

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG012519\
 Data File : BG039299.D
 Acq On : 26 Jan 2019 6:29
 Operator : JU/SJ
 Sample : K1238-30
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S3

Quant Time: Jan 28 03:17:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 18 04:20:14 2019
 Response via : Initial Calibration

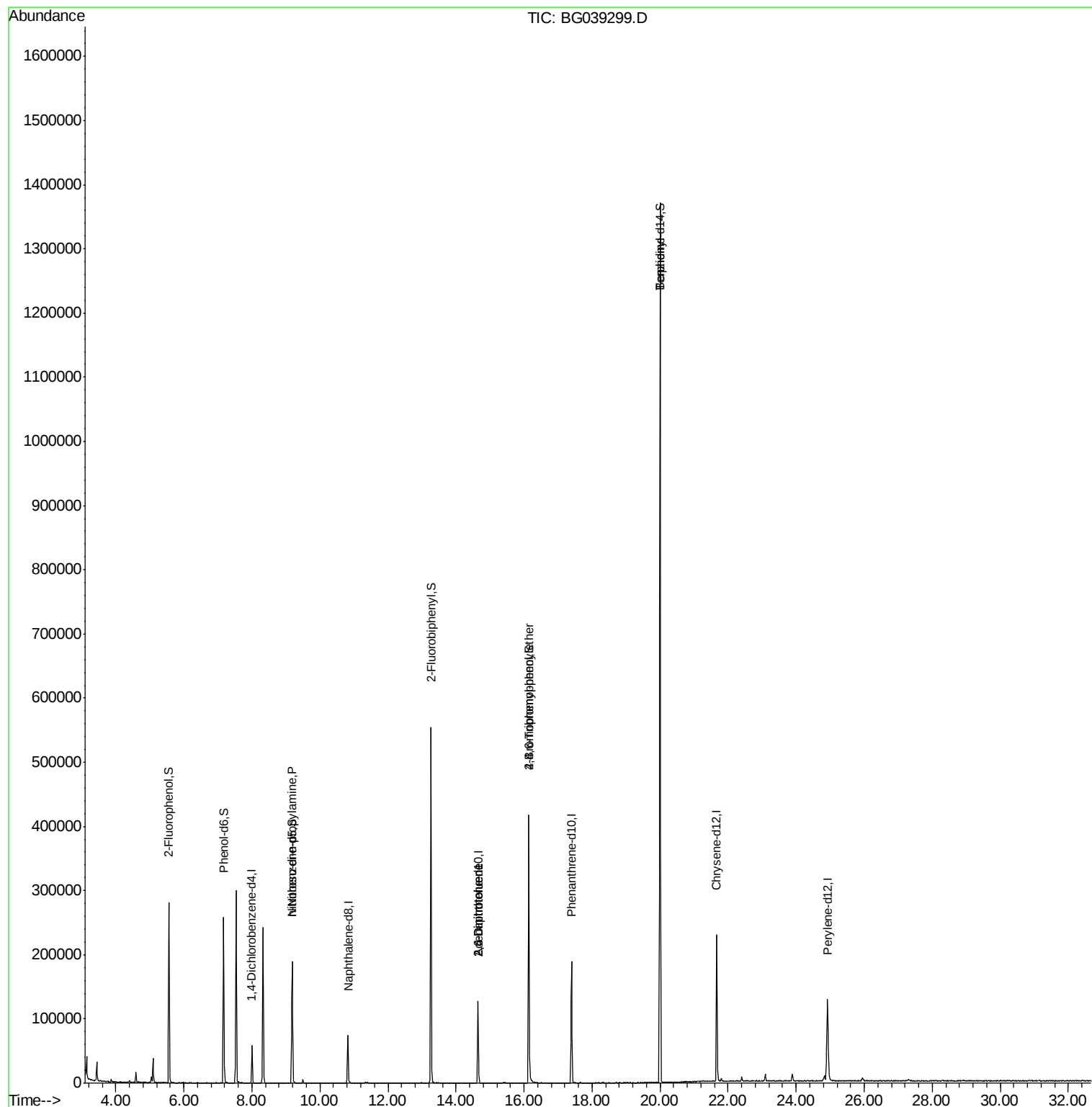
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	17671	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	70371	20.00	ng	-0.01
39) Acenaphthene-d10	14.65	164	48665	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	130733	20.00	ng	0.00
76) Chrysene-d12	21.66	240	149803	20.00	ng	-0.02
87) Perylene-d12	24.92	264	159953	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	129552	139.07	ng	0.00
7) Phenol-d6	7.17	99	160594	119.79	ng	0.00
23) Nitrobenzene-d5	9.18	82	117936	91.71	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	99438	121.90	ng	-0.01
45) 2-Fluorobiphenyl	13.27	172	316245	88.93	ng	0.00
79) Terphenyl-d14	20.00	244	702227	86.72	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	15290	17.368	ng	# 66
51) 2,6-Dinitrotoluene	14.65	165	6057	6.588	ng	# 24
57) 2,4-Dinitrotoluene	14.65	165	6057	4.592	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	6611	3.934	ng	# 1
77) Benzidine	20.00	184	10955	2.391	ng	95

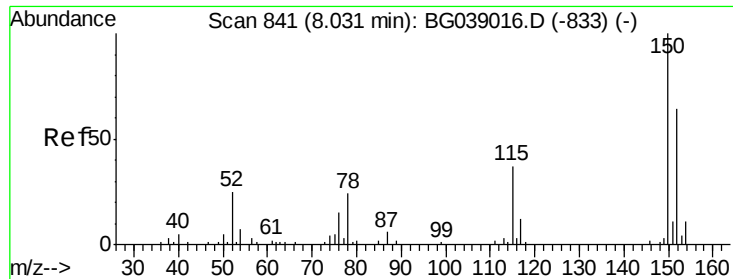
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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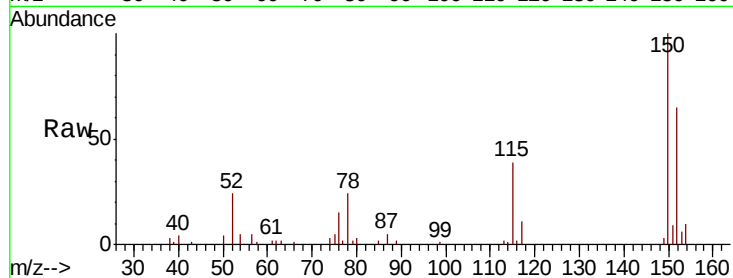




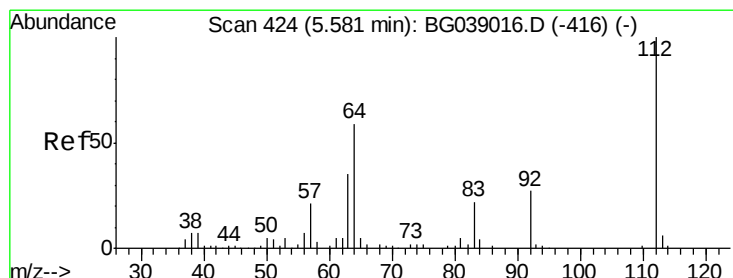
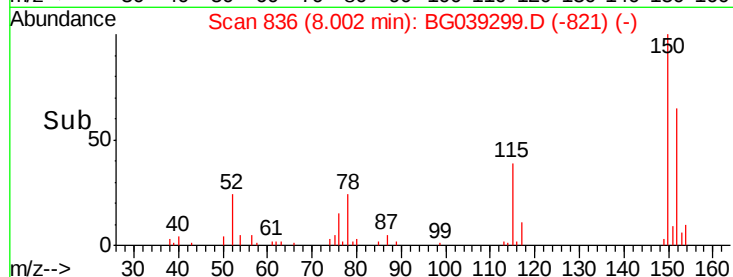
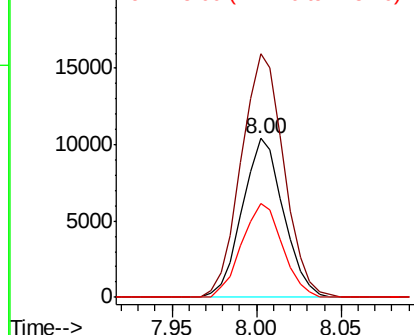
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.00 min Scan# 836
 Delta R.T. -0.01 min
 Lab File: BG039299.D
 Acq: 26 Jan 2019 6:29

Instrument :
 BNA_G
 ClientSampleId :
 S3

Tgt Ion:152 Resp: 17671
 Ion Ratio Lower Upper
 152 100
 150 153.3 124.7 187.1
 115 59.3 46.5 69.7

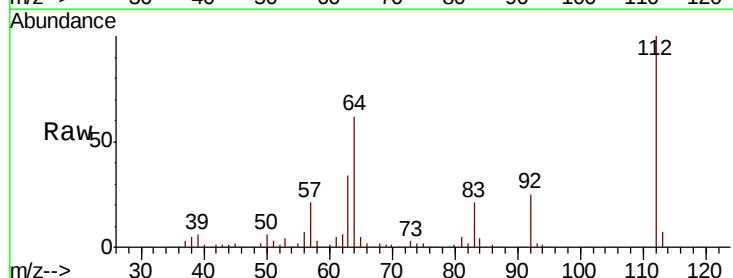


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

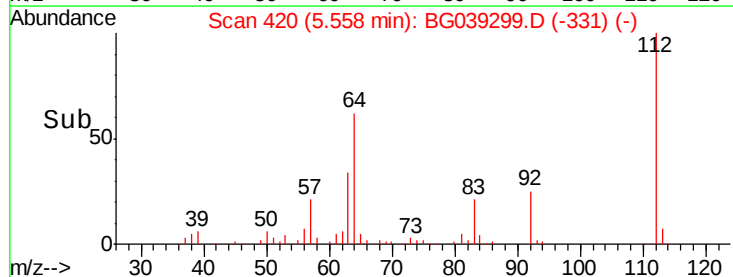
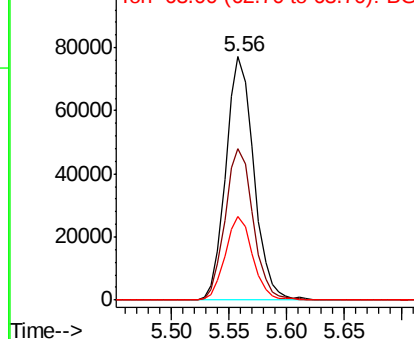


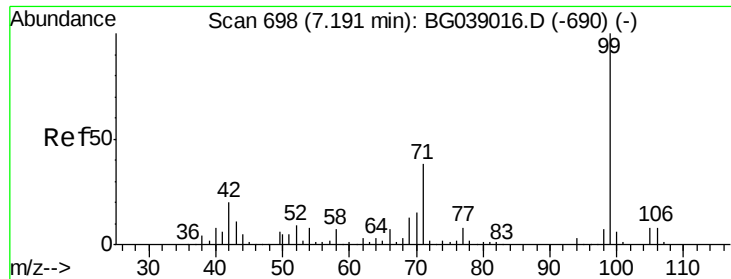
#5
 2-Fluorophenol
 Concen: 139.074 ng
 RT: 5.56 min Scan# 420
 Delta R.T. -0.01 min
 Lab File: BG039299.D
 Acq: 26 Jan 2019 6:29

Tgt Ion:112 Resp: 129552
 Ion Ratio Lower Upper
 112 100
 64 62.0 47.0 70.6
 63 34.4 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: 119.793 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG039299.D

Acq: 26 Jan 2019 6:29

Instrument :

BNA_G

ClientSampleId :

S3

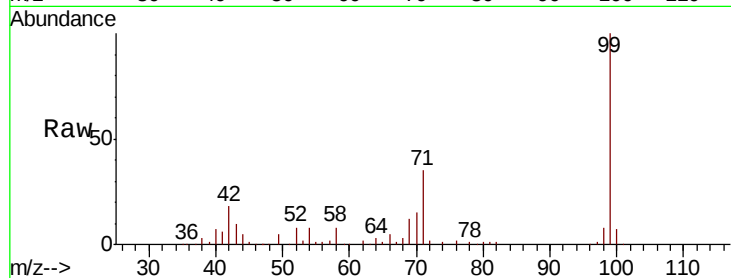
Tgt Ion: 99 Resp: 160594

Ion Ratio Lower Upper

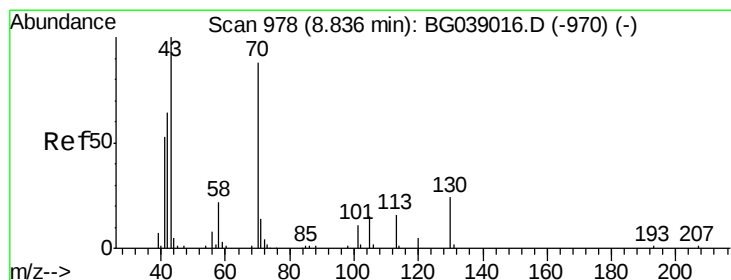
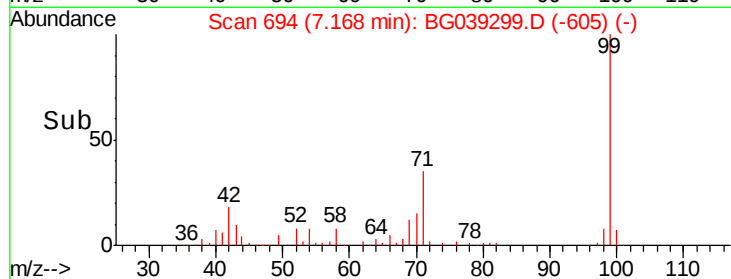
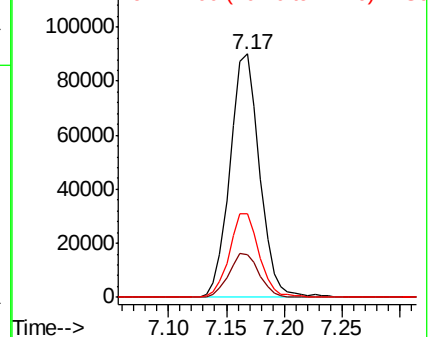
99 100

42 17.7 15.8 23.6

71 34.6 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: 17.368 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.36 min

Lab File: BG039299.D

Acq: 26 Jan 2019 6:29

Tgt Ion: 70 Resp: 15290

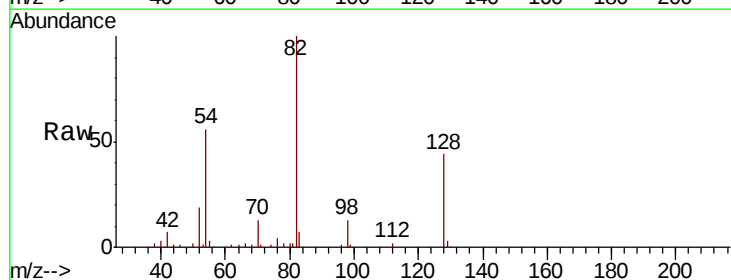
Ion Ratio Lower Upper

70 100

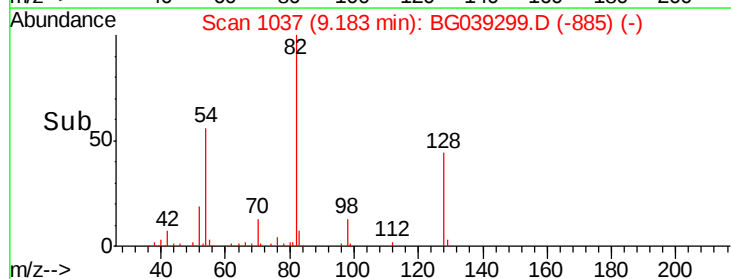
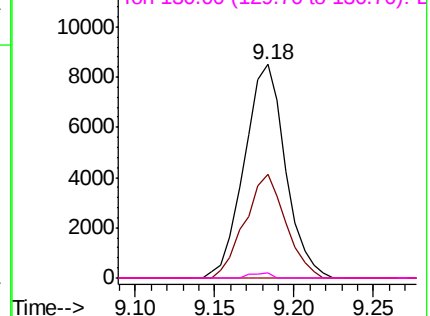
42 48.5 59.0 88.4#

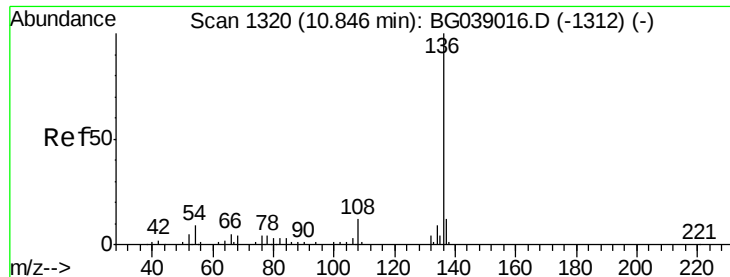
101 0.0 10.4 15.6#

130 2.2 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

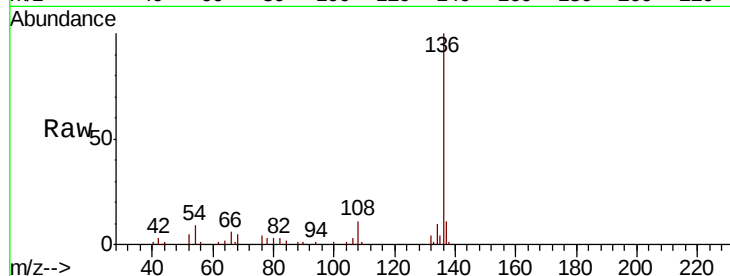




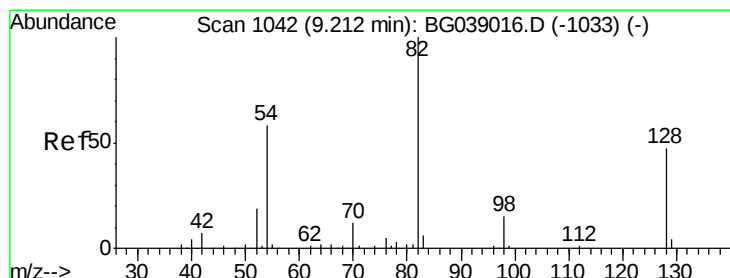
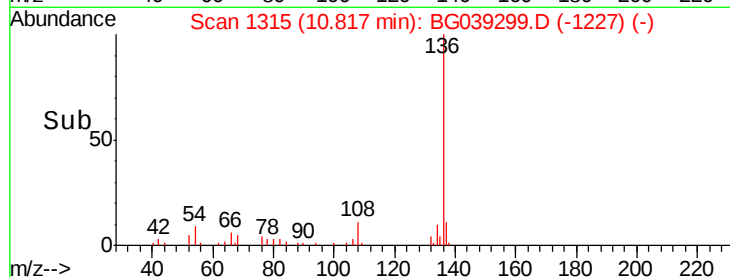
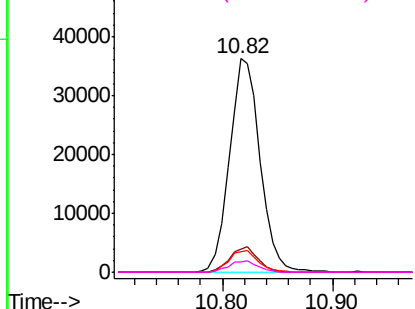
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BG039299.D
Acq: 26 Jan 2019 6:29

Instrument :
BNA_G
ClientSampled :
S3

Tgt Ion:	136	Resp:	70371
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.4	14.2
54	9.5	7.2	10.8
68	4.8	3.5	5.3

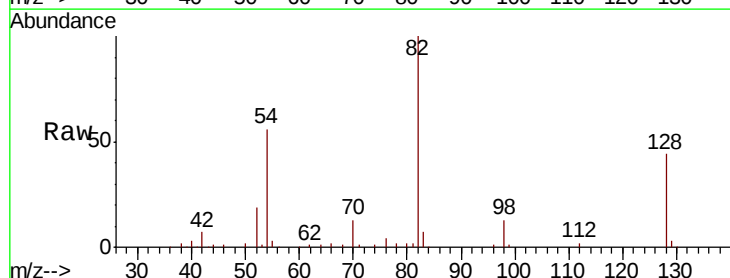


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

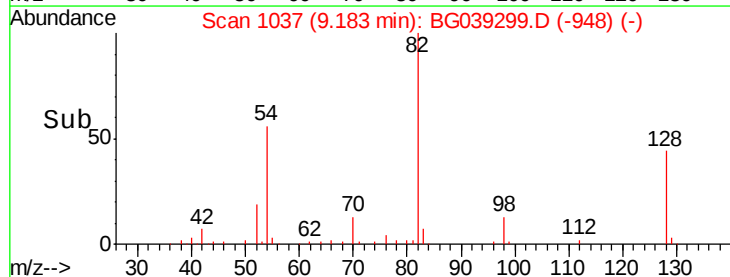
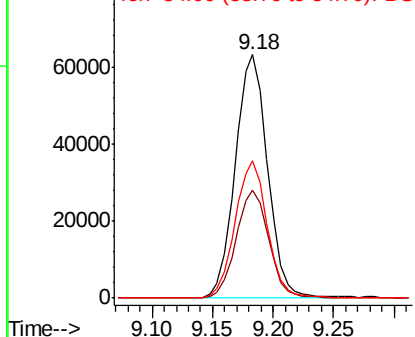


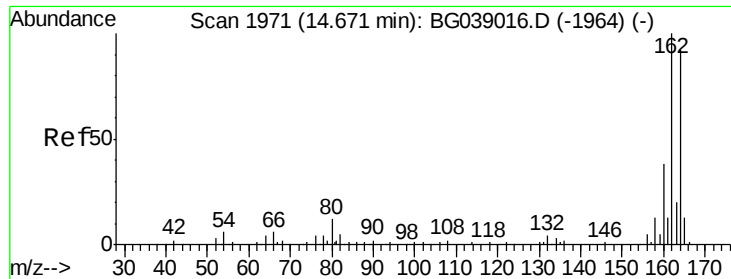
#23
Nitrobenzene-d5
Concen: 91.705 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BG039299.D
Acq: 26 Jan 2019 6:29

Tgt Ion:	82	Resp:	117936
Ion	Ratio	Lower	Upper
82	100		
128	44.3	37.3	55.9
54	56.4	46.4	69.6



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG039299.D

Acq: 26 Jan 2019 6:29

Instrument :

BNA_G

ClientSampleId :

S3

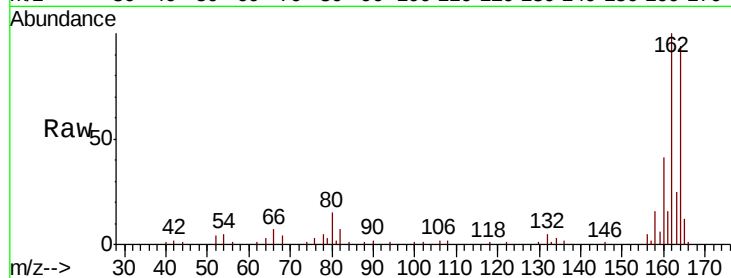
Tgt Ion:164 Resp: 48665

Ion Ratio Lower Upper

164 100

162 106.8 87.2 130.8

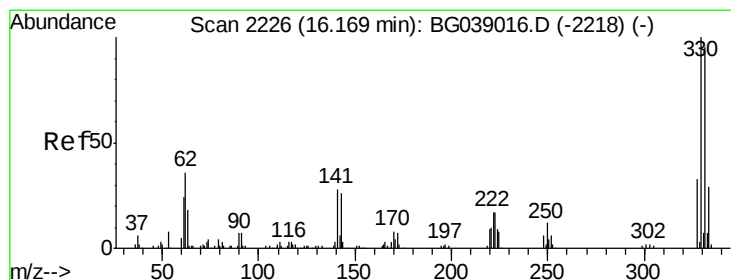
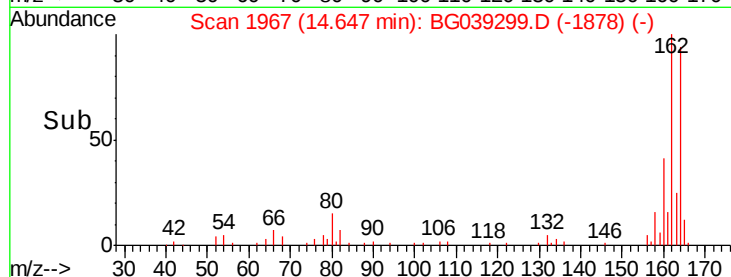
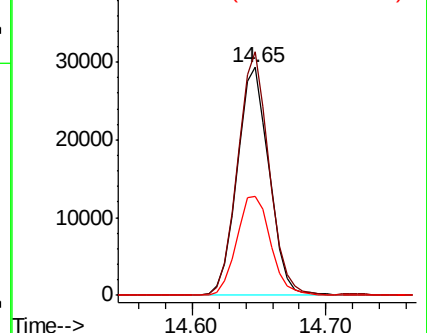
160 43.6 33.3 49.9



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: 121.896 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BG039299.D

Acq: 26 Jan 2019 6:29

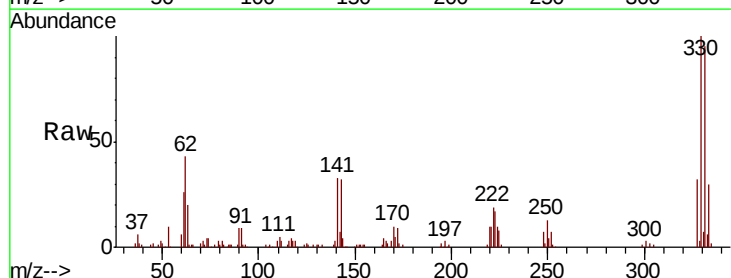
Tgt Ion:330 Resp: 99438

Ion Ratio Lower Upper

330 100

332 95.3 75.7 113.5

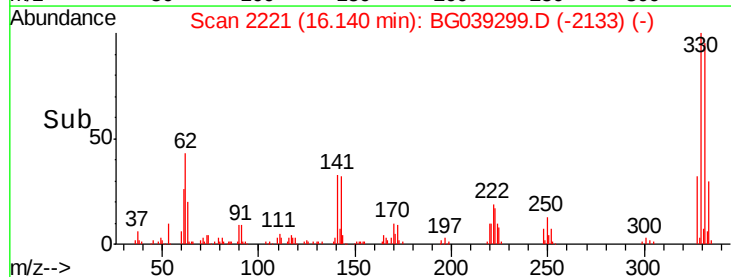
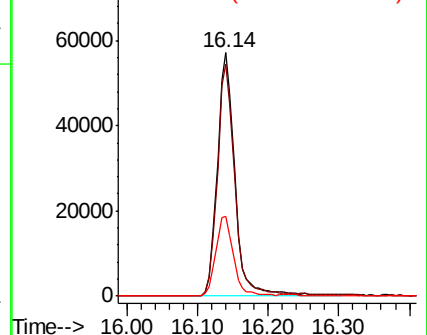
141 32.9 24.9 37.3

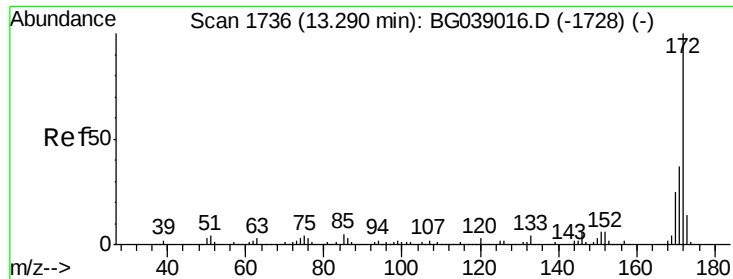


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

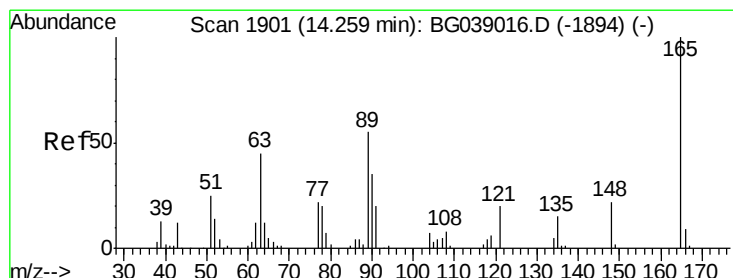
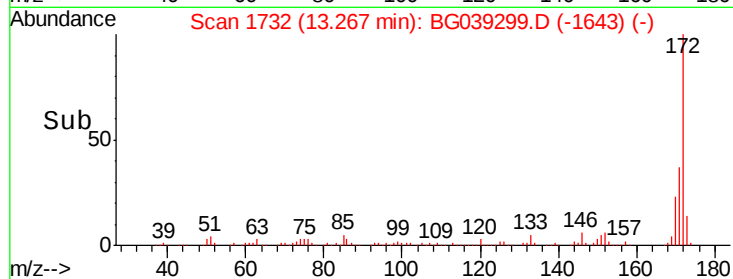
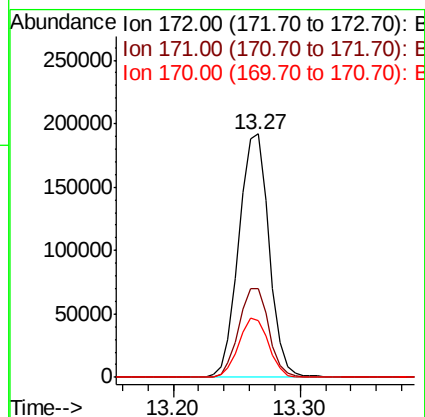
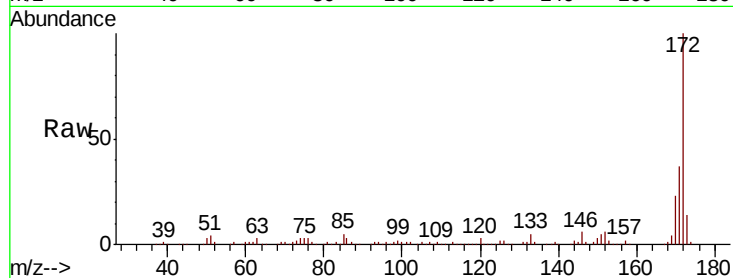




#45
 2-Fluorobiphenyl
 Concen: 88.935 ng
 RT: 13.27 min Scan# 1732
 Delta R.T. -0.01 min
 Lab File: BG039299.D
 Acq: 26 Jan 2019 6:29

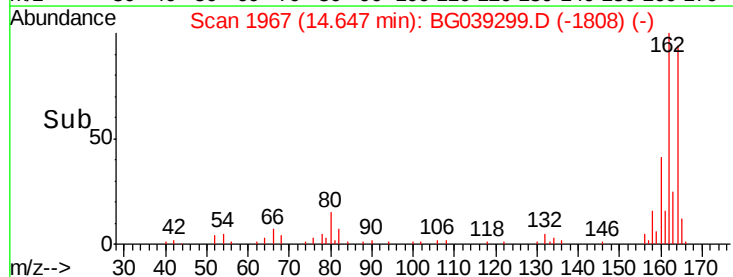
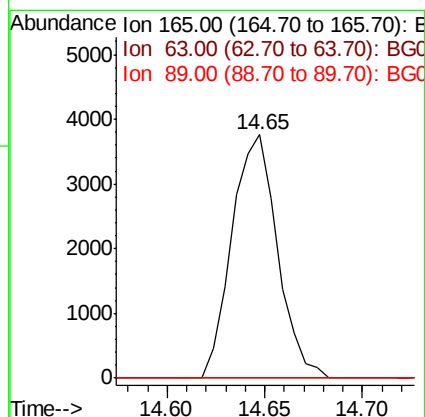
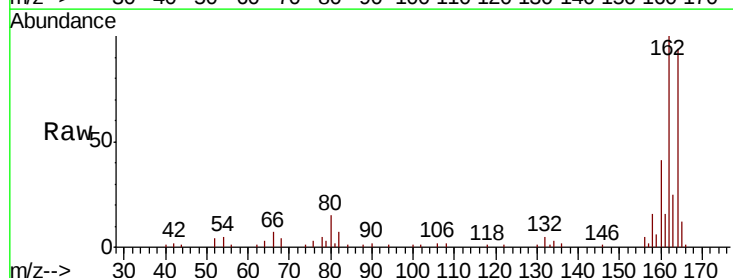
Instrument :
 BNA_G
 ClientSampleId :
 S3

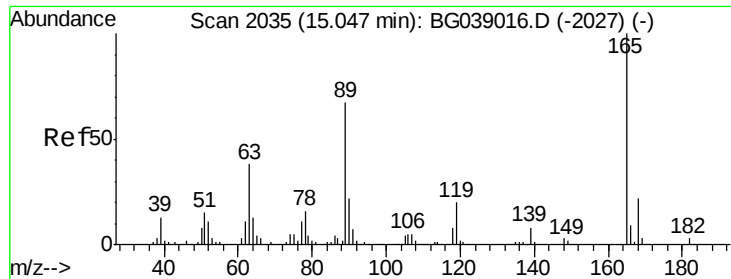
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.0
170	23.5	20.1	30.1



#51
 2,6-Dinitrotoluene
 Concen: 6.588 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. 0.40 min
 Lab File: BG039299.D
 Acq: 26 Jan 2019 6:29

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

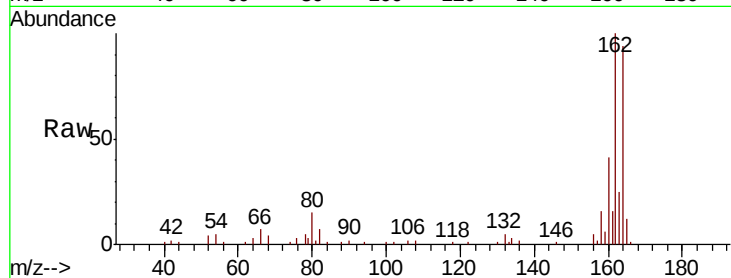




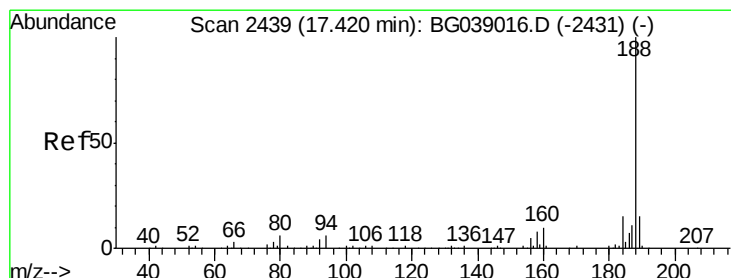
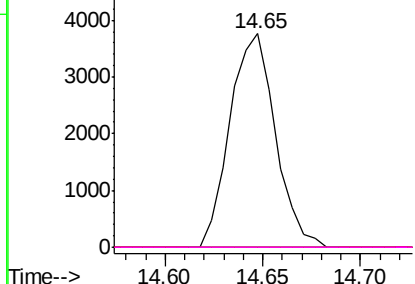
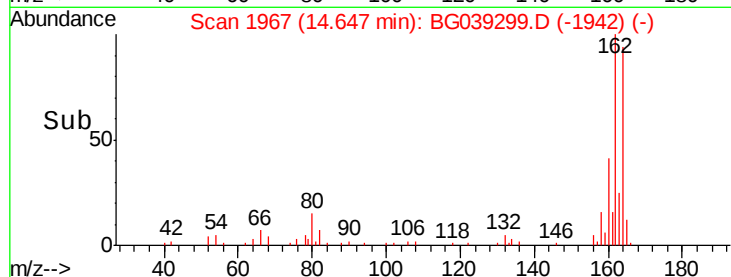
#57
 2,4-Dinitrotoluene
 Concen: 4.592 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. -0.38 min
 Lab File: BG039299.D
 Acq: 26 Jan 2019 6:29

Instrument :
 BNA_G
 ClientSampleId :
 S3

Tgt Ion:165 Resp: 6057
 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#

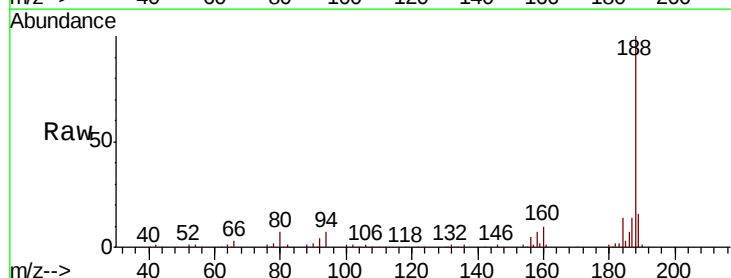


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

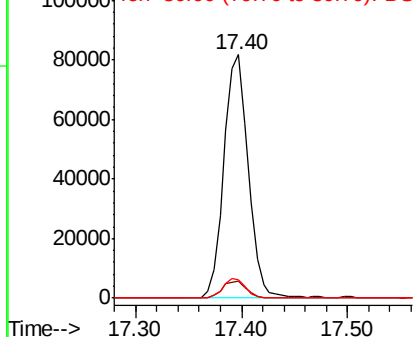
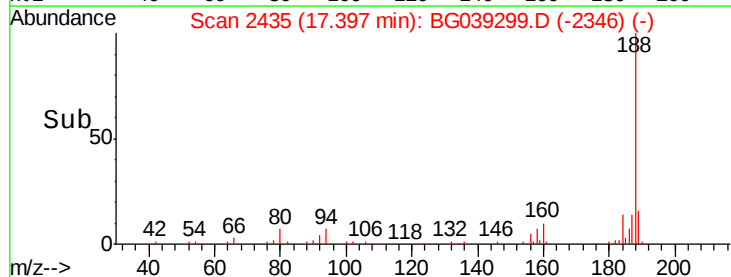


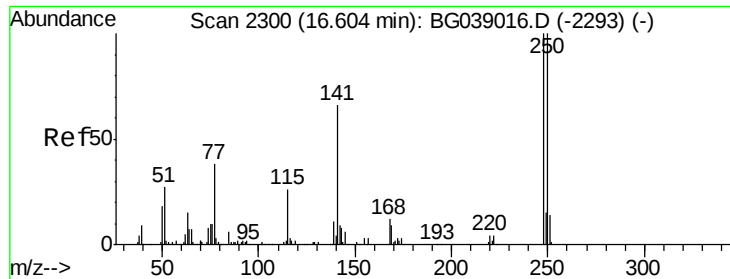
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG039299.D
 Acq: 26 Jan 2019 6:29

Tgt Ion:188 Resp: 130733
 Ion Ratio Lower Upper
 188 100
 94 6.8 5.0 7.4
 80 7.5 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

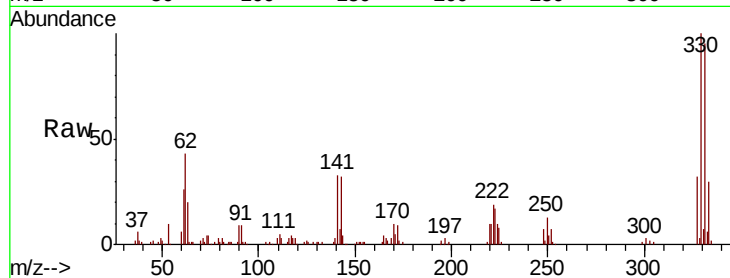




#67
 4-Bromophenyl-phenylether
 Concen: 3.934 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.45 min
 Lab File: BG039299.D
 Acq: 26 Jan 2019 6:29

Instrument :
 BNA_G
 ClientSampled :
 S3

Tgt Ion	Ratio	Lower	Upper
248	100		
250	182.2	79.9	119.9#
141	346.0	52.7	79.1#

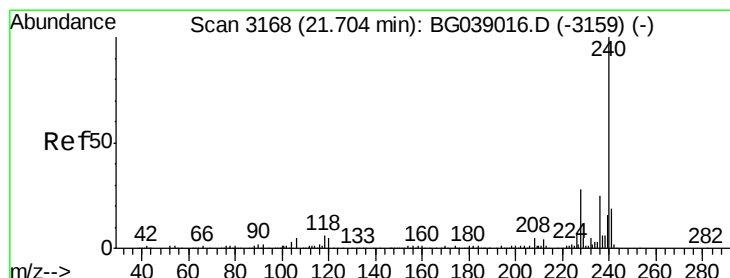
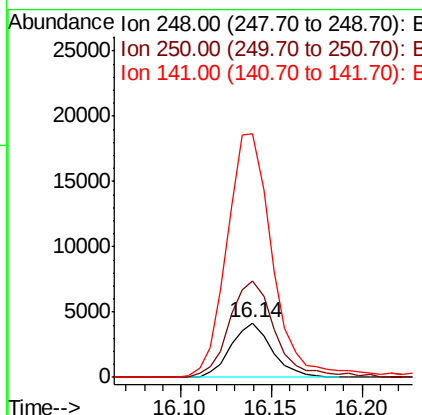
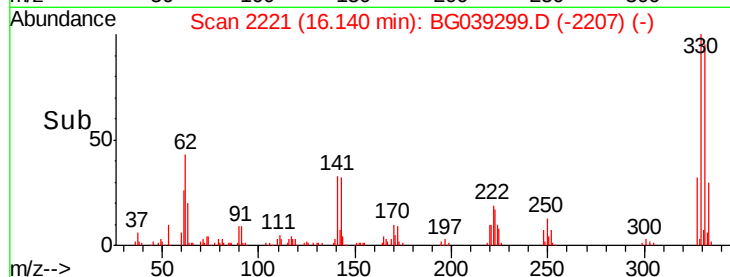


Abundance

Ion 248.00 (247.70 to 248.70): E

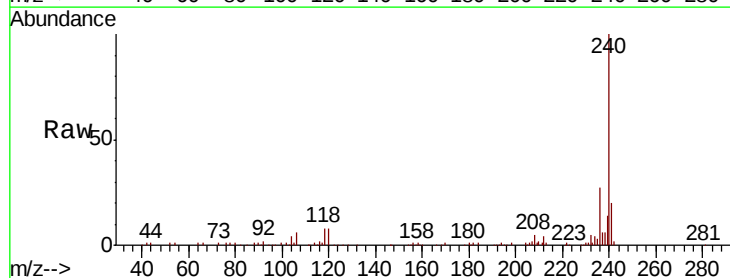
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3161
 Delta R.T. -0.02 min
 Lab File: BG039299.D
 Acq: 26 Jan 2019 6:29

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.5	4.3	6.5#
236	26.8	20.1	30.1

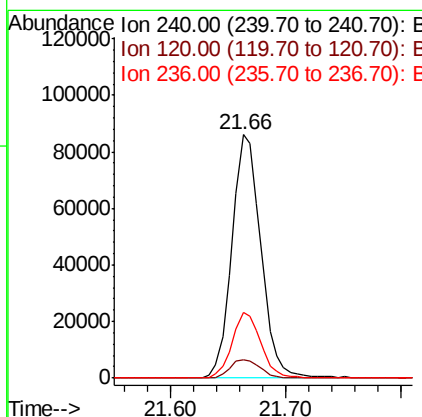
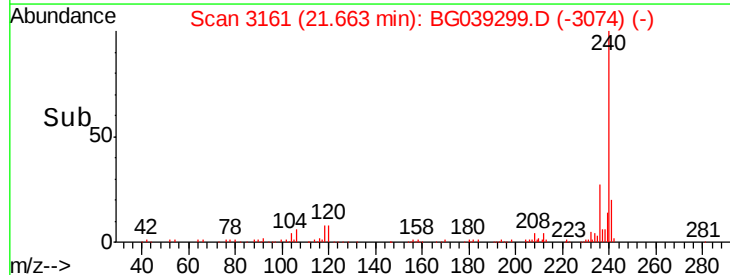


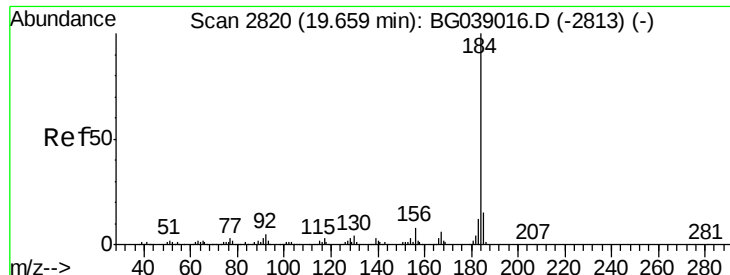
Abundance

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: 2.391 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.36 min

Lab File: BG039299.D

Acq: 26 Jan 2019 6:29

Instrument :

BNA_G

ClientSampled :

S3

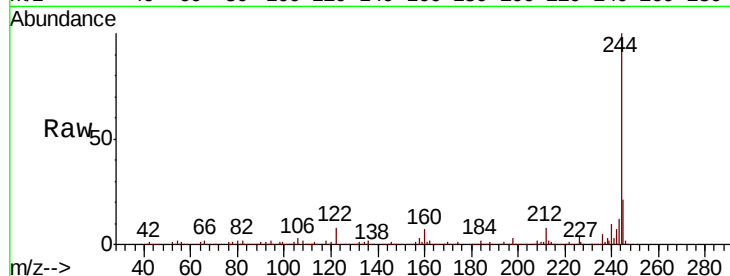
Tgt Ion:184 Resp: 10955

Ion Ratio Lower Upper

184 100

185 17.8 12.1 18.1

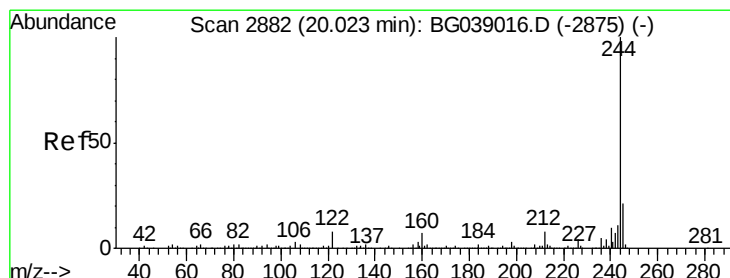
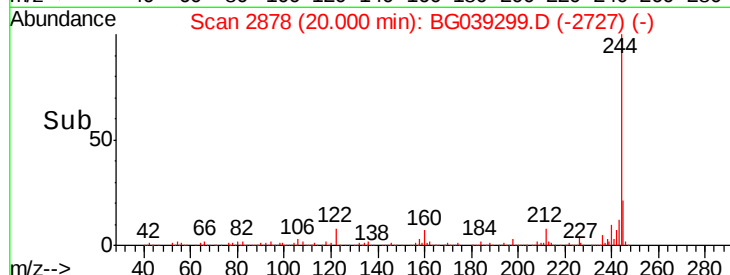
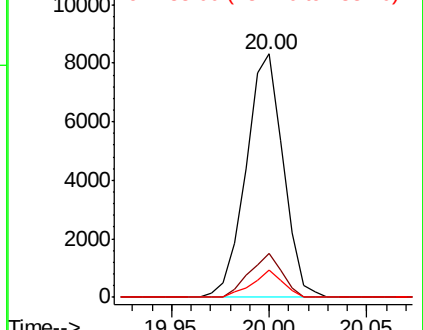
183 11.1 9.5 14.3



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: 86.717 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.01 min

Lab File: BG039299.D

Acq: 26 Jan 2019 6:29

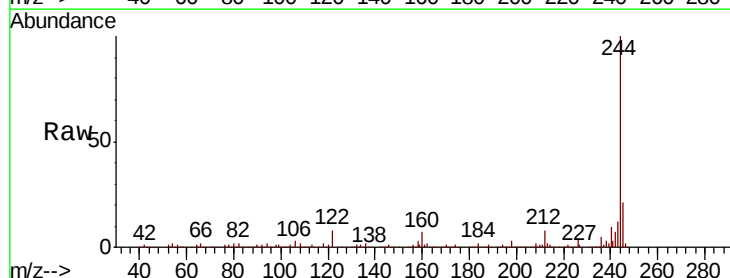
Tgt Ion:244 Resp: 702227

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

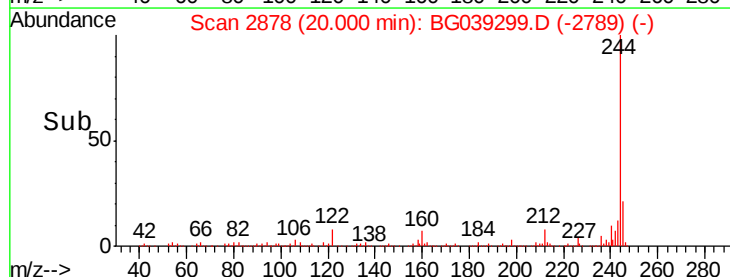
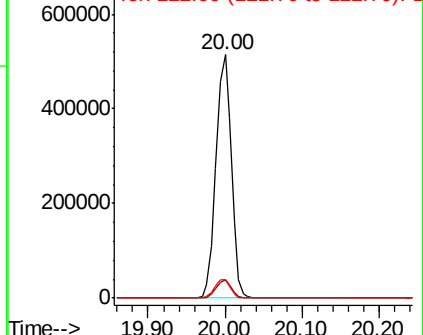
122 7.6 6.1 9.1

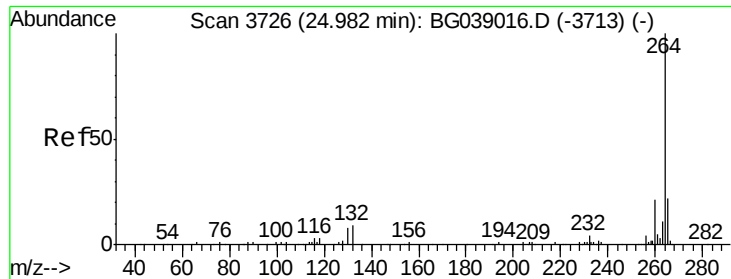


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.02 min
Lab File: BG039299.D
Acq: 26 Jan 2019 6:29

Instrument :
BNA_G
ClientSampleId :
S3

Tgt Ion:	264	Resp:	159953
Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.0	25.6
265	21.1	17.2	25.8

