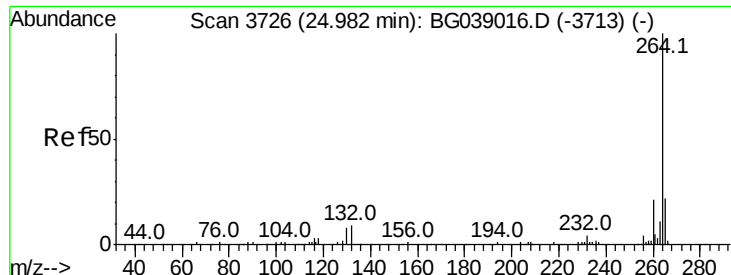
Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

122 7.1 6.1 9.1

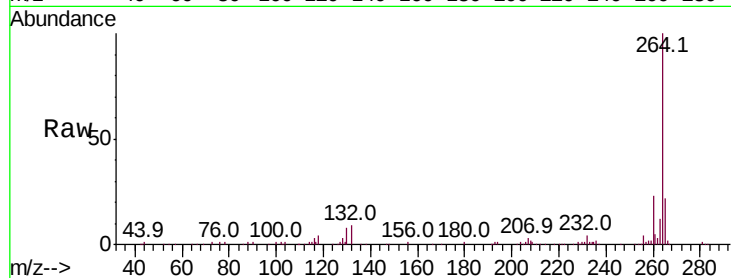




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.97 min Scan# 3724
 Delta R.T. -0.01 min
 Lab File: BG039073.D
 Acq: 11 Jan 2019 4:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.0	25.6
265	21.5	17.2	25.8



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

