

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011119\
 Data File : BG039113.D
 Acq On : 12 Jan 2019 11:08
 Operator : JU/SJ
 Sample : K1119-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 14 10:03:49 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

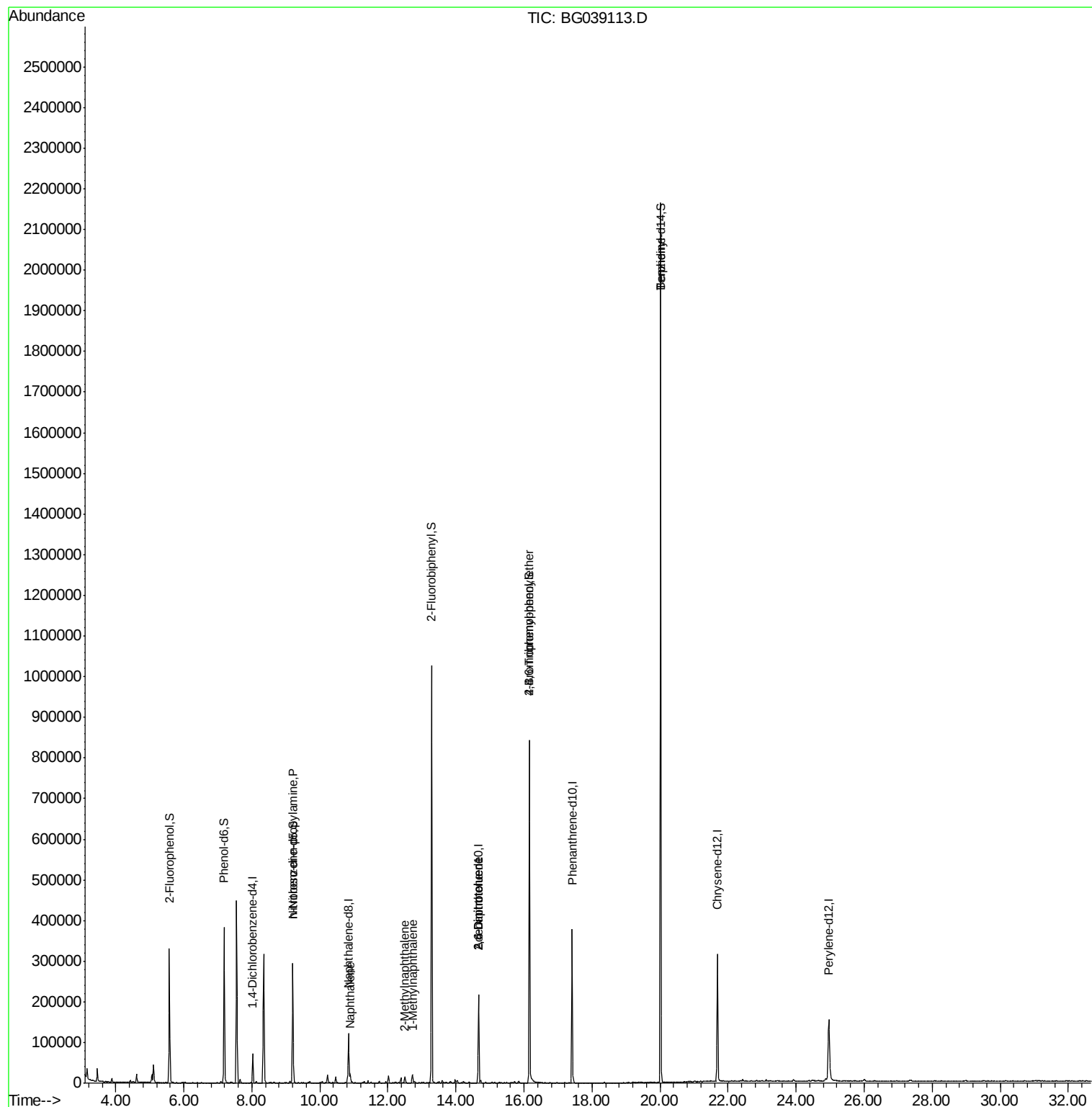
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	22944	20.00	ng	-0.01
21) Naphthalene-d8	10.84	136	107791	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	78992	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	254462	20.00	ng	0.00
76) Chrysene-d12	21.69	240	207774	20.00	ng	-0.02
87) Perylene-d12	24.96	264	218027	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	152691	126.24	ng	0.00
7) Phenol-d6	7.18	99	220989	126.96	ng	-0.01
23) Nitrobenzene-d5	9.20	82	171784	87.21	ng	-0.01
42) 2,4,6-Tribromophenol	16.16	330	186319	140.71	ng	-0.01
45) 2-Fluorobiphenyl	13.29	172	565613	97.99	ng	0.00
79) Terphenyl-d14	20.02	244	1093994	97.40	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	22590	19.763	ng	# 64
31) Naphthalene	10.89	128	19481	3.603	ng	# 94
37) 2-Methylnaphthalene	12.49	142	9614	2.372	ng	93
38) 1-Methylnaphthalene	12.72	142	9174	2.358	ng	96
51) 2,6-Dinitrotoluene	14.66	165	10611	7.110	ng	# 24
57) 2,4-Dinitrotoluene	14.66	165	10611	4.956	ng	# 26
67) 4-Bromophenyl-phenylether	16.16	248	12127	3.707	ng	# 1
77) Benzidine	20.02	184	17997	2.832	ng	# 93

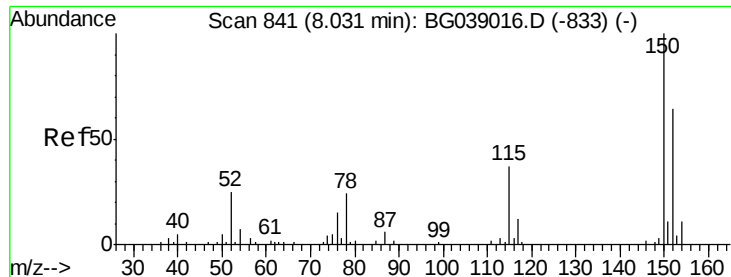
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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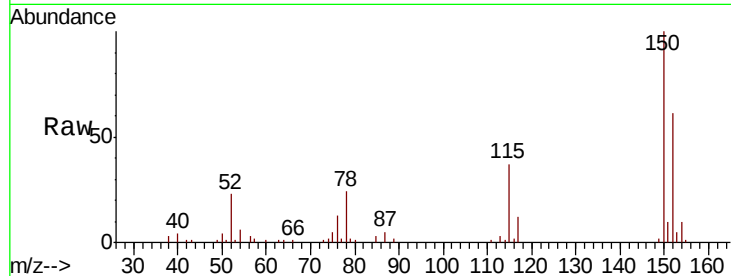


#1

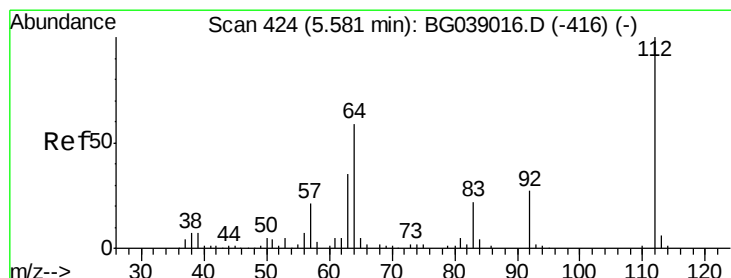
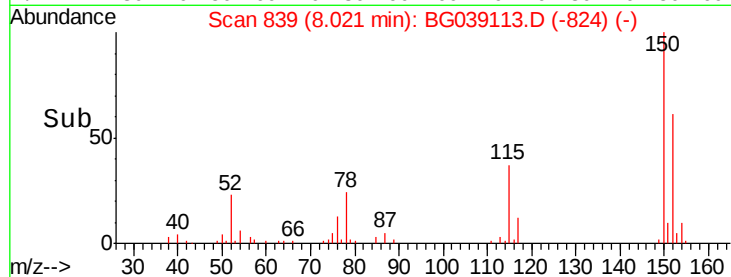
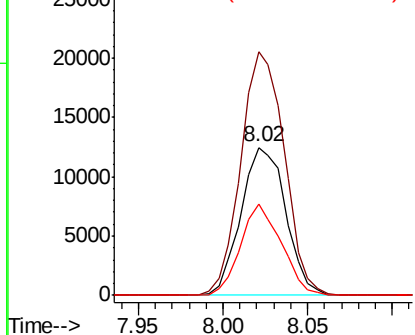
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. -0.01 min
Lab File: BG039113.D
Acq: 12 Jan 2019 11:08

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 22944
Ion Ratio Lower Upper
152 100
150 164.5 124.7 187.1
115 61.4 46.5 69.7



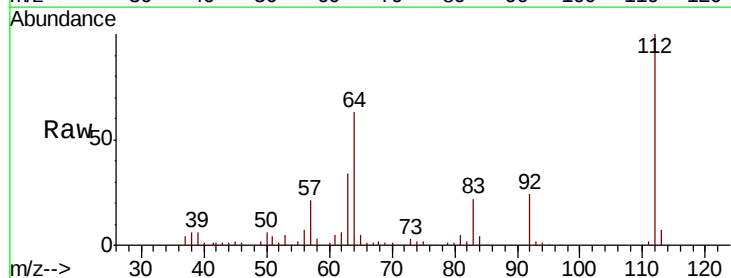
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



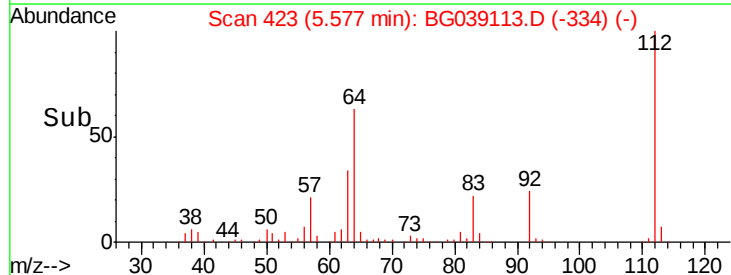
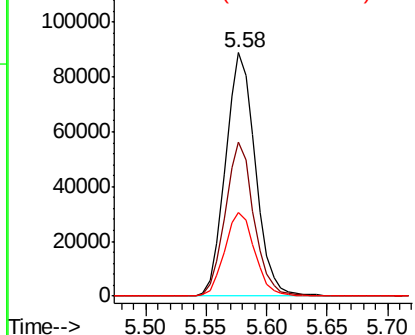
#5

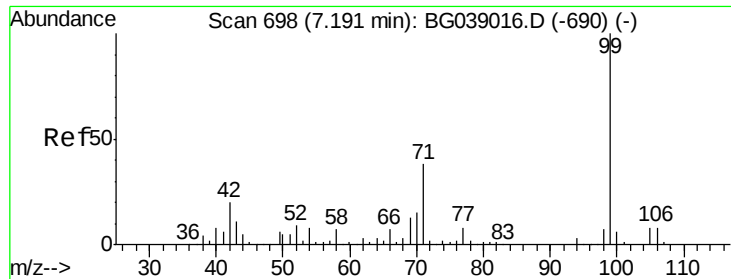
2-Fluorophenol
Concen: 126.243 ng
RT: 5.58 min Scan# 423
Delta R.T. -0.00 min
Lab File: BG039113.D
Acq: 12 Jan 2019 11:08

Tgt Ion:112 Resp: 152691
Ion Ratio Lower Upper
112 100
64 63.1 47.0 70.6
63 34.3 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: 126.959 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.01 min

Lab File: BG039113.D

Acq: 12 Jan 2019 11:08

Instrument :

BNA_G

ClientSampleId :

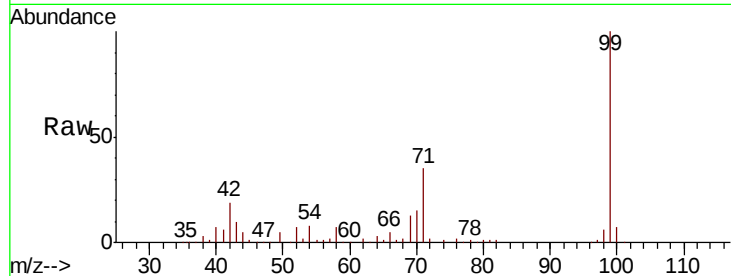
Tot Ion: 99 Resp: 220989

Ion Ratio Lower Upper

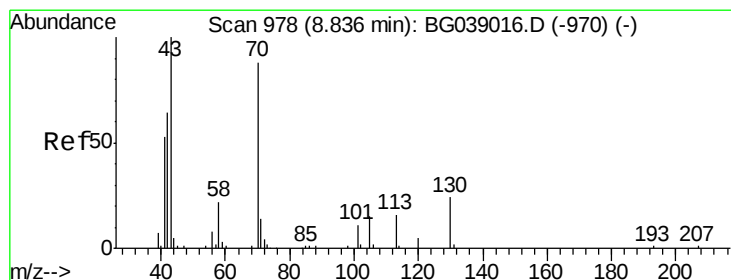
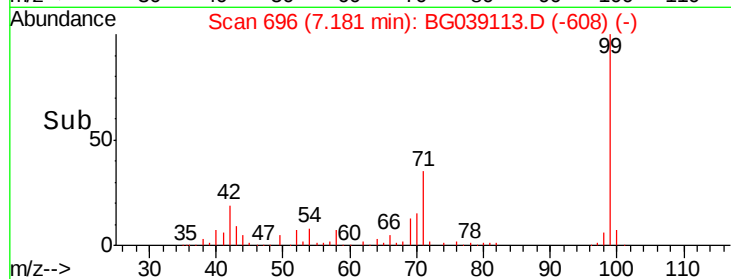
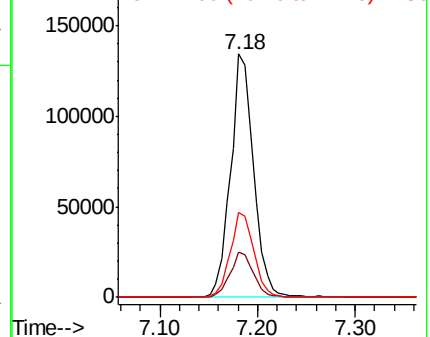
99 100

42 18.5 15.8 23.6

71 34.9 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: 19.763 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.37 min

Lab File: BG039113.D

Acq: 12 Jan 2019 11:08

Tgt Ion: 70 Resp: 22590

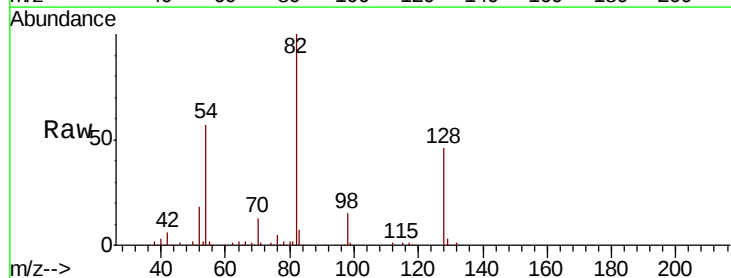
Ion Ratio Lower Upper

70 100

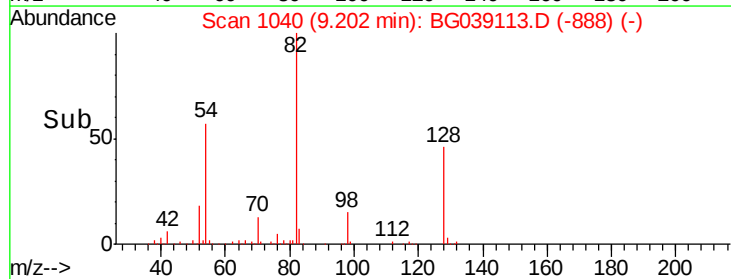
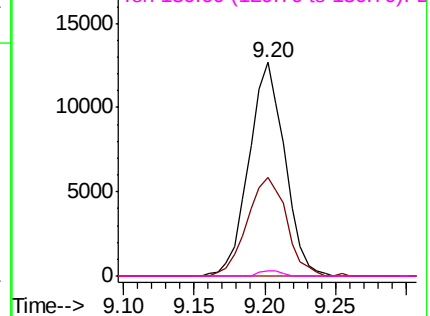
42 46.2 59.0 88.4#

101 0.0 10.4 15.6#

130 2.4 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

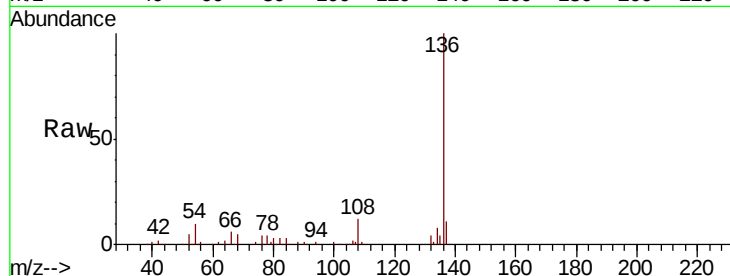




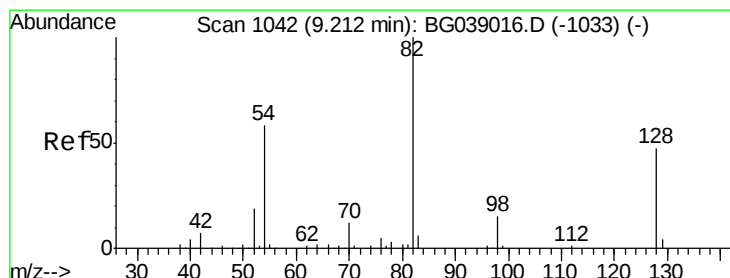
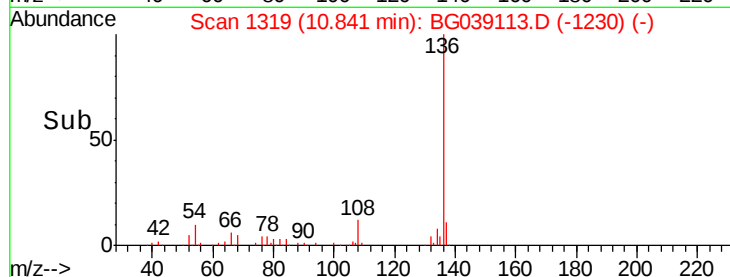
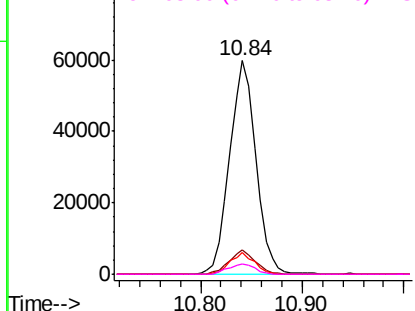
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BG039113.D
Acq: 12 Jan 2019 11:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	107791
Ion	Ratio	Lower Upper
136	100	
137	11.3	9.4 14.2
54	10.0	7.2 10.8
68	4.9	3.5 5.3

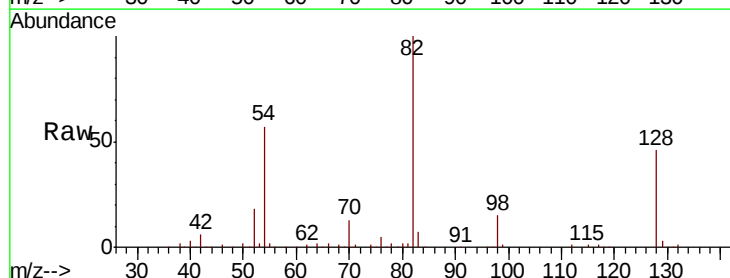


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

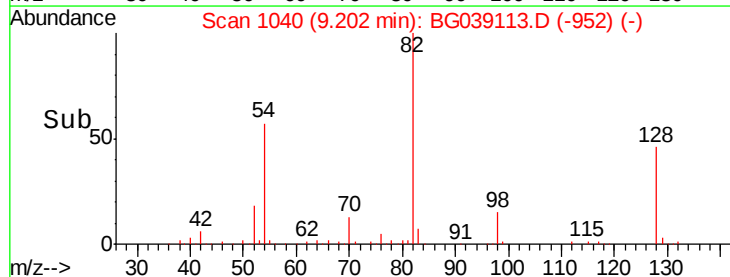
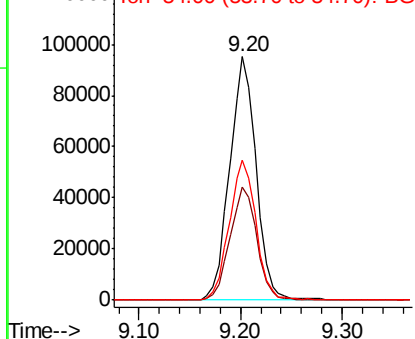


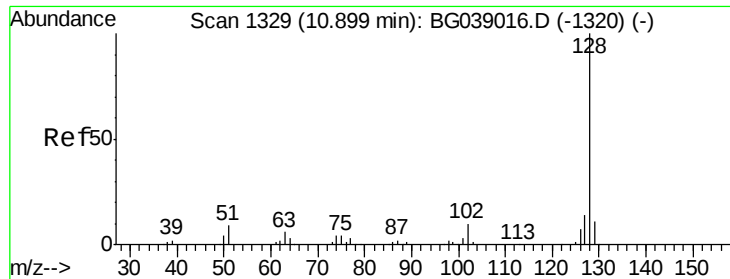
#23
Nitrobenzene-d5
Concen: 87.205 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG039113.D
Acq: 12 Jan 2019 11:08

Tgt Ion: 82	Resp:	171784
Ion	Ratio	Lower Upper
82	100	
128	46.5	37.3 55.9
54	57.3	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

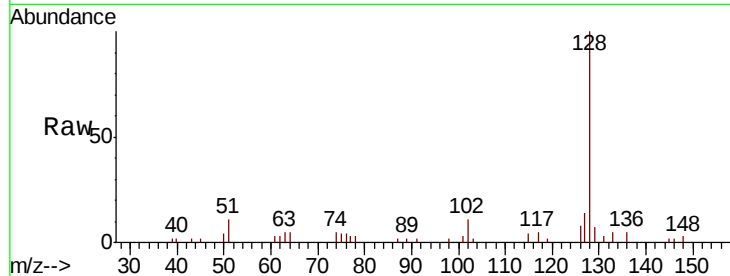




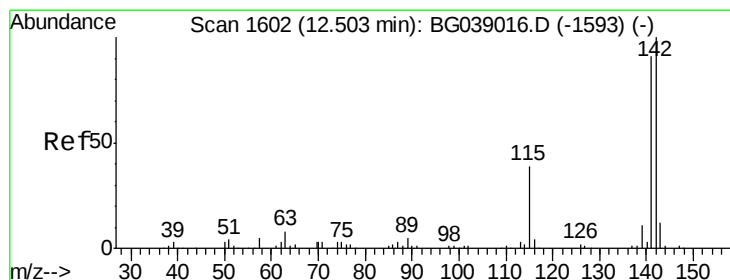
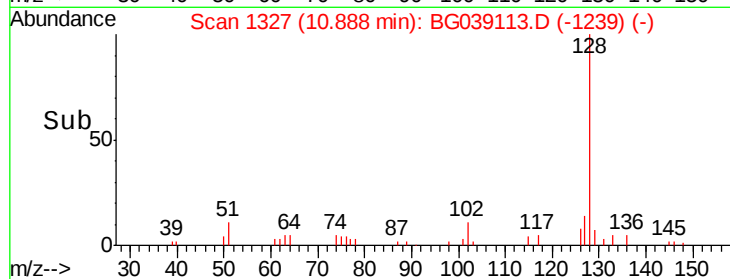
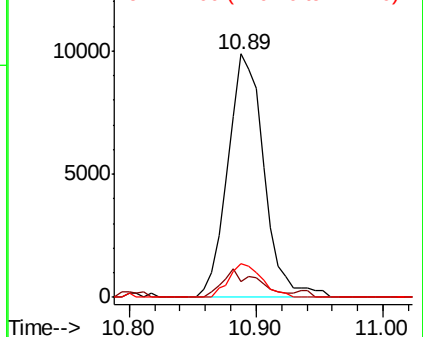
#31
Naphthalene
Concen: 3.603 ng
RT: 10.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BG039113.D
Acq: 12 Jan 2019 11:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 19481
Ion Ratio Lower Upper
128 100
129 6.7 9.1 13.7#
127 13.7 11.2 16.8

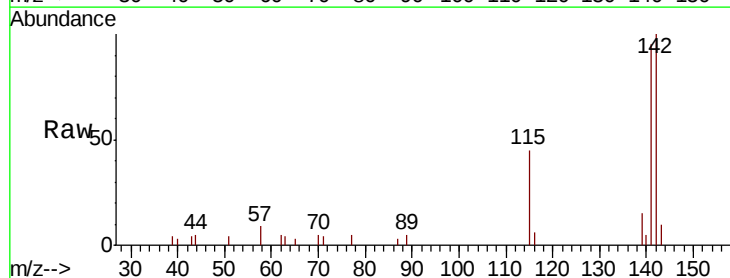


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

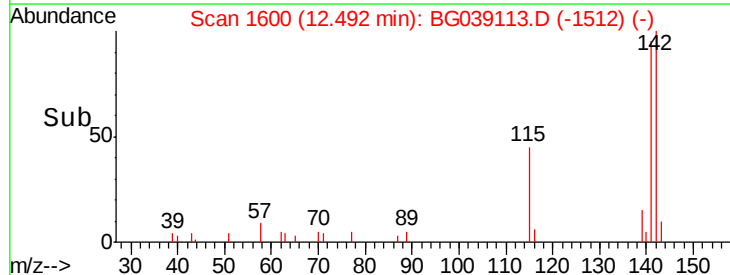
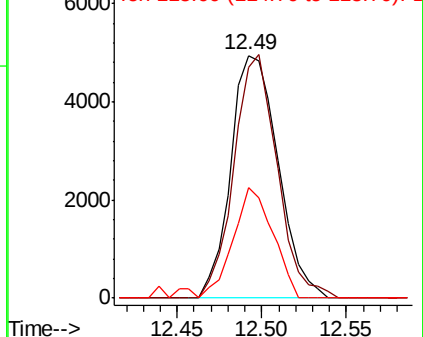


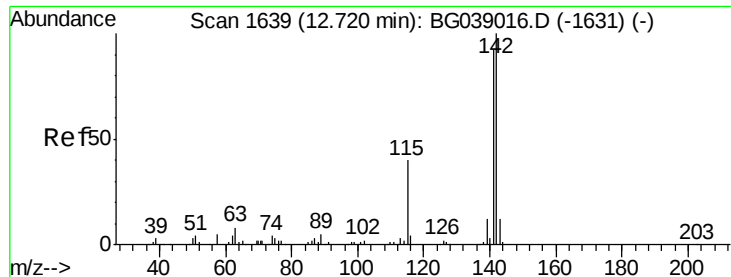
#37
2-Methylnaphthalene
Concen: 2.372 ng
RT: 12.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BG039113.D
Acq: 12 Jan 2019 11:08

Tgt Ion:142 Resp: 9614
Ion Ratio Lower Upper
142 100
141 95.3 72.6 109.0
115 45.5 31.1 46.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

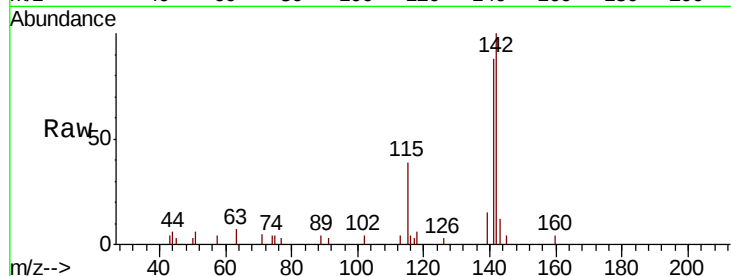




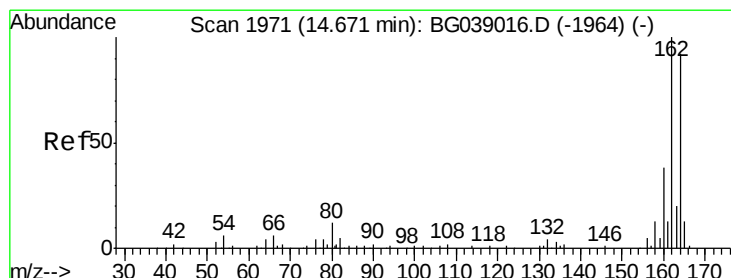
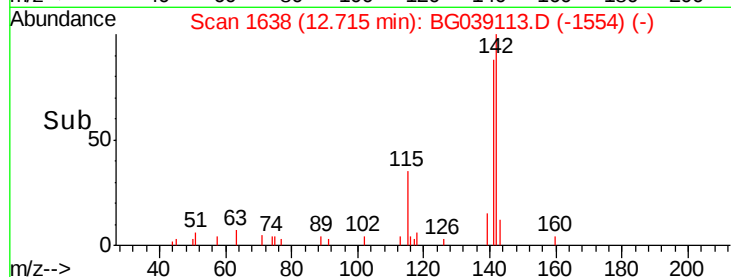
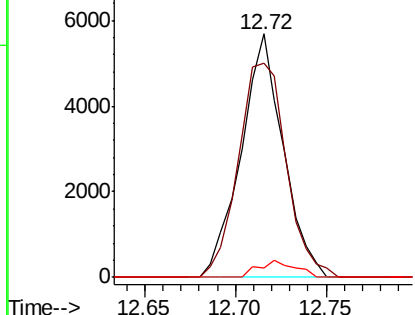
#38
1-Methylnaphthalene
Concen: 2.358 ng
RT: 12.72 min Scan# 1638
Delta R.T. -0.00 min
Lab File: BG039113.D
Acq: 12 Jan 2019 11:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion:142 Resp: 9174
Ion Ratio Lower Upper
142 100
141 87.8 73.3 109.9
116 3.7 3.1 4.7

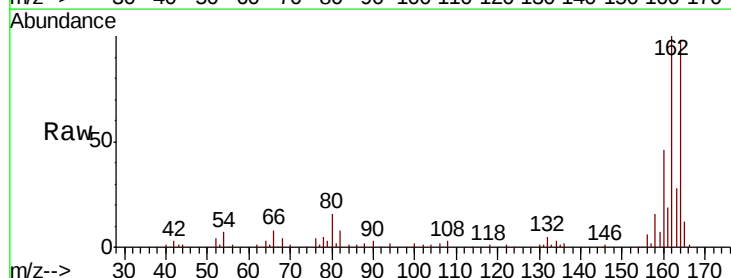


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

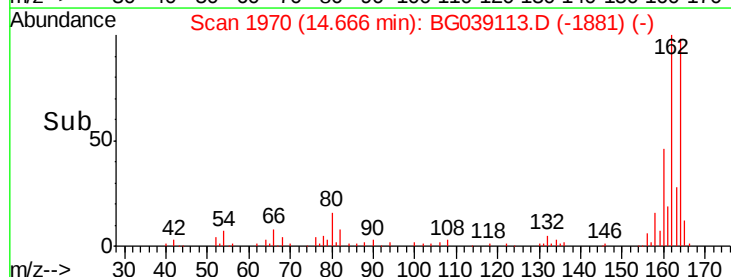
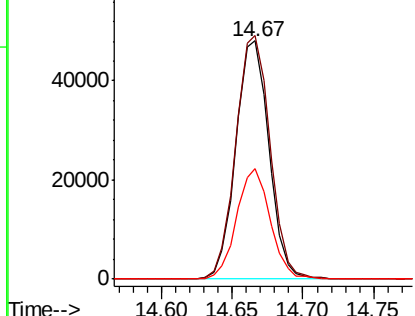


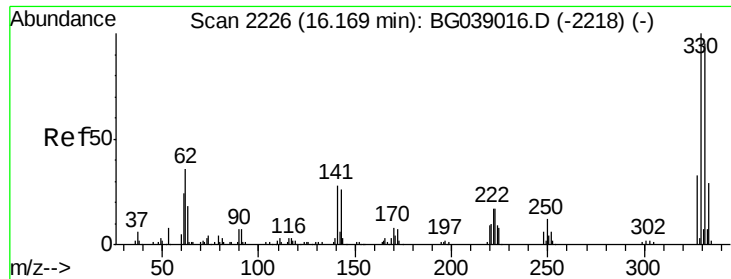
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG039113.D
Acq: 12 Jan 2019 11:08

Tgt Ion:164 Resp: 78992
Ion Ratio Lower Upper
164 100
162 102.2 87.2 130.8
160 46.6 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: 140.711 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG039113.D

Acq: 12 Jan 2019 11:08

Instrument :

BNA_G

ClientSampleId :

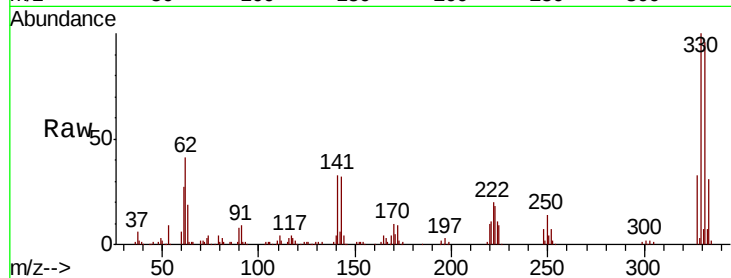
Tot Ion:330 Resp: 186319

Ion Ratio Lower Upper

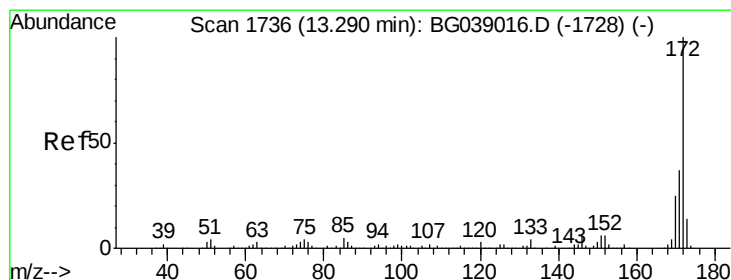
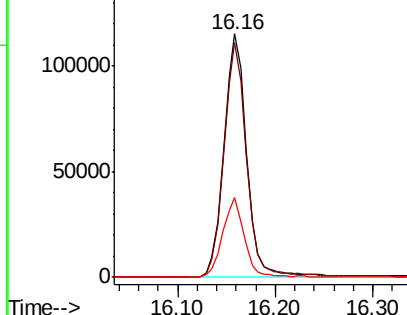
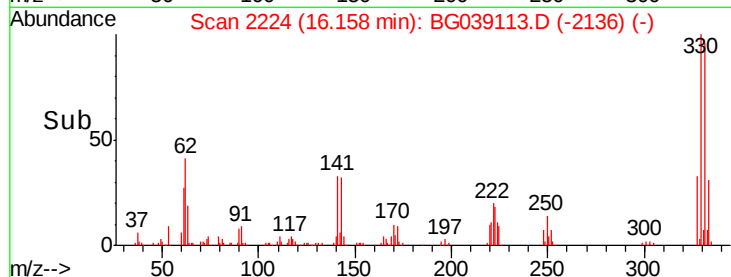
330 100

332 97.6 75.7 113.5

141 31.3 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: 97.994 ng

RT: 13.29 min Scan# 1735

Delta R.T. -0.00 min

Lab File: BG039113.D

Acq: 12 Jan 2019 11:08

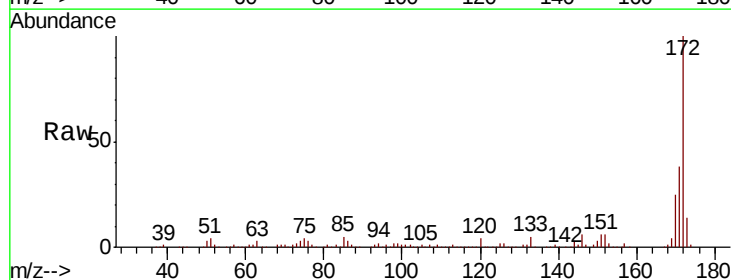
Tgt Ion:172 Resp: 565613

Ion Ratio Lower Upper

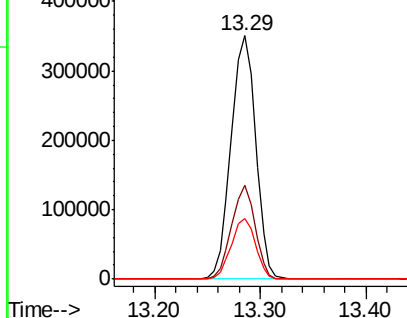
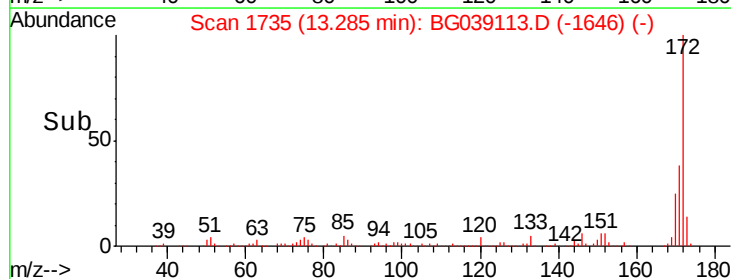
172 100

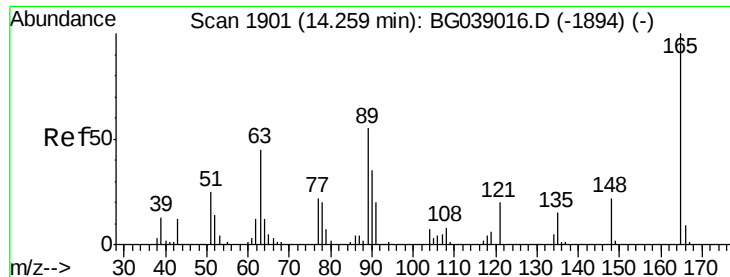
171 38.4 29.4 44.0

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

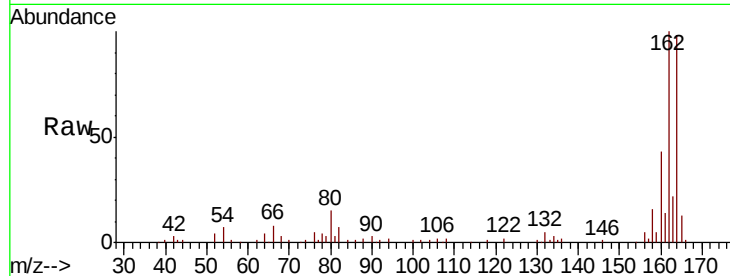




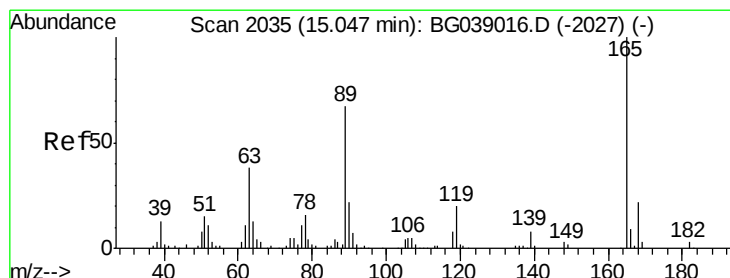
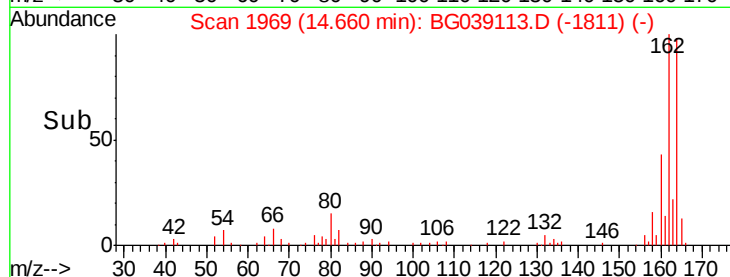
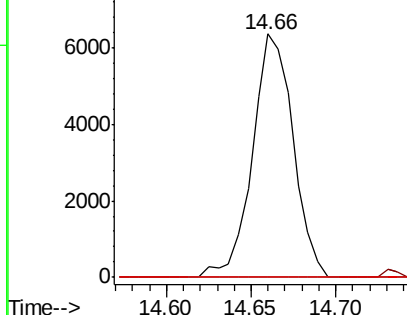
#51
 2,6-Dinitrotoluene
 Concen: 7.110 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.40 min
 Lab File: BG039113.D
 Acq: 12 Jan 2019 11:08

Instrument :
 BNA_G
 ClientSampleId :

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



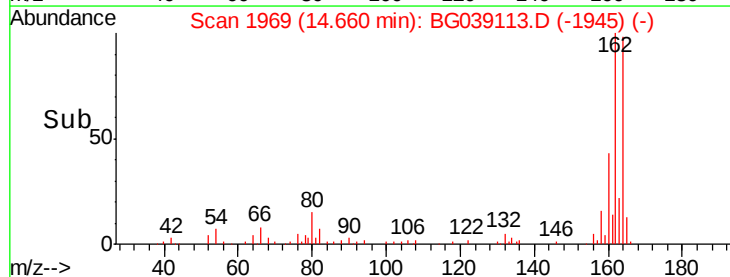
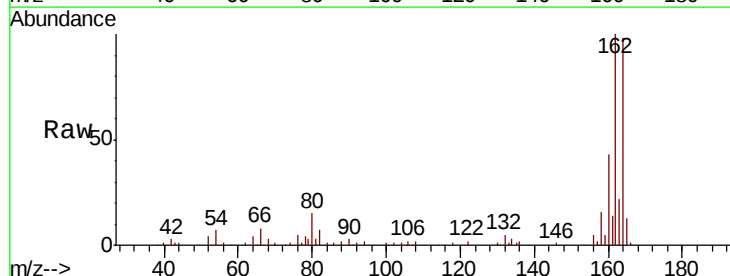
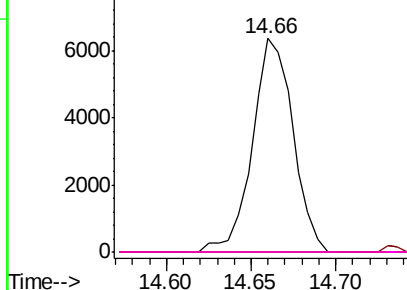
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

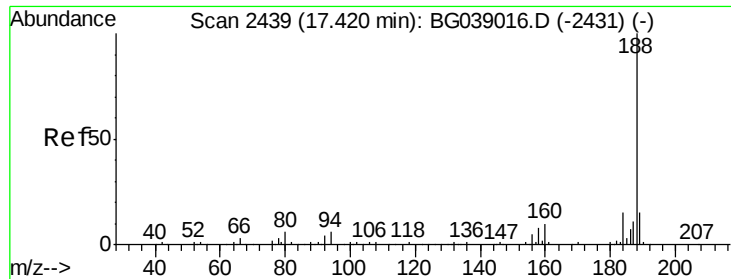


#57
 2,4-Dinitrotoluene
 Concen: 4.956 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.39 min
 Lab File: BG039113.D
 Acq: 12 Jan 2019 11:08

Tgt 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# 2438

Delta R.T. -0.00 min

Lab File: BG039113.D

Acq: 12 Jan 2019 11:08

Instrument :

BNA_G

ClientSampleId :

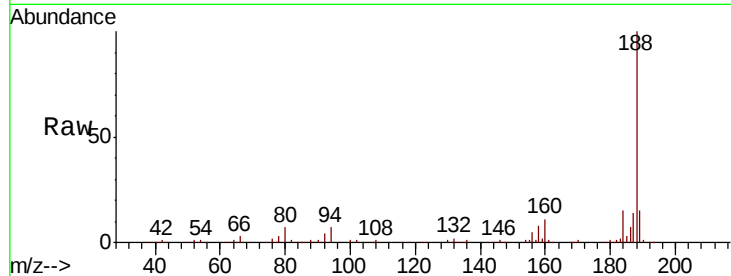
Tot Ion:188 Resp: 254462

Ion Ratio Lower Upper

188 100

94 6.6 5.0 7.4

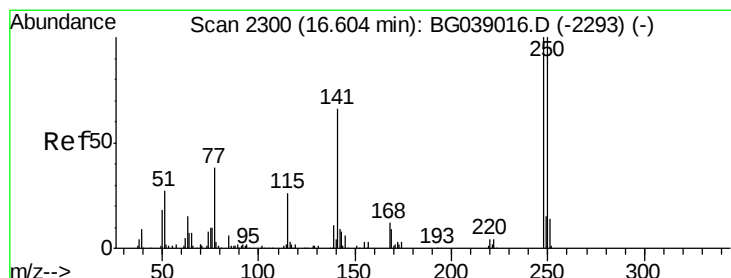
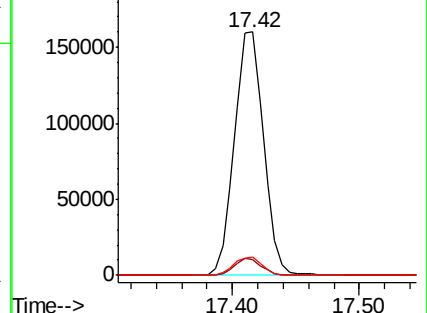
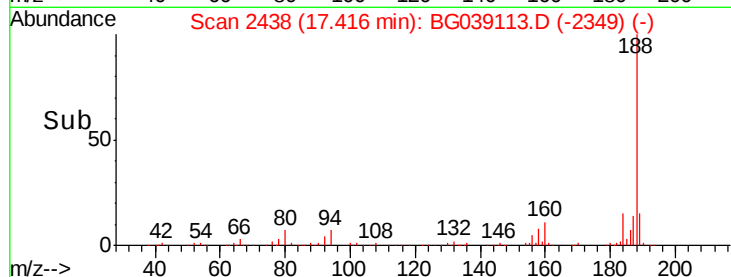
80 7.4 4.7 7.1#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#67

4-Bromophenyl-phenylether

Concen: 3.707 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG039113.D

Acq: 12 Jan 2019 11:08

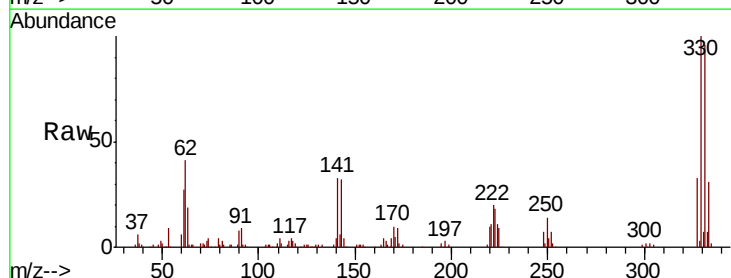
Tgt Ion:248 Resp: 12127

Ion Ratio Lower Upper

248 100

250 202.0 79.9 119.9#

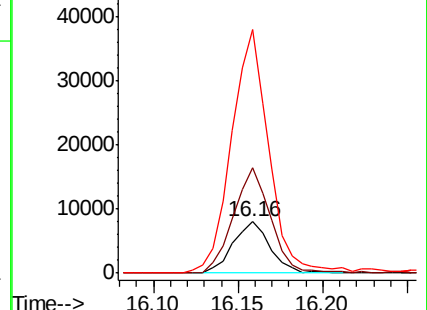
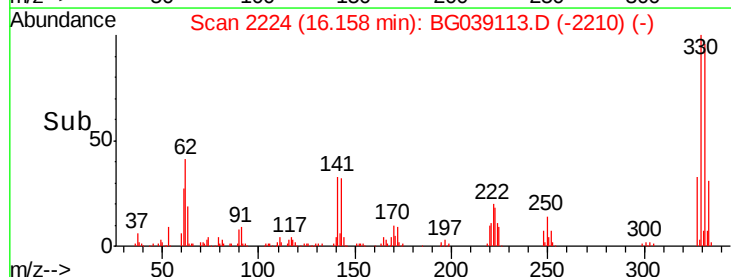
141 367.1 52.7 79.1#

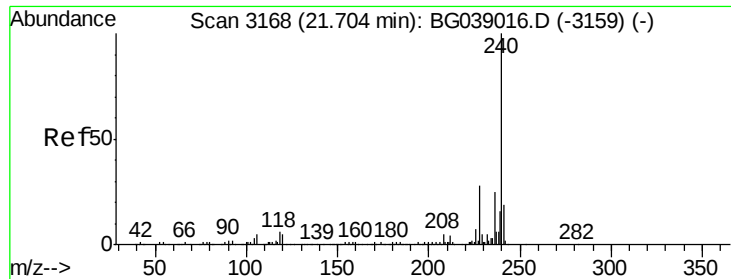


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

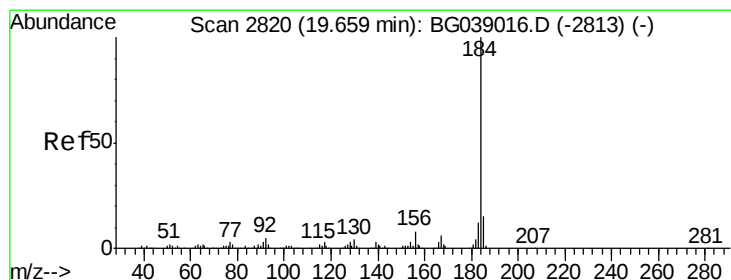
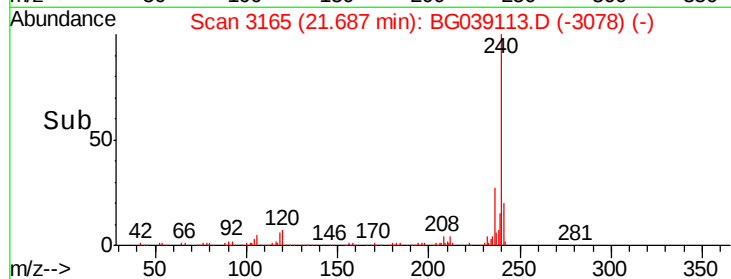
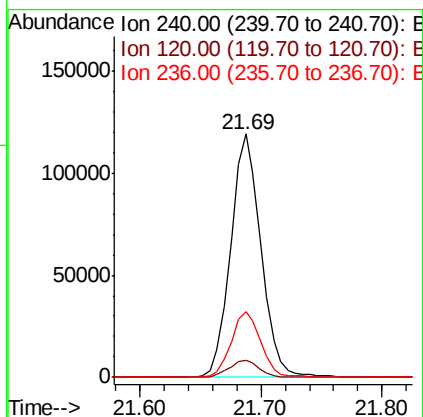
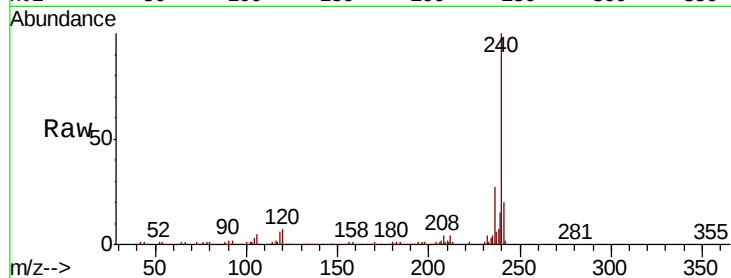




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3165
Delta R.T. -0.02 min
Lab File: BG039113.D
Acq: 12 Jan 2019 11:08

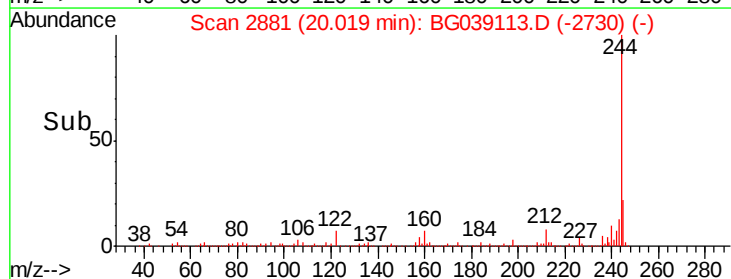
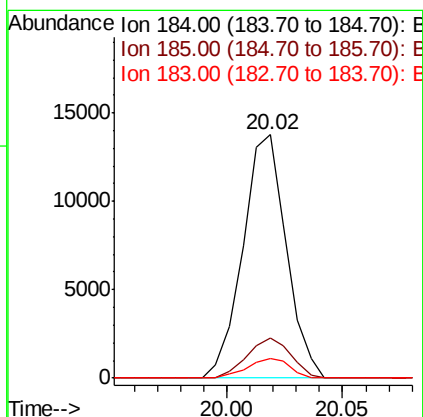
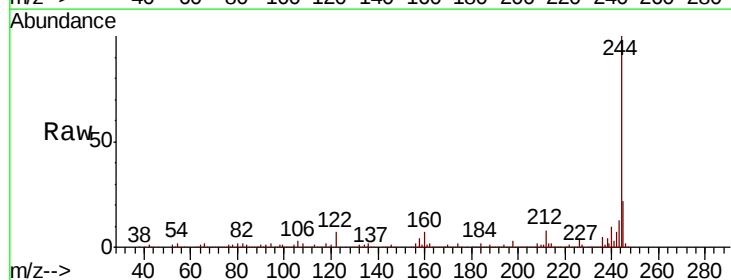
Instrument :
BNA_G
ClientSampleId :

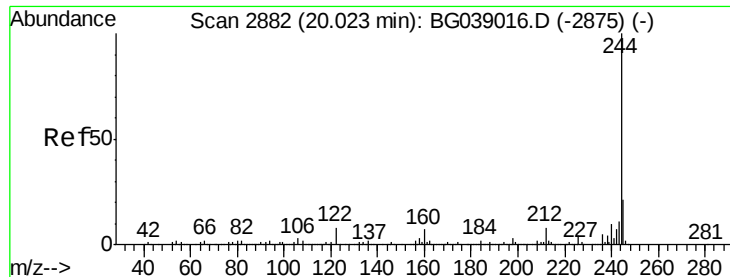
Tot Ion:240 Resp: 207774
Ion Ratio Lower Upper
240 100
120 7.0 4.3 6.5#
236 26.9 20.1 30.1



#77
Benzidine
Concen: 2.832 ng
RT: 20.02 min Scan# 2881
Delta R.T. 0.36 min
Lab File: BG039113.D
Acq: 12 Jan 2019 11:08

Tgt Ion:184 Resp: 17997
Ion Ratio Lower Upper
184 100
185 16.7 12.1 18.1
183 7.8 9.5 14.3#





#79

Terphenyl-d14

Concen: 97.403 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG039113.D

Acq: 12 Jan 2019 11:08

Instrument :

BNA_G

ClientSampled :

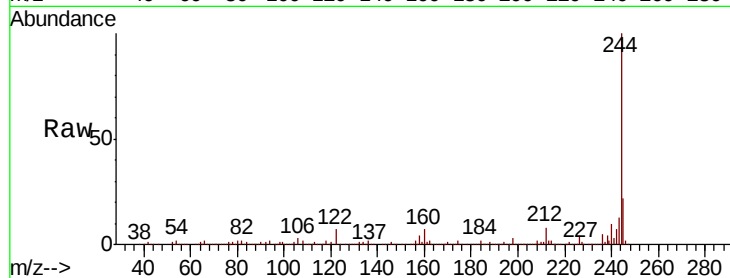
Tot Ion:244 Resp: 1093994

Ion Ratio Lower Upper

244 100

212 8.0 6.1 9.1

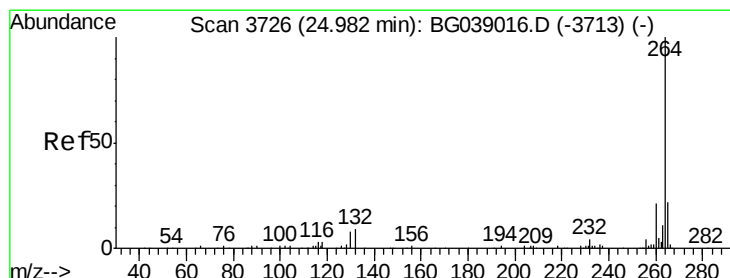
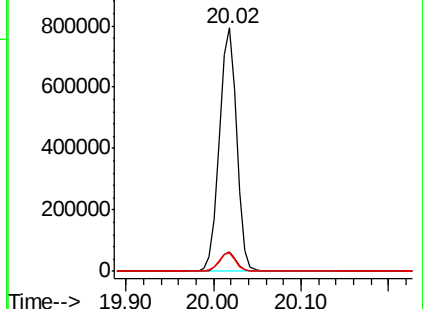
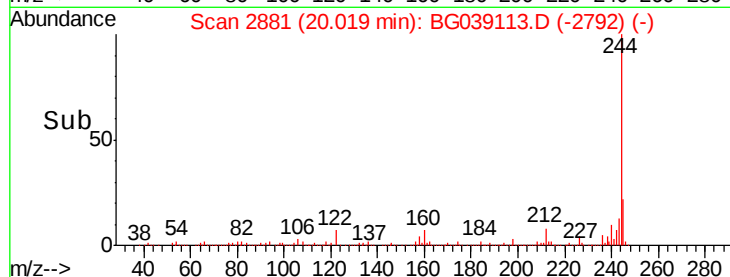
122 7.5 6.1 9.1



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: 24.96 min Scan# 3722

Delta R.T. -0.02 min

Lab File: BG039113.D

Acq: 12 Jan 2019 11:08

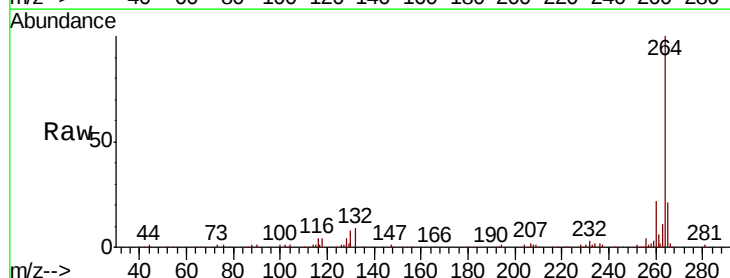
Tgt Ion:264 Resp: 218027

Ion Ratio Lower Upper

264 100

260 22.4 17.0 25.6

265 20.9 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

