

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011119\
 Data File : BG039098.D
 Acq On : 11 Jan 2019 23:22
 Operator : JU/SJ
 Sample : K1100-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 12 00:29:50 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

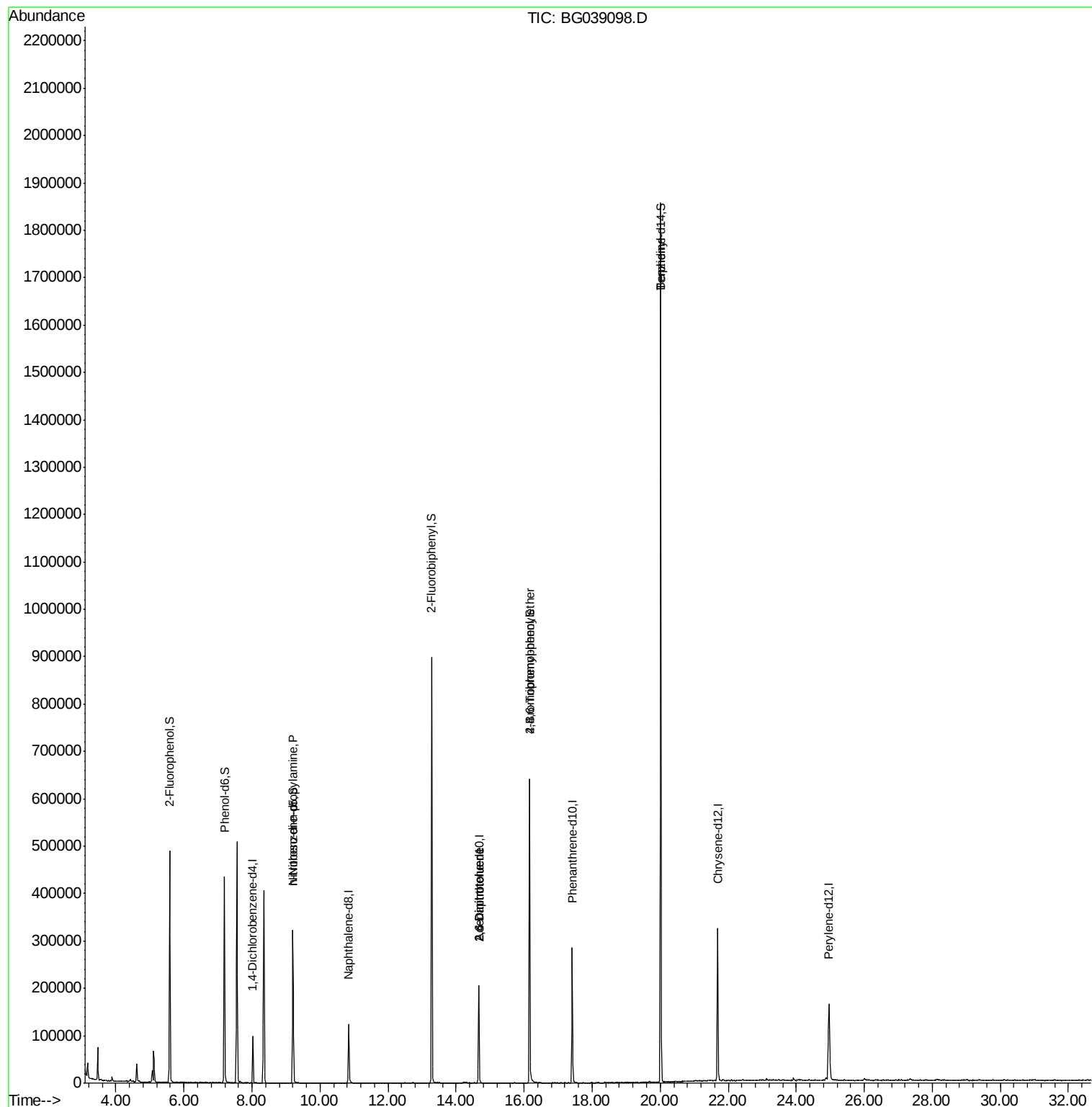
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	29665	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	114945	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	78653	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	194618	20.00	ng	0.00
76) Chrysene-d12	21.69	240	208065	20.00	ng	-0.01
87) Perylene-d12	24.96	264	209849	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	229517	146.77	ng	0.00
7) Phenol-d6	7.19	99	273744	121.64	ng	0.00
23) Nitrobenzene-d5	9.20	82	198542	94.52	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	146537	111.14	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	518292	90.18	ng	0.00
79) Terphenyl-d14	20.01	244	984213	87.51	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	25939	17.552	ng	# 63
51) 2,6-Dinitrotoluene	14.66	165	10250	6.898	ng	# 24
57) 2,4-Dinitrotoluene	14.66	165	10250	4.808	ng	# 26
67) 4-Bromophenyl-phenylether	16.16	248	9581	3.830	ng	# 1
77) Benzidine	20.01	184	15636	2.457	ng	# 93

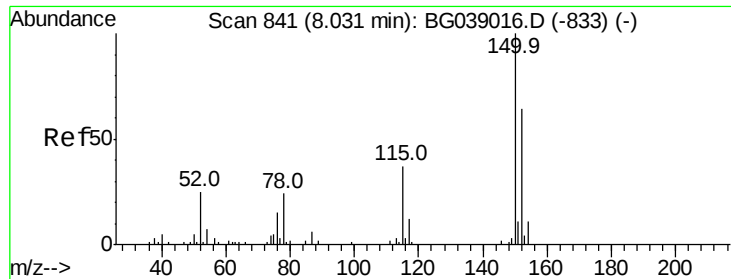
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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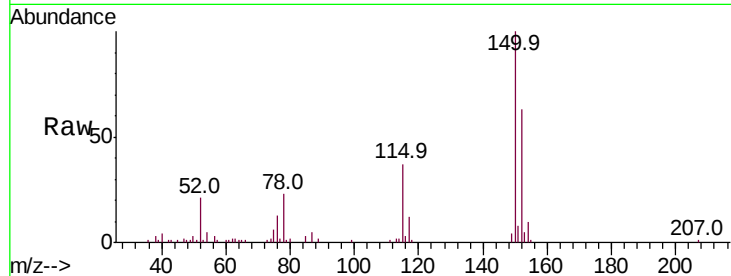


#1

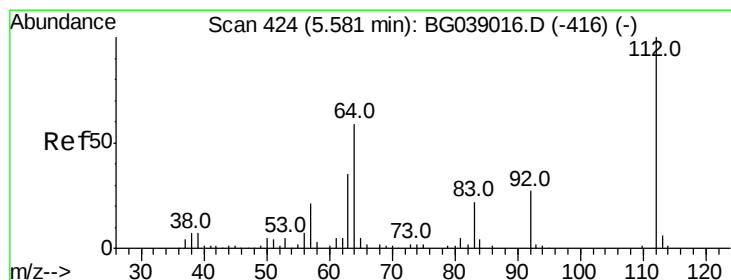
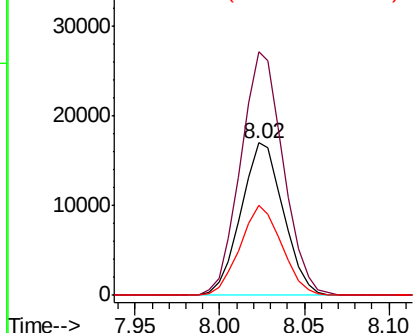
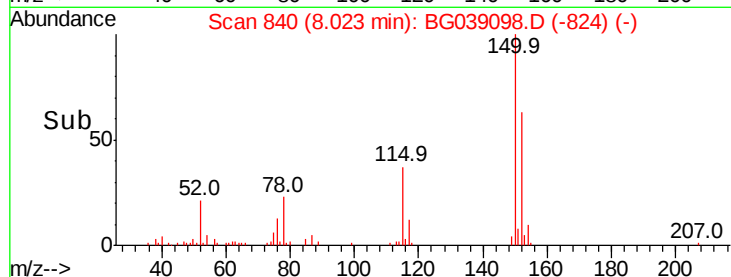
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.01 min
Lab File: BG039098.D
Acq: 11 Jan 2019 23:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 29665
Ion Ratio Lower Upper
152 100
150 159.8 124.7 187.1
115 58.8 46.5 69.7



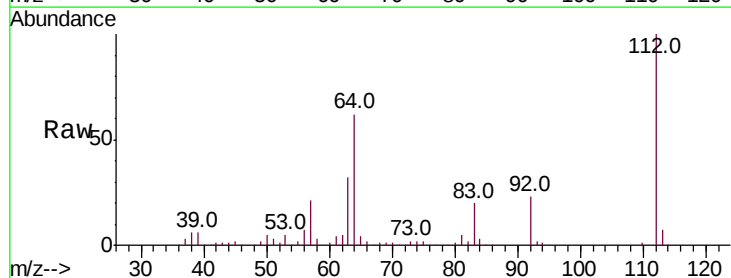
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



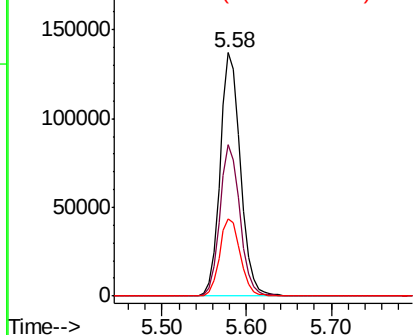
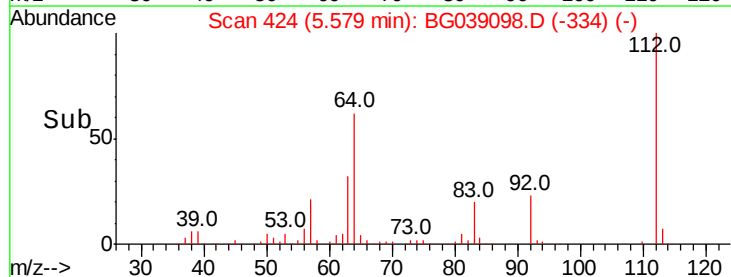
#5

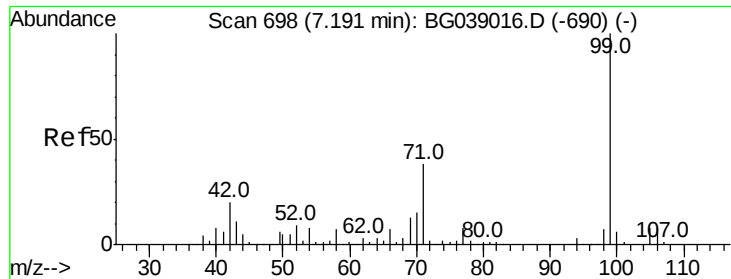
2-Fluorophenol
Concen: 146.769 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG039098.D
Acq: 11 Jan 2019 23:22

Tgt Ion:112 Resp: 229517
Ion Ratio Lower Upper
112 100
64 62.2 47.0 70.6
63 32.0 28.0 42.0



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: 121.636 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG039098.D

Acq: 11 Jan 2019 23:22

Instrument :

BNA_G

ClientSampleId :

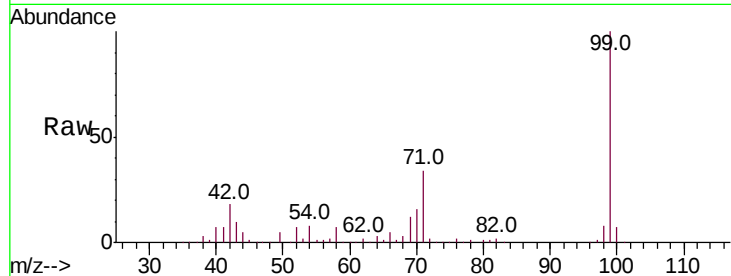
Tot Ion: 99 Resp: 273744

Ion Ratio Lower Upper

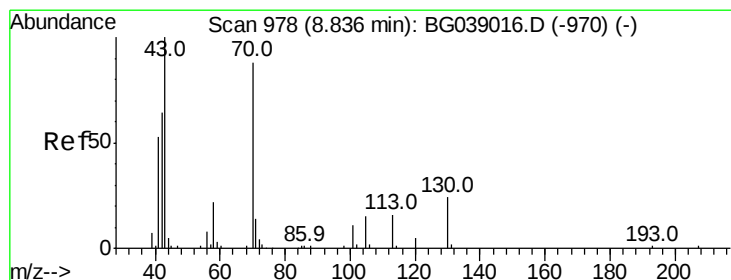
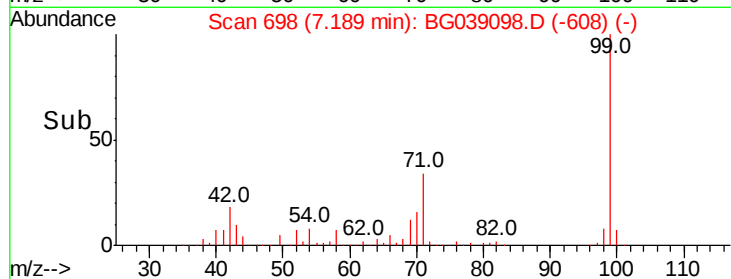
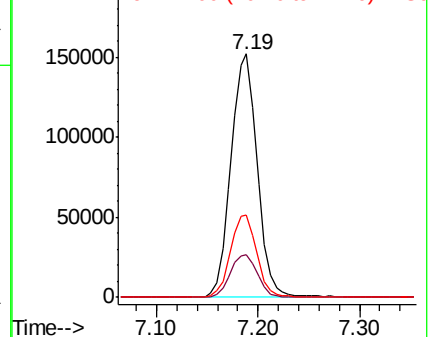
99 100

42 17.6 15.8 23.6

71 33.9 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: 17.552 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.37 min

Lab File: BG039098.D

Acq: 11 Jan 2019 23:22

Tgt Ion: 70 Resp: 25939

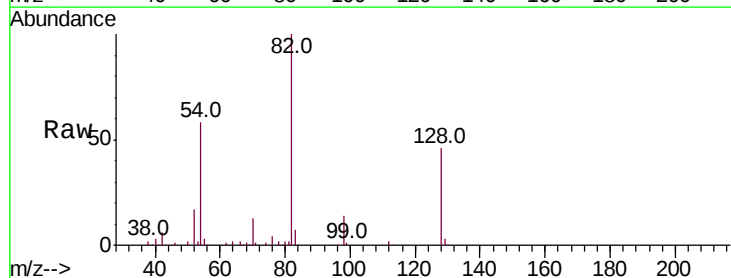
Ion Ratio Lower Upper

70 100

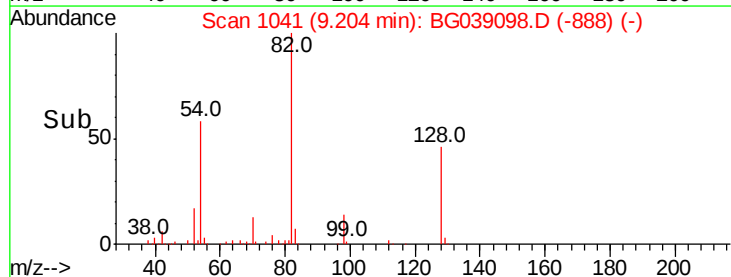
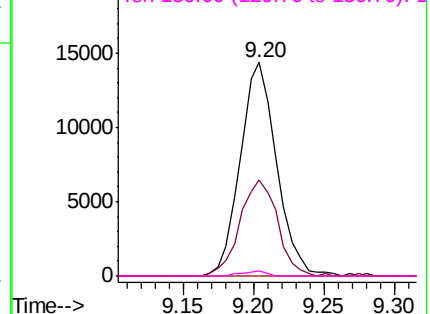
42 44.7 59.0 88.4#

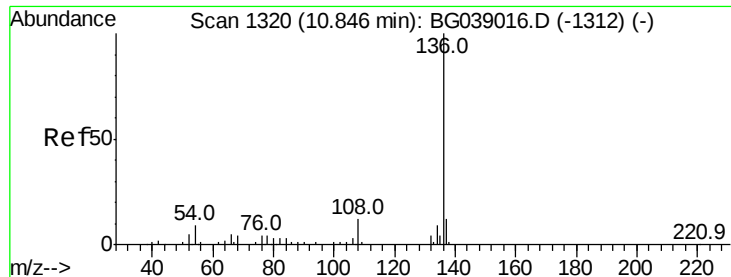
101 0.0 10.4 15.6#

130 2.3 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

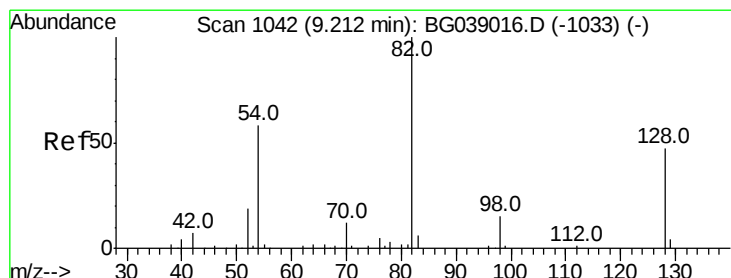
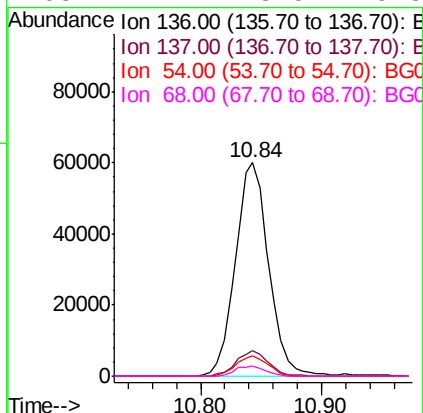
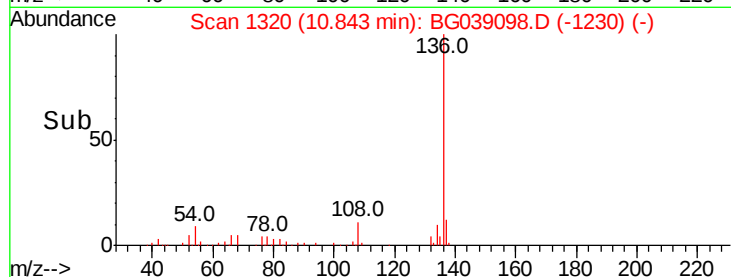
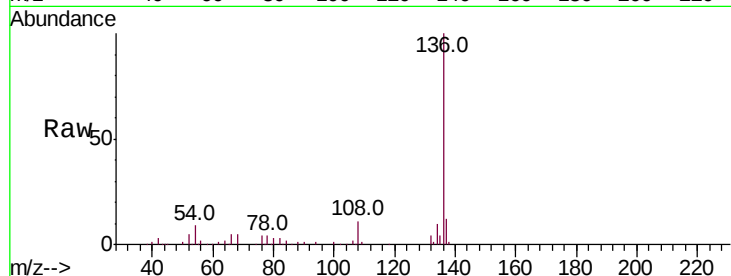




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BG039098.D
Acq: 11 Jan 2019 23:22

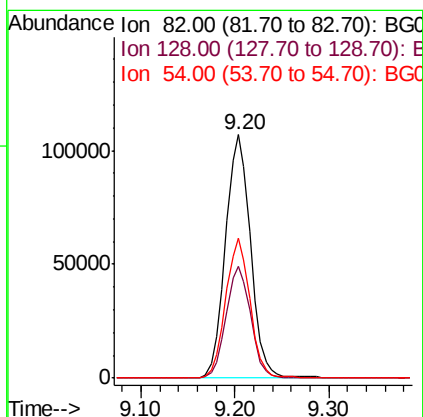
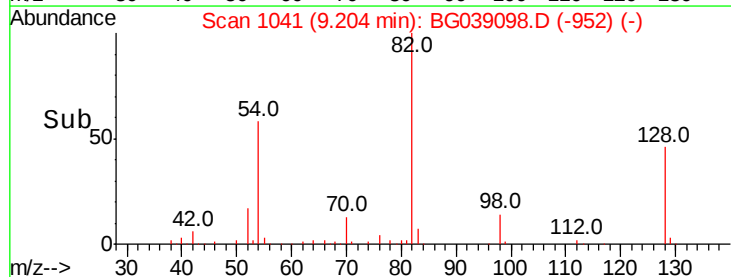
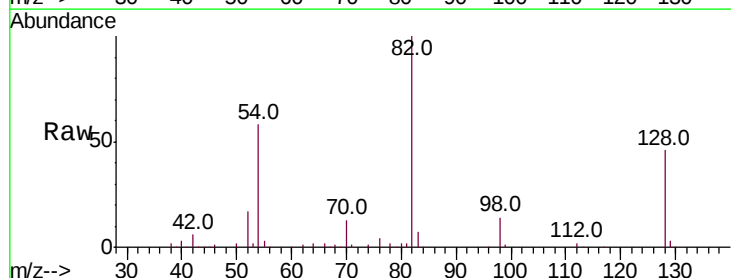
Instrument :
BNA_G
ClientSampleId :

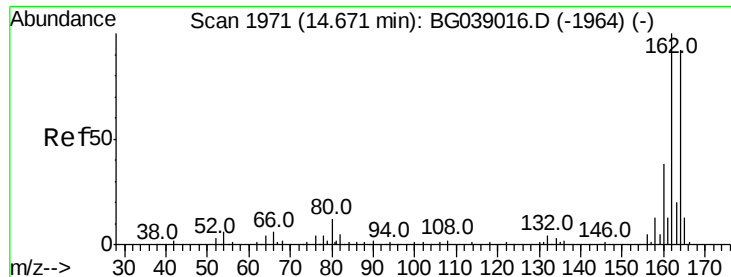
Tot Ion:136	Resp:	114945
Ion	Ratio	Lower Upper
136	100	
137	11.9	9.4 14.2
54	9.4	7.2 10.8
68	4.7	3.5 5.3



#23
Nitrobenzene-d5
Concen: 94.516 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG039098.D
Acq: 11 Jan 2019 23:22

Tgt Ion: 82	Resp:	198542
Ion	Ratio	Lower Upper
82	100	
128	45.9	37.3 55.9
54	57.5	46.4 69.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.01 min

Lab File: BG039098.D

Acq: 11 Jan 2019 23:22

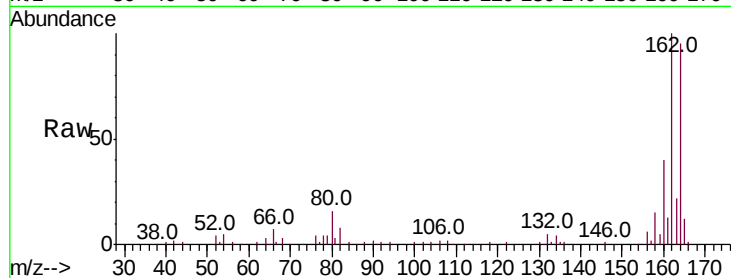
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 78653

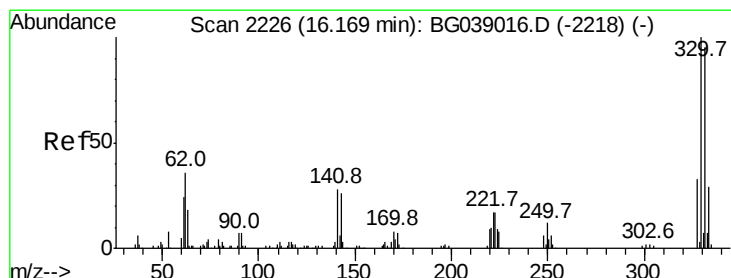
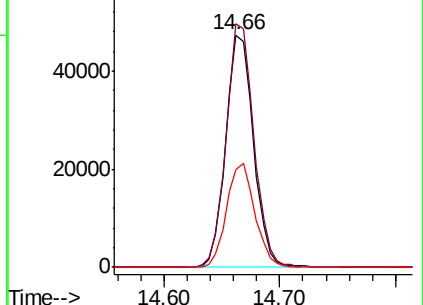
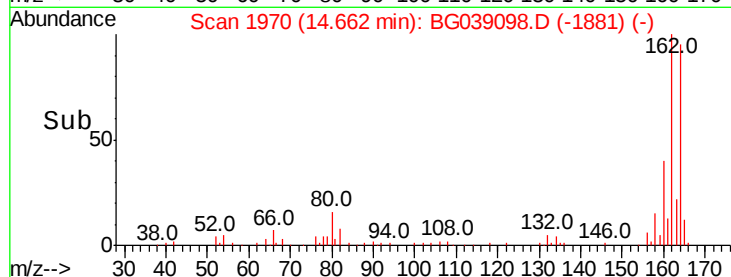
Ion	Ratio	Lower	Upper
164	100		
162	104.9	87.2	130.8
160	42.0	33.3	49.9



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: 111.144 ng

RT: 16.16 min Scan# 2225

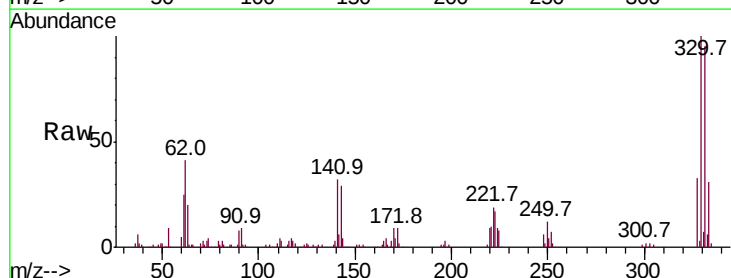
Delta R.T. -0.01 min

Lab File: BG039098.D

Acq: 11 Jan 2019 23:22

Tgt Ion:330 Resp: 146537

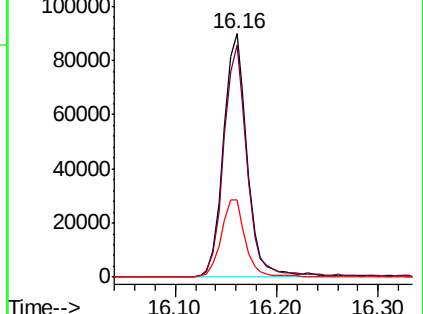
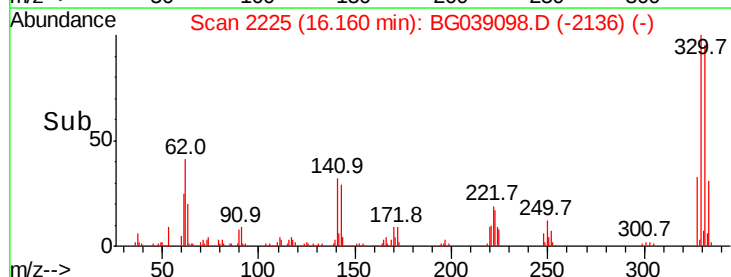
Ion	Ratio	Lower	Upper
330	100		
332	95.0	75.7	113.5
141	32.4	24.9	37.3

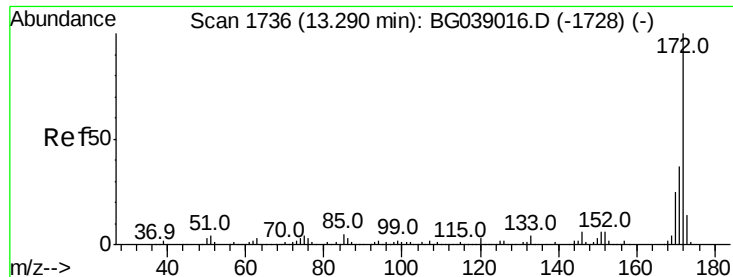


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

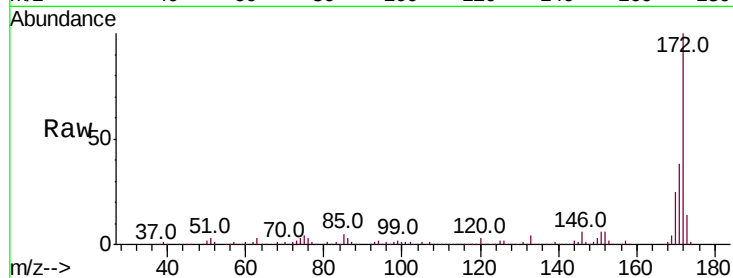




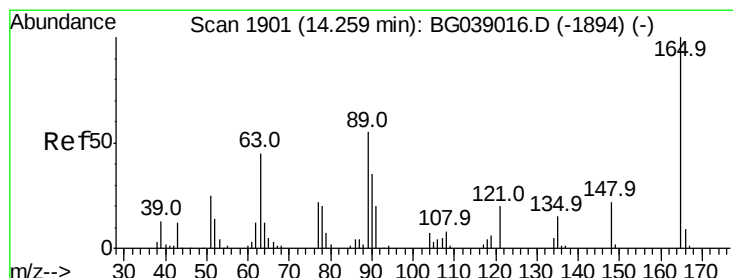
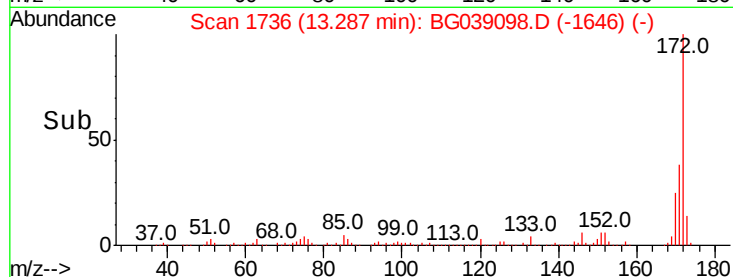
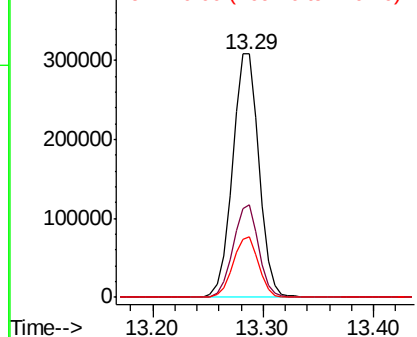
#45
 2-Fluorobiphenyl
 Concen: 90.183 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: BG039098.D
 Acq: 11 Jan 2019 23:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.9	29.4	44.0
170	25.0	20.1	30.1

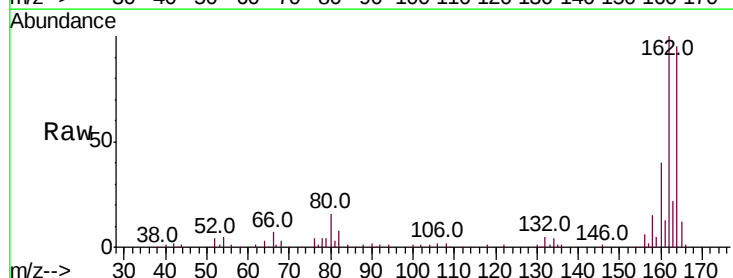


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

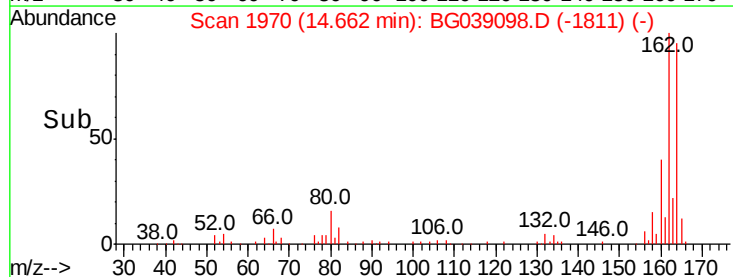
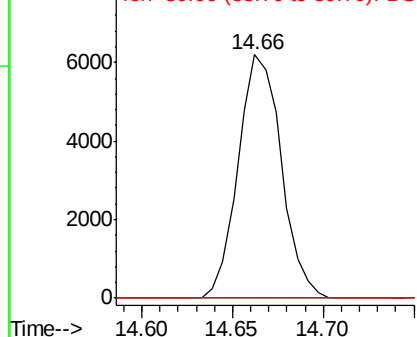


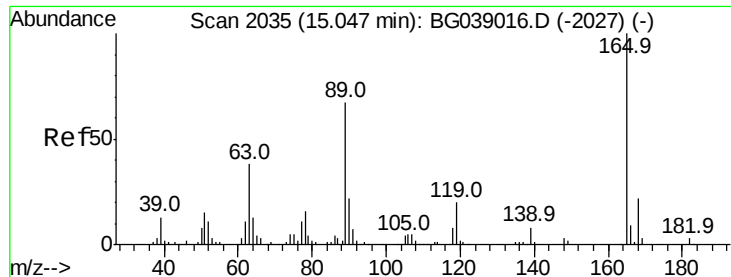
#51
 2,6-Dinitrotoluene
 Concen: 6.898 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.40 min
 Lab File: BG039098.D
 Acq: 11 Jan 2019 23:22

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

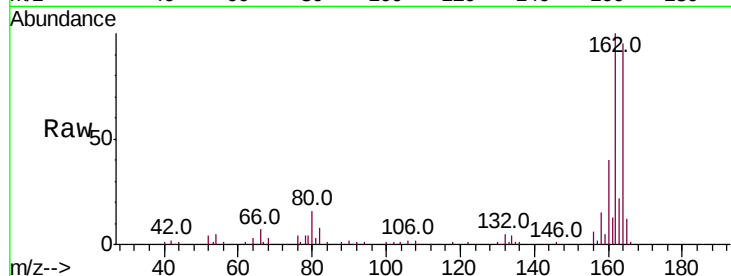




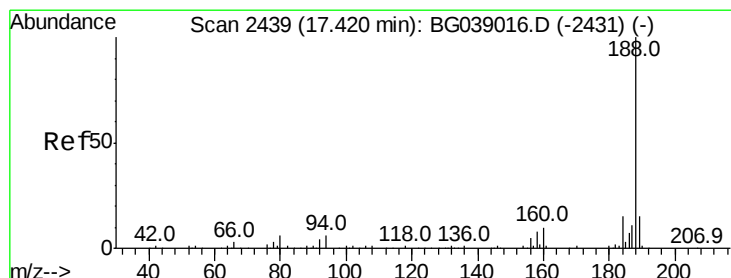
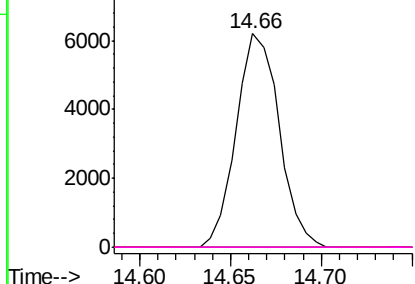
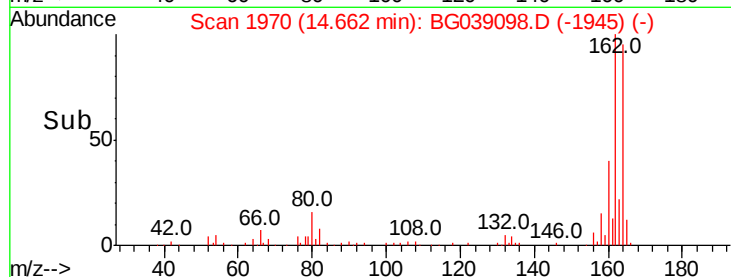
#57
 2,4-Dinitrotoluene
 Concen: 4.808 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.38 min
 Lab File: BG039098.D
 Acq: 11 Jan 2019 23:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 10250
 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#

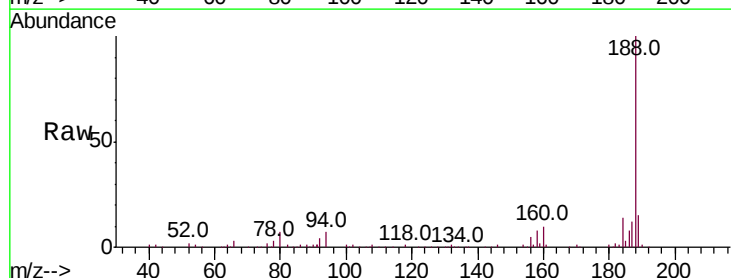


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

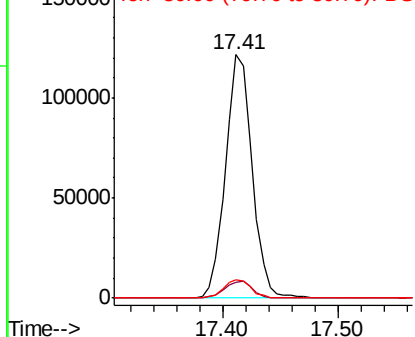
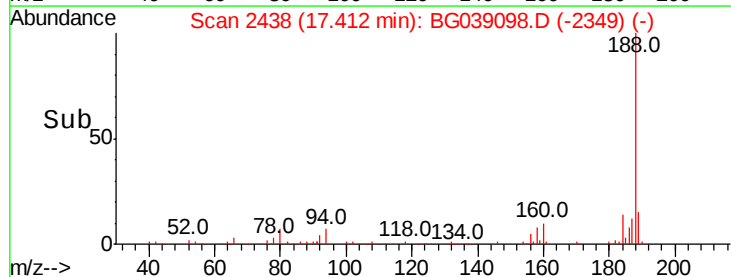


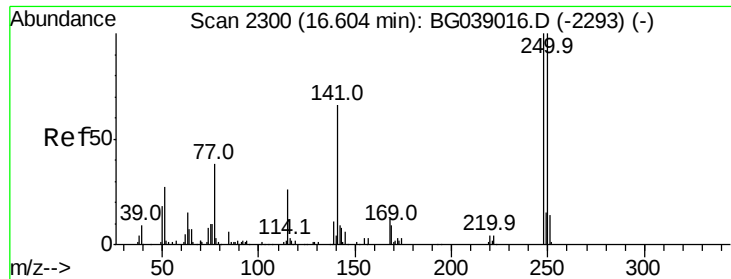
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: BG039098.D
 Acq: 11 Jan 2019 23:22

Tgt Ion:188 Resp: 194618
 Ion Ratio Lower Upper
 188 100
 94 6.6 5.0 7.4
 80 7.4 4.7 7.1#



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

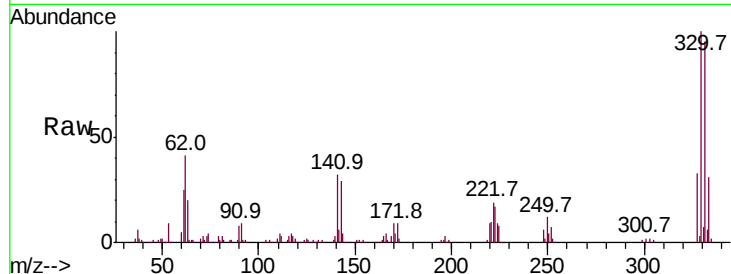




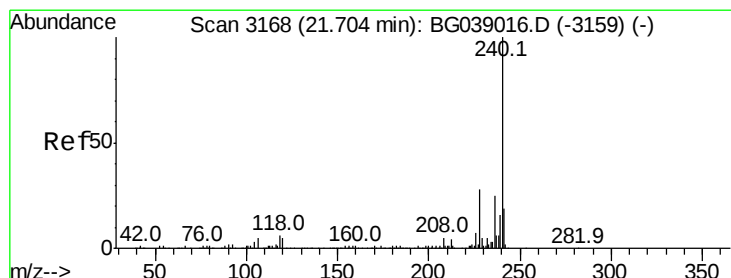
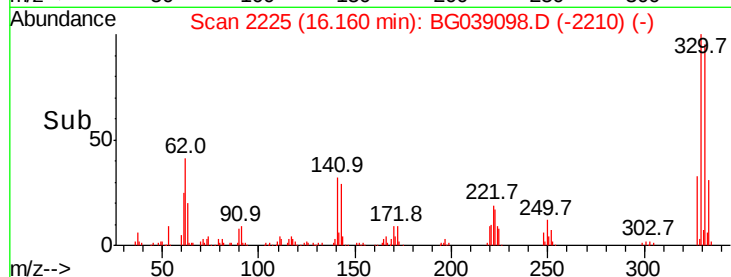
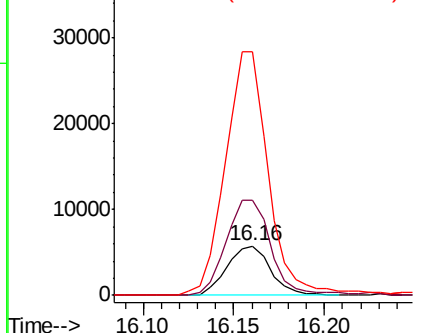
#67
 4-Bromophenyl-phenylether
 Concen: 3.830 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.44 min
 Lab File: BG039098.D
 Acq: 11 Jan 2019 23:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 9581
 Ion Ratio Lower Upper
 248 100
 250 184.5 79.9 119.9#
 141 366.5 52.7 79.1#

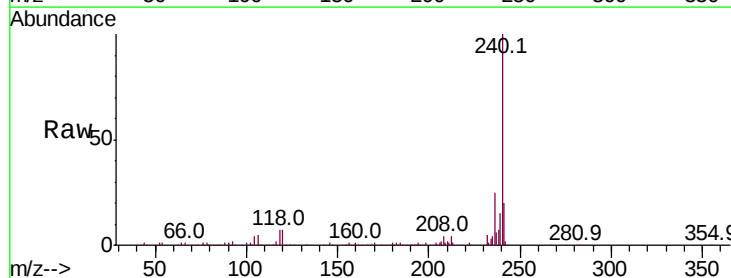


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

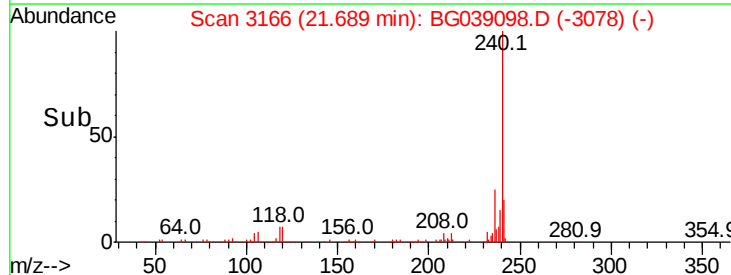
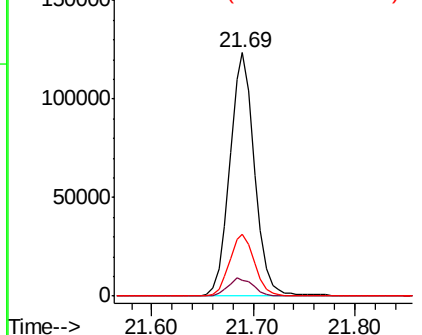


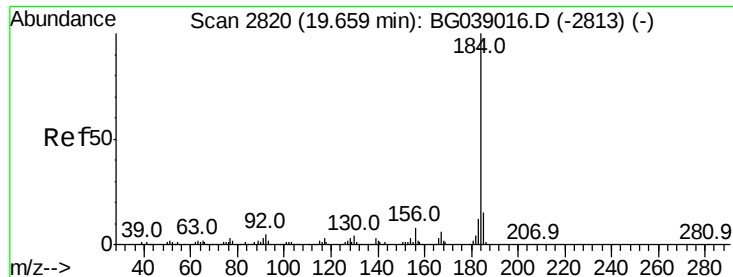
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.01 min
 Lab File: BG039098.D
 Acq: 11 Jan 2019 23:22

Tgt Ion:240 Resp: 208065
 Ion Ratio Lower Upper
 240 100
 120 6.6 4.3 6.5#
 236 25.2 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: 2.457 ng

RT: 20.01 min Scan# 2881

Delta R.T. 0.36 min

Lab File: BG039098.D

Acq: 11 Jan 2019 23:22

Instrument :

BNA_G

ClientSampleId :

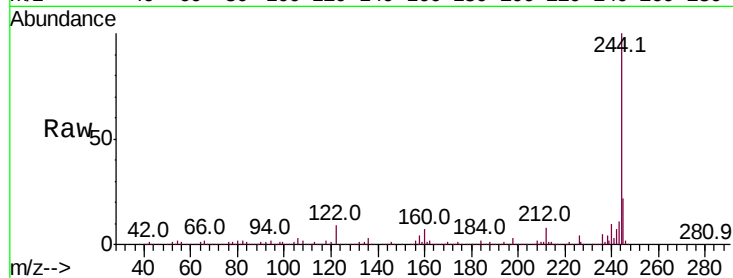
Tot Ion:184 Resp: 15636

Ion Ratio Lower Upper

184 100

185 16.3 12.1 18.1

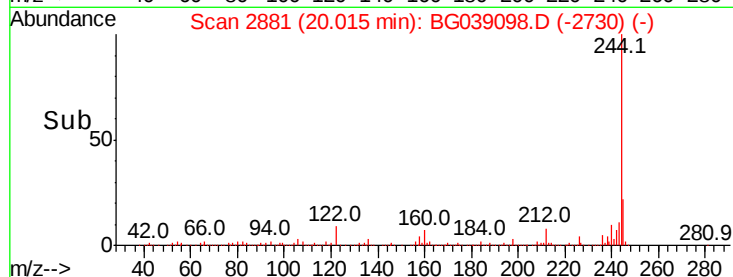
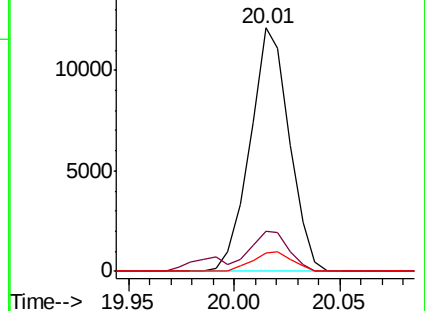
183 7.6 9.5 14.3#



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: 87.506 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG039098.D

Acq: 11 Jan 2019 23:22

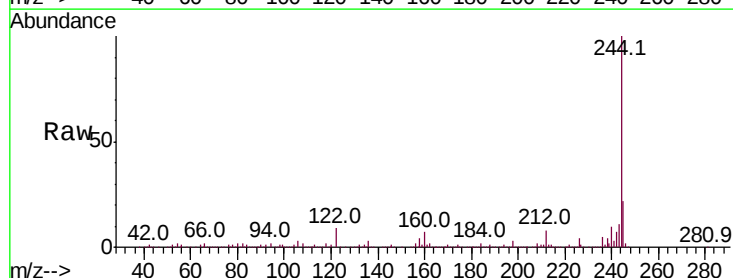
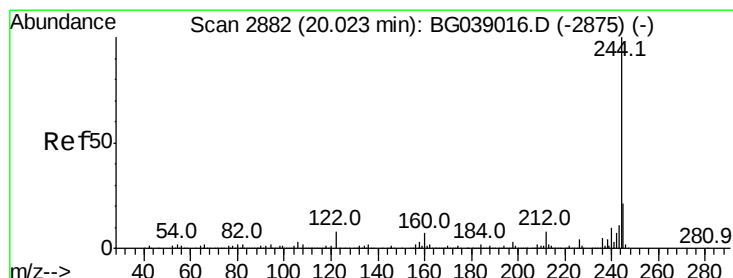
Tgt Ion:244 Resp: 984213

Ion Ratio Lower Upper

244 100

212 7.8 6.1 9.1

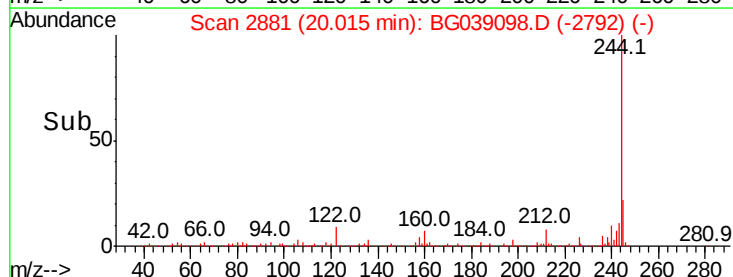
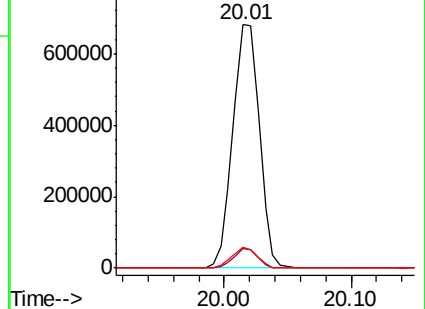
122 8.6 6.1 9.1

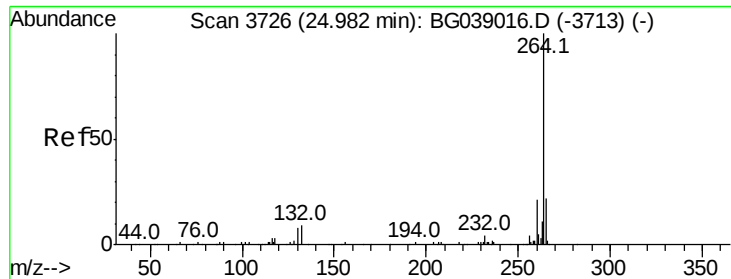


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.96 min Scan# 3723
 Delta R.T. -0.02 min
 Lab File: BG039098.D
 Acq: 11 Jan 2019 23:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.0	25.6
265	21.8	17.2	25.8

