

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011119\
 Data File : BG039115.D
 Acq On : 12 Jan 2019 12:26
 Operator : JU/SJ
 Sample : K1119-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 14 10:04:11 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	20343	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	89102	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	79638	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	221033	20.00	ng	0.00
76) Chrysene-d12	21.68	240	212666	20.00	ng	-0.02
87) Perylene-d12	24.96	264	228139	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	151849	141.60	ng	0.00
7) Phenol-d6	7.18	99	188935	122.42	ng	0.00
23) Nitrobenzene-d5	9.21	82	144373	88.66	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	169531	126.99	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	444135	76.32	ng	0.00
79) Terphenyl-d14	20.02	244	1035553	90.08	ng	0.00

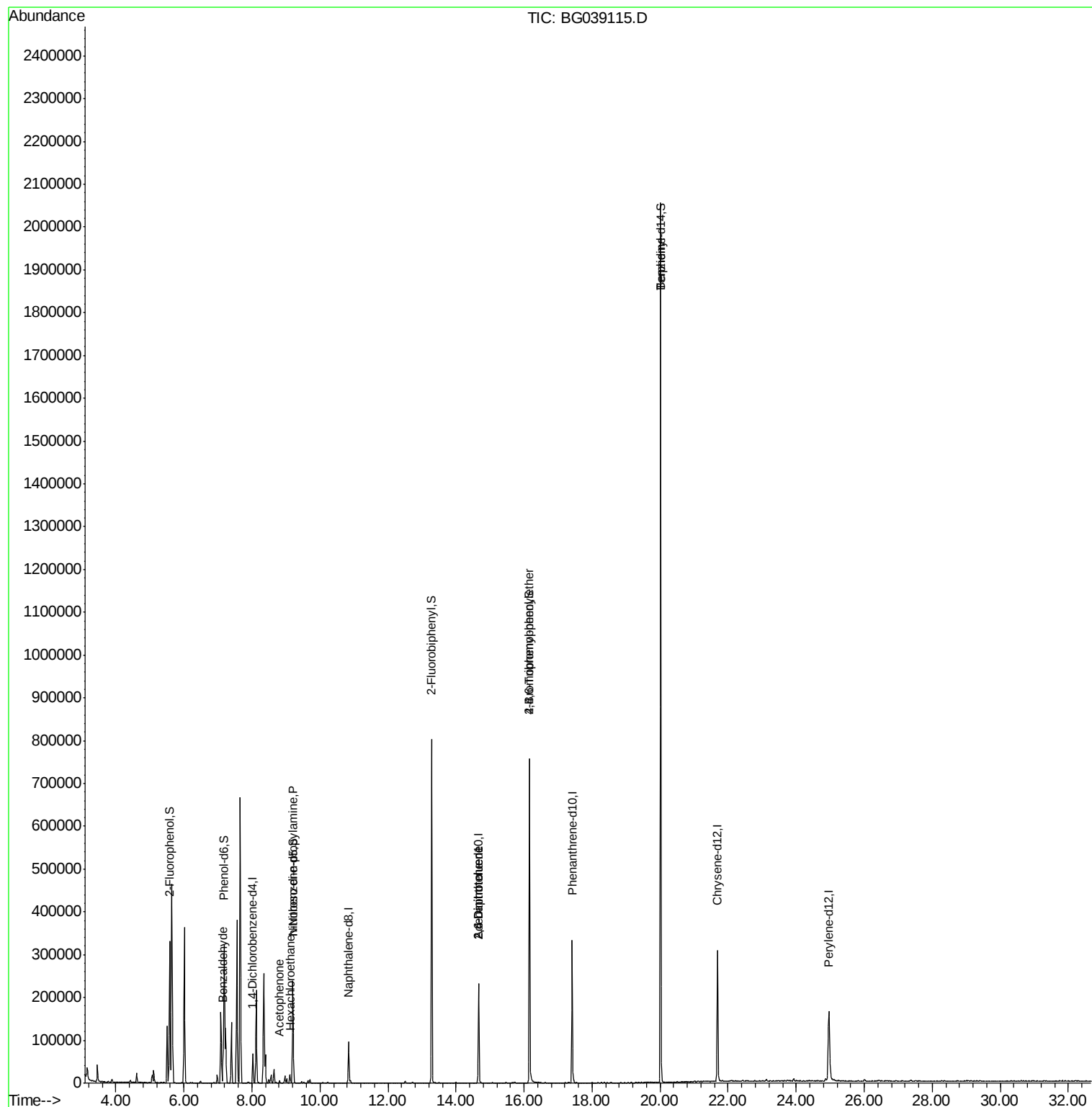
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.15	77	5448	6.121	ng	# 1
18) Hexachloroethane	9.12	117	1293	2.481	ng	# 1
19) n-Nitroso-di-n-propylamine	9.21	70	19948	19.683	ng	# 63
22) Acetophenone	8.81	105	5387	2.315	ng	# 47
51) 2,6-Dinitrotoluene	14.66	165	9920	6.593	ng	# 24
57) 2,4-Dinitrotoluene	14.66	165	9920	4.596	ng	# 26
67) 4-Bromophenyl-phenylether	16.16	248	11182	3.936	ng	# 1
77) Benzidine	20.02	184	15902	2.445	ng	# 92

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

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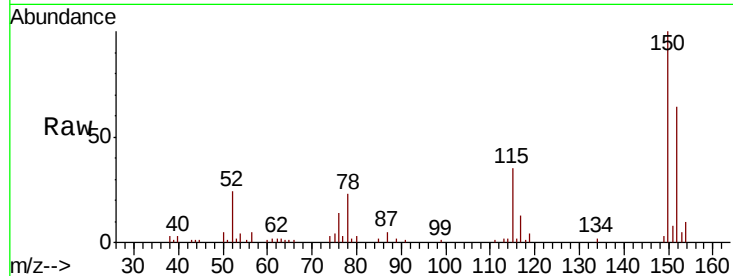


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.01 min
Lab File: BG039115.D
Acq: 12 Jan 2019 12:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.7	187.1
115	55.0	46.5	69.7

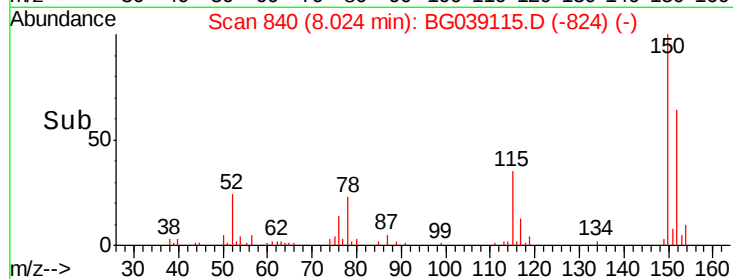
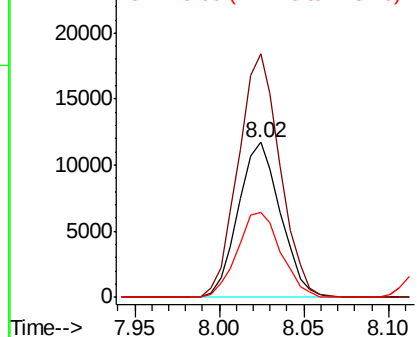


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

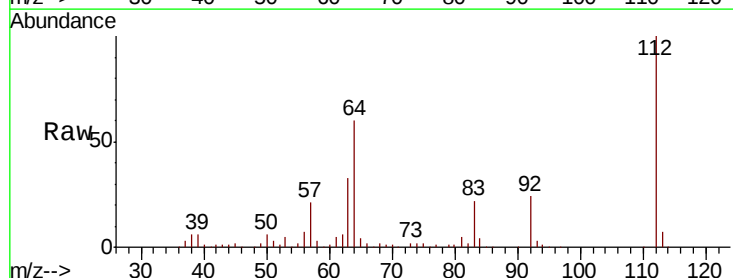
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 141.599 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG039115.D
Acq: 12 Jan 2019 12:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	47.0	70.6
63	32.5	28.0	42.0

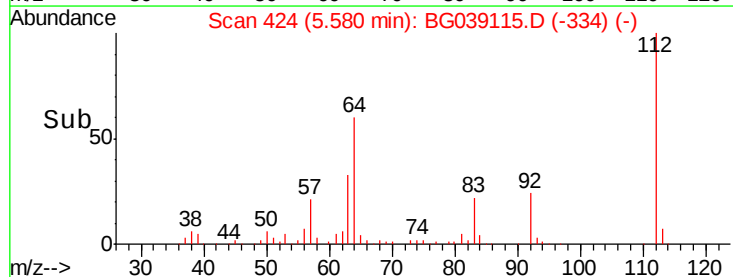
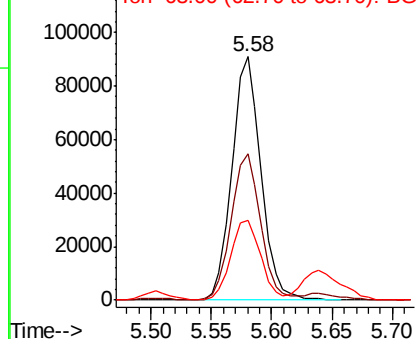


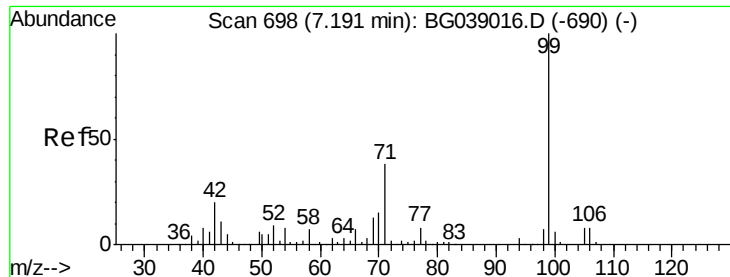
Abundance

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: 122.422 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG039115.D

Acq: 12 Jan 2019 12:26

Instrument :

BNA_G

ClientSampled :

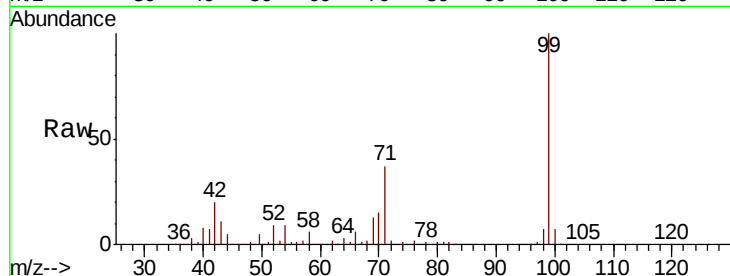
Tot Ion: 99 Resp: 188935

Ion Ratio Lower Upper

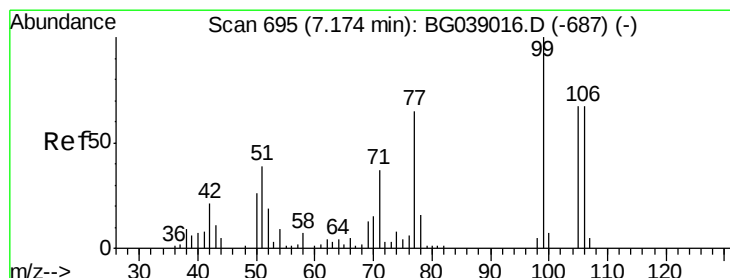
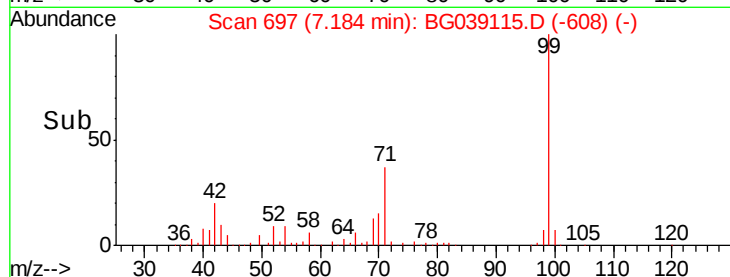
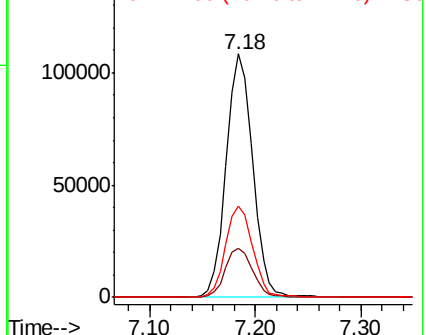
99 100

42 20.4 15.8 23.6

71 37.4 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



#9

Benzaldehyde

Concen: 6.121 ng

RT: 7.15 min Scan# 692

Delta R.T. -0.02 min

Lab File: BG039115.D

Acq: 12 Jan 2019 12:26

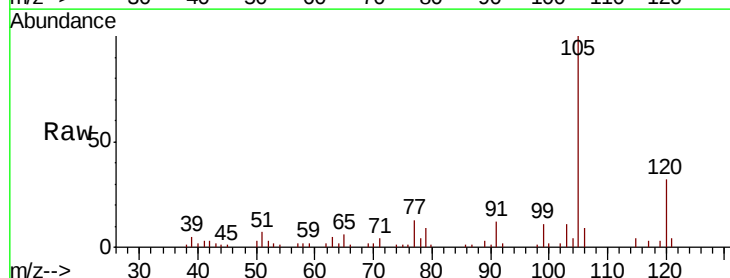
Tgt Ion: 77 Resp: 5448

Ion Ratio Lower Upper

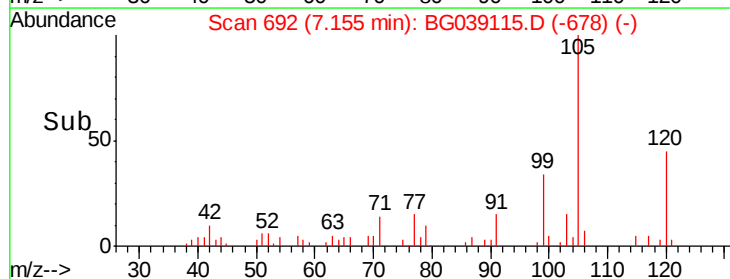
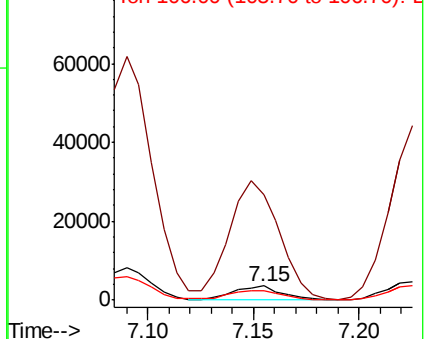
77 100

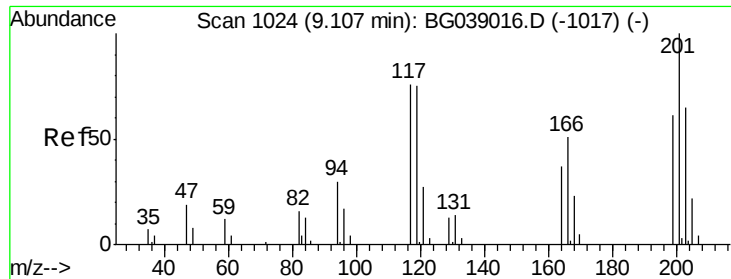
105 742.3 82.4 122.4#

106 64.3 82.8 122.8#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC

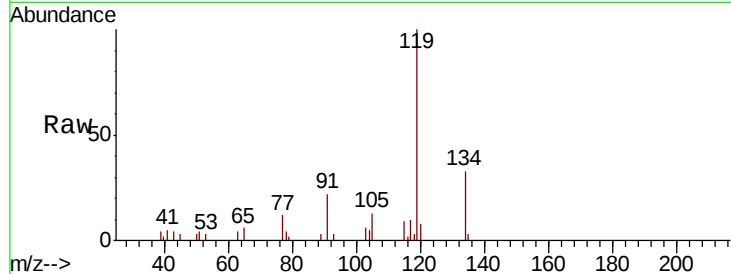




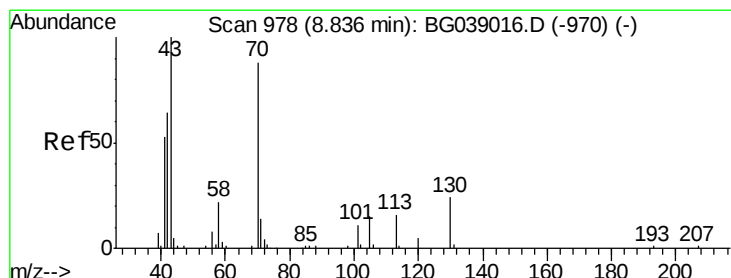
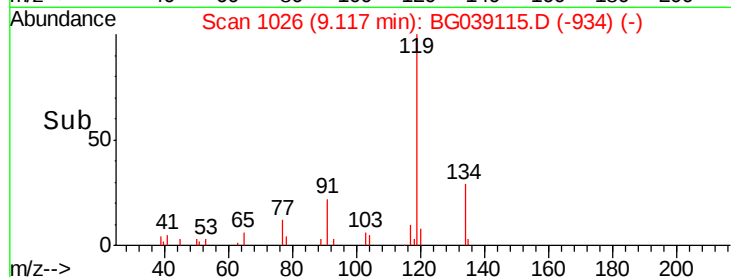
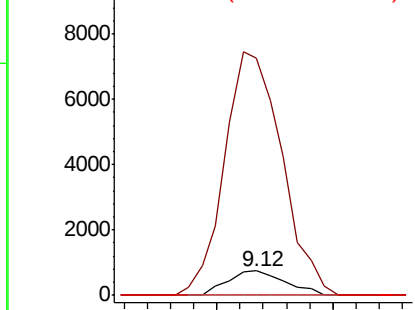
#18
Hexachloroethane
Concen: 2.481 ng
RT: 9.12 min Scan# 1026
Delta R.T. 0.01 min
Lab File: BG039115.D
Acq: 12 Jan 2019 12:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 117 Resp: 1293
Ion Ratio Lower Upper
117 100
119 976.7 78.7 118.1#
201 0.0 108.1 162.1#

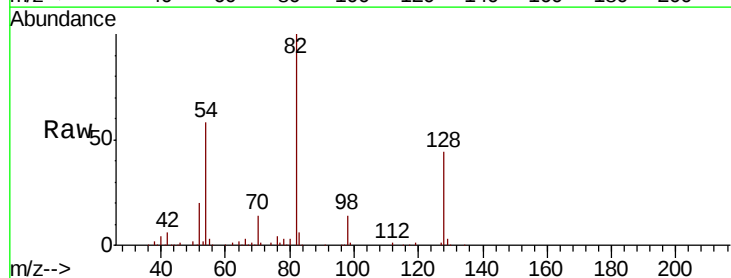


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

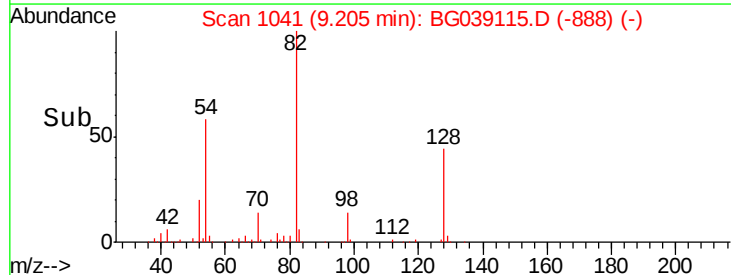
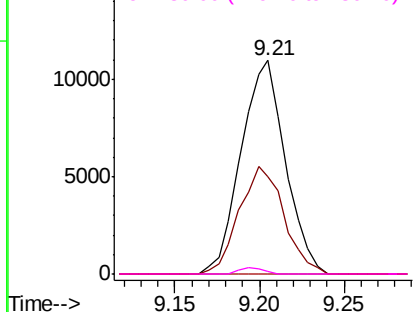


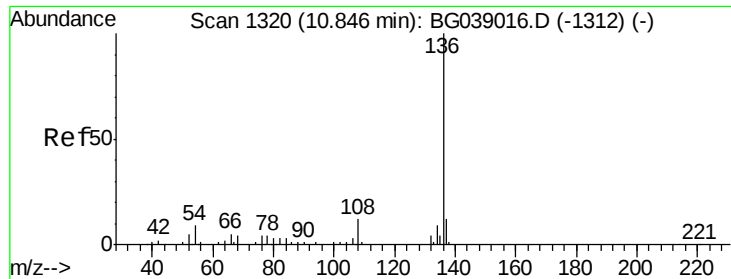
#19
n-Nitroso-di-n-propylamine
Concen: 19.683 ng
RT: 9.21 min Scan# 1041
Delta R.T. 0.37 min
Lab File: BG039115.D
Acq: 12 Jan 2019 12:26

Tgt Ion: 70 Resp: 19948
Ion Ratio Lower Upper
70 100
42 45.6 59.0 88.4#
101 0.0 10.4 15.6#
130 1.4 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

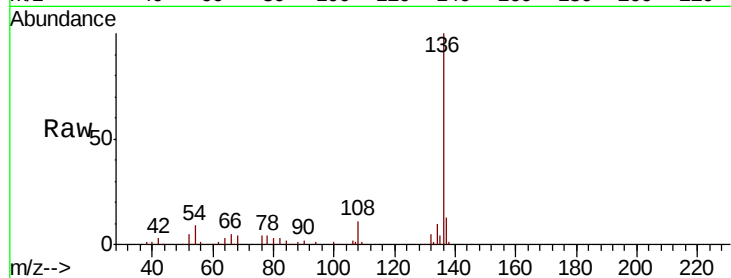




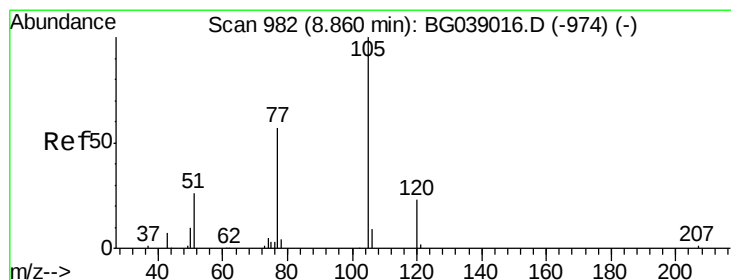
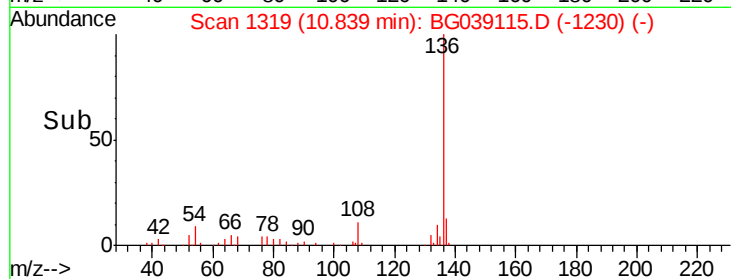
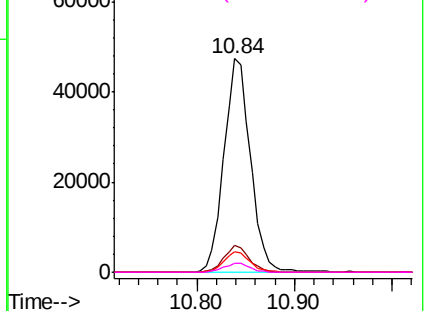
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BG039115.D
Acq: 12 Jan 2019 12:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	89102
Ion Ratio	Lower	Upper
136	100	
137	12.7	9.4 14.2
54	9.4	7.2 10.8
68	4.1	3.5 5.3

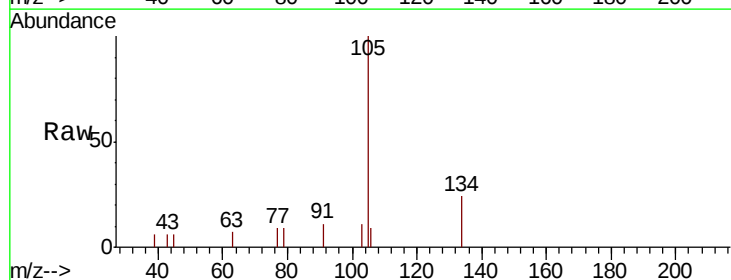


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

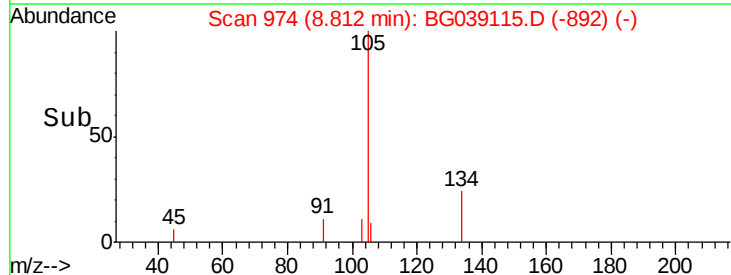
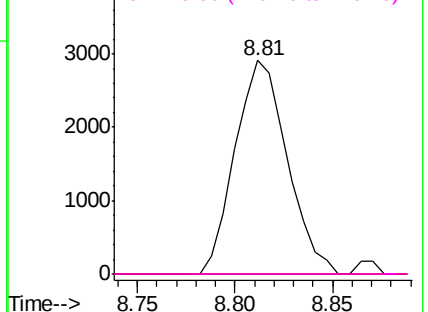


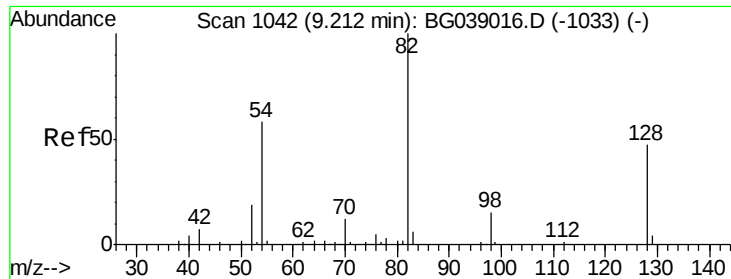
#22
Acetophenone
Concen: 2.315 ng
RT: 8.81 min Scan# 974
Delta R.T. -0.05 min
Lab File: BG039115.D
Acq: 12 Jan 2019 12:26

Tgt Ion:105	Resp:	5387
Ion Ratio	Lower	Upper
105	100	
71	0.0	0.6 1.0#
51	0.0	26.6 39.8#
120	0.0	17.9 26.9#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E

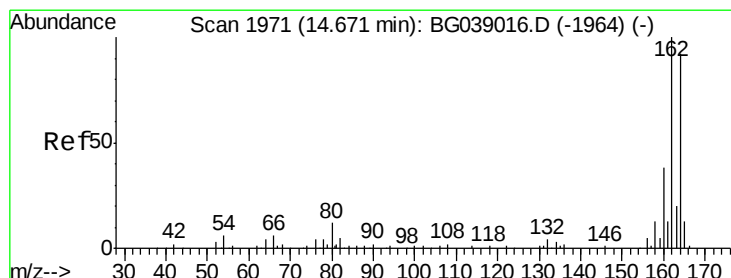
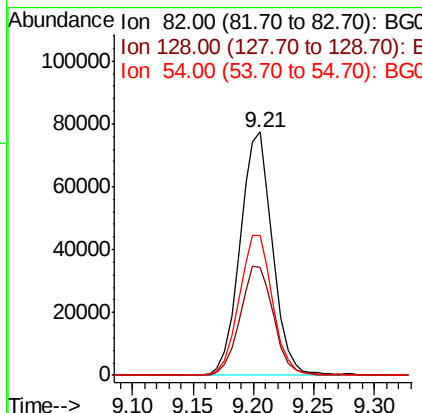
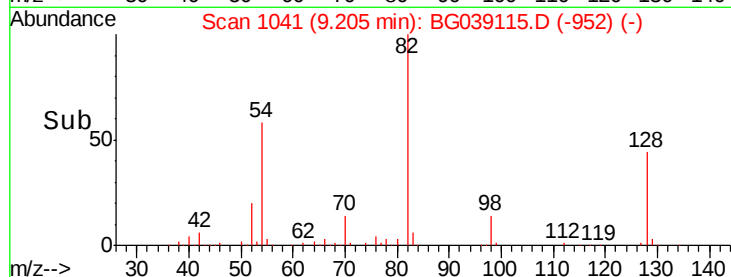
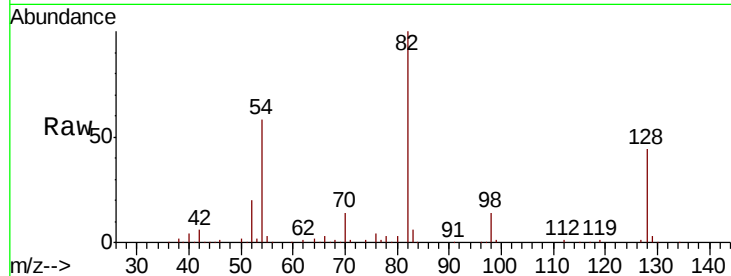




#23
 Nitrobenzene-d5
 Concen: 88.663 ng
 RT: 9.21 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BG039115.D
 Acq: 12 Jan 2019 12:26

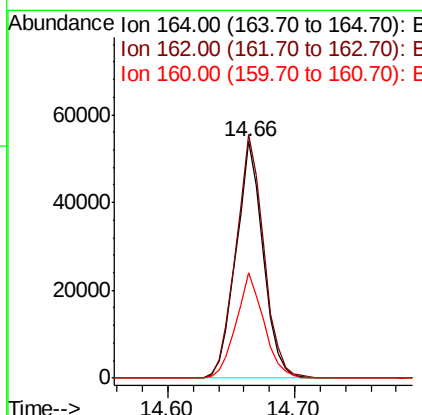
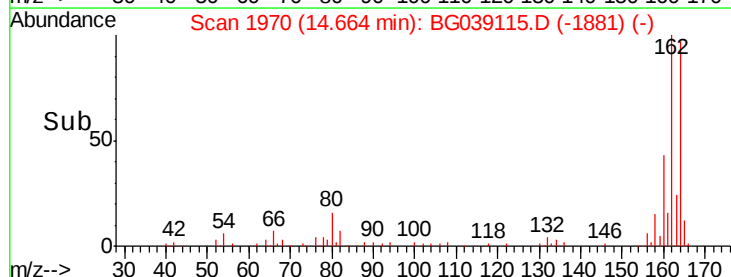
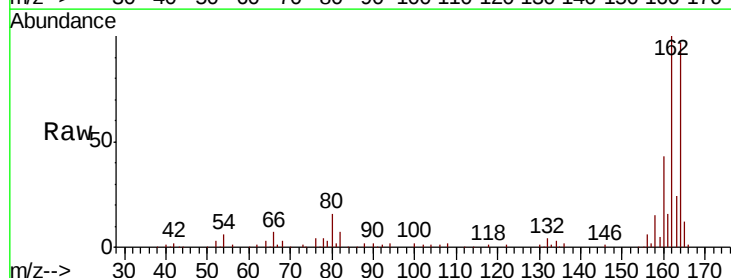
Instrument :
 BNA_G
 ClientSampled :

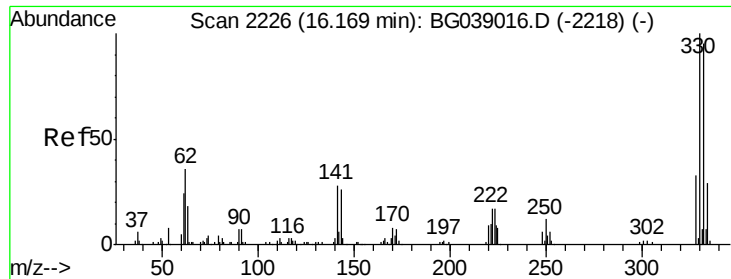
Tot Ion: 82 Resp: 144373
 Ion Ratio Lower Upper
 82 100
 128 44.4 37.3 55.9
 54 57.5 46.4 69.6



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.01 min
 Lab File: BG039115.D
 Acq: 12 Jan 2019 12:26

Tgt Ion:164 Resp: 79638
 Ion Ratio Lower Upper
 164 100
 162 102.9 87.2 130.8
 160 44.7 33.3 49.9





#42

2,4,6-Tribromophenol

Concen: 126.994 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG039115.D

Acq: 12 Jan 2019 12:26

Instrument :

BNA_G

ClientSampled :

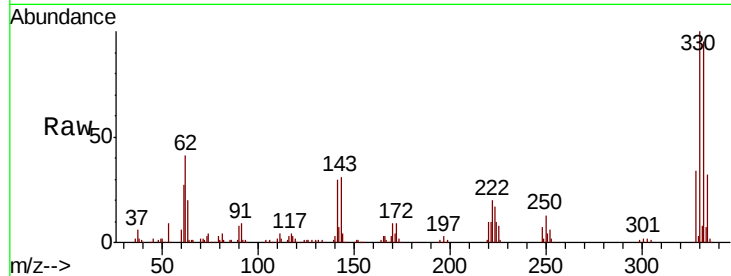
Tot Ion:330 Resp: 169531

Ion Ratio Lower Upper

330 100

332 95.3 75.7 113.5

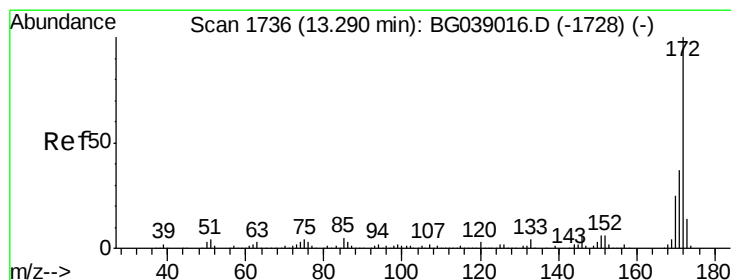
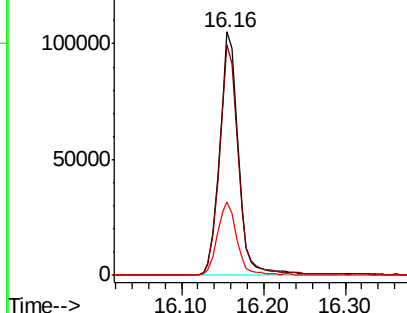
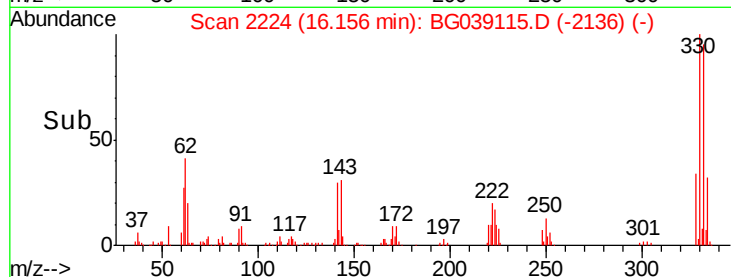
141 31.2 24.9 37.3



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: 76.324 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.01 min

Lab File: BG039115.D

Acq: 12 Jan 2019 12:26

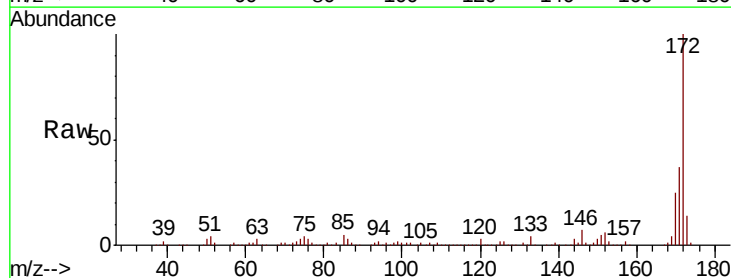
Tgt Ion:172 Resp: 444135

Ion Ratio Lower Upper

172 100

171 37.1 29.4 44.0

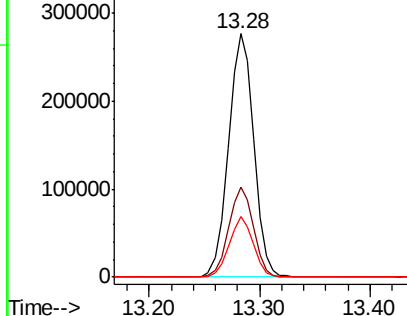
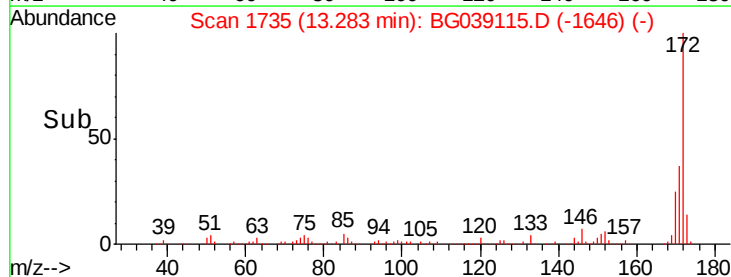
170 24.7 20.1 30.1

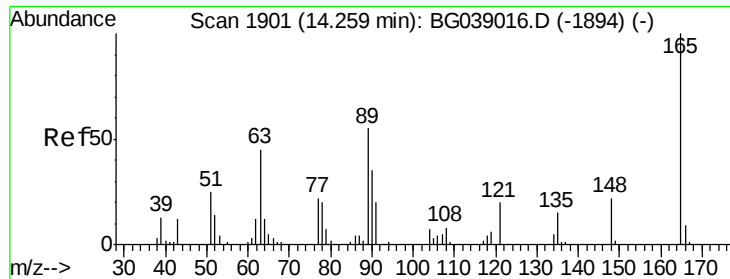


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

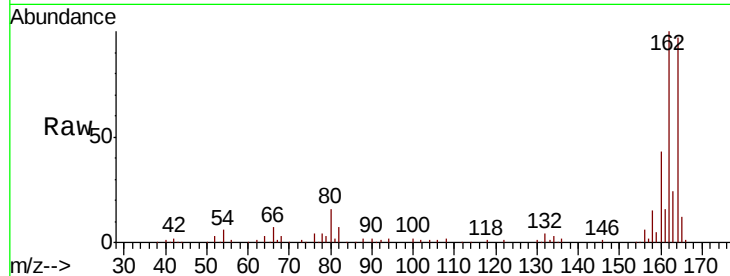




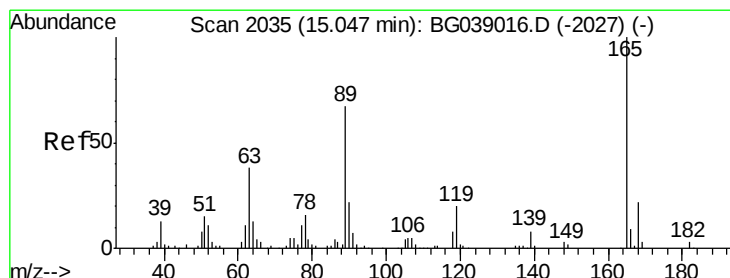
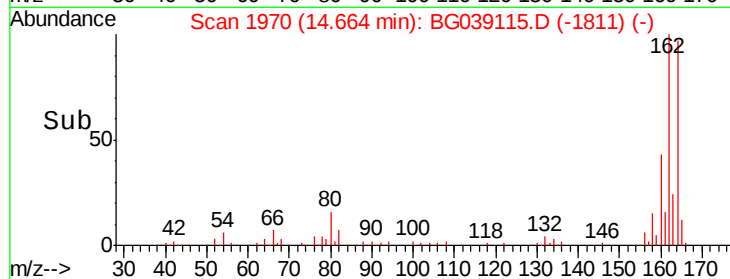
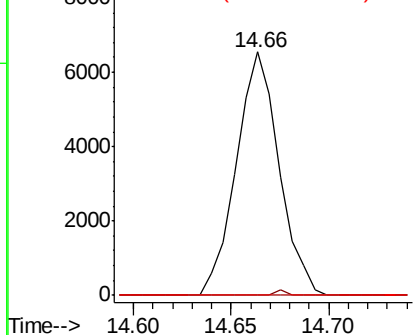
#51
 2,6-Dinitrotoluene
 Concen: 6.593 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.40 min
 Lab File: BG039115.D
 Acq: 12 Jan 2019 12:26

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#

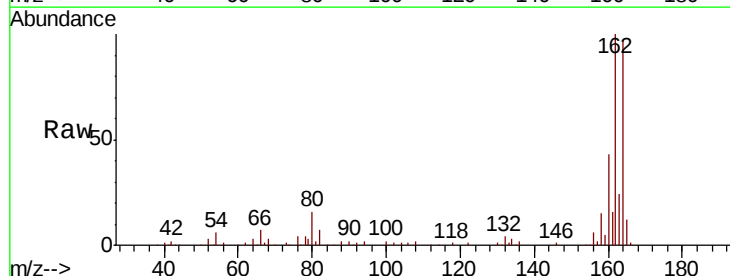


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

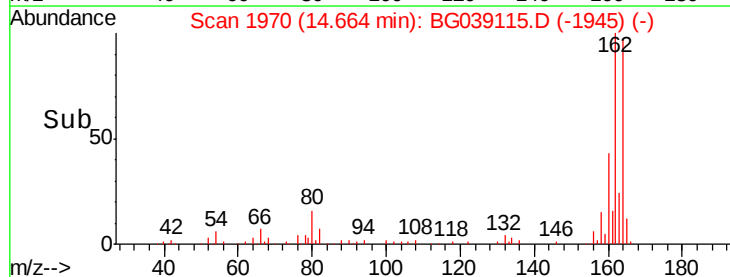
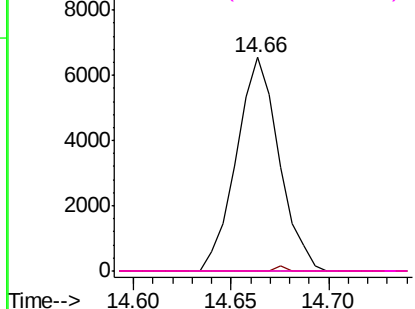


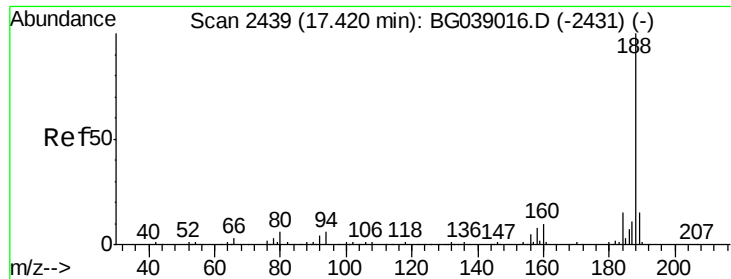
#57
 2,4-Dinitrotoluene
 Concen: 4.596 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.38 min
 Lab File: BG039115.D
 Acq: 12 Jan 2019 12:26

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): 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: BG039115.D

Acq: 12 Jan 2019 12:26

Instrument :

BNA_G

ClientSampleId :

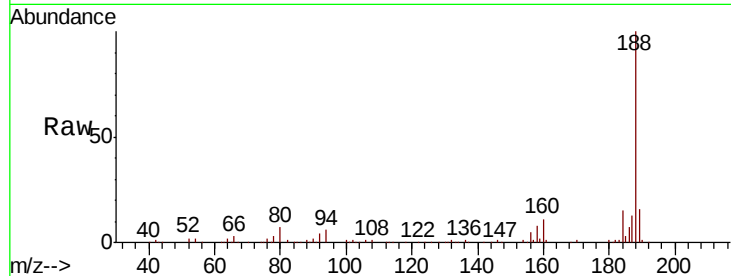
Tot Ion:188 Resp: 221033

Ion Ratio Lower Upper

188 100

94 6.1 5.0 7.4

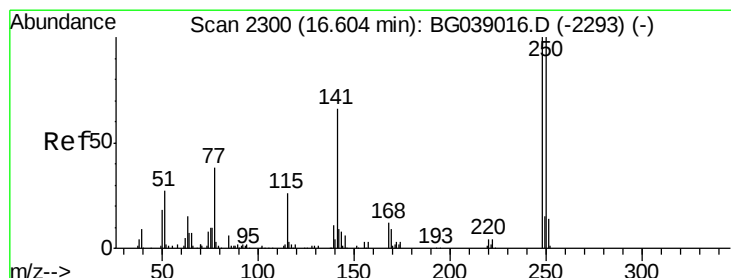
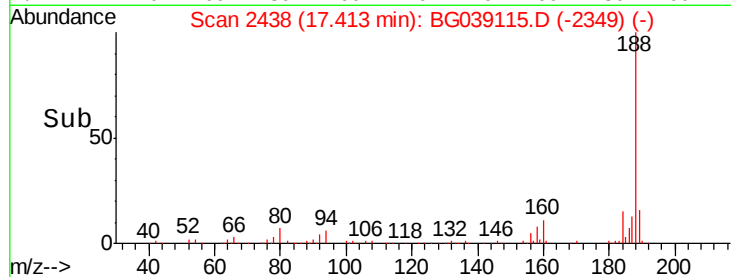
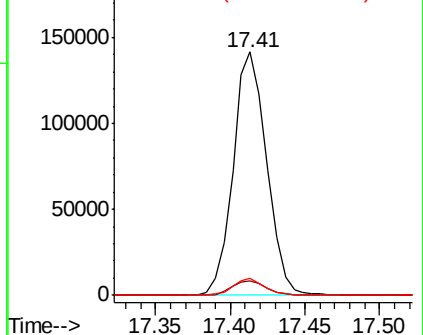
80 6.9 4.7 7.1



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: 3.936 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG039115.D

Acq: 12 Jan 2019 12:26

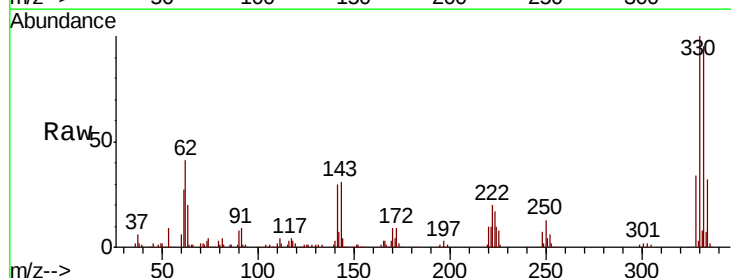
Tgt Ion:248 Resp: 11182

Ion Ratio Lower Upper

248 100

250 183.4 79.9 119.9#

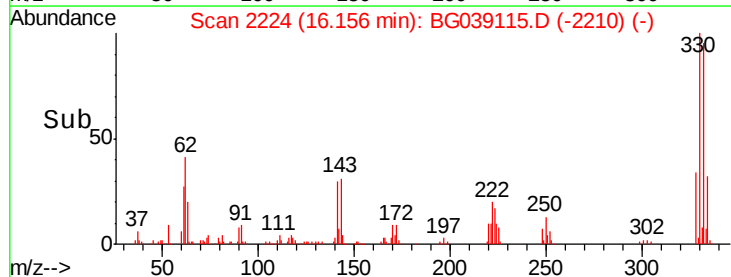
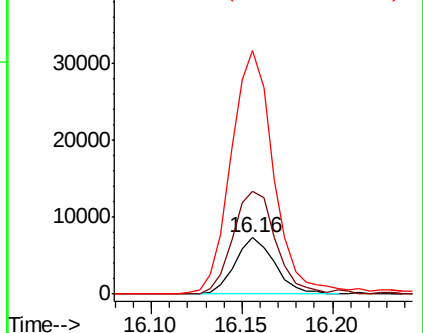
141 331.8 52.7 79.1#

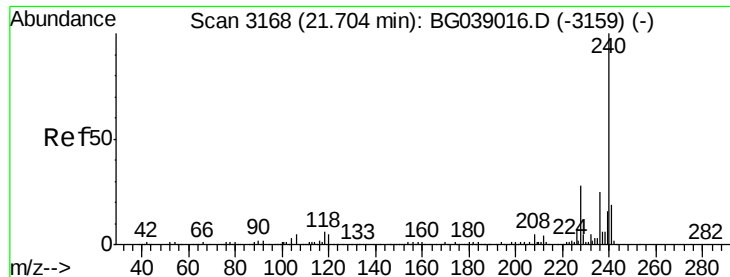


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.68 min Scan# 3165

Delta R.T. -0.02 min

Lab File: BG039115.D

Acq: 12 Jan 2019 12:26

Instrument :

BNA_G

ClientSampleId :

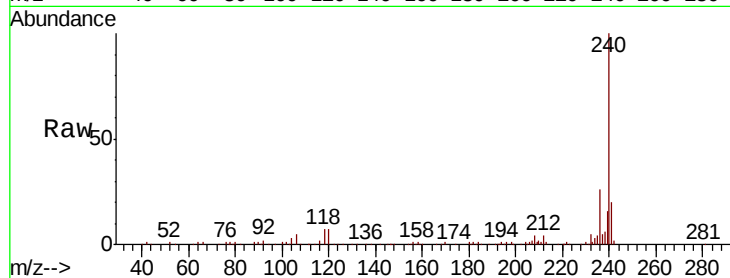
Tot Ion:240 Resp: 212666

Ion Ratio Lower Upper

240 100

120 6.8 4.3 6.5#

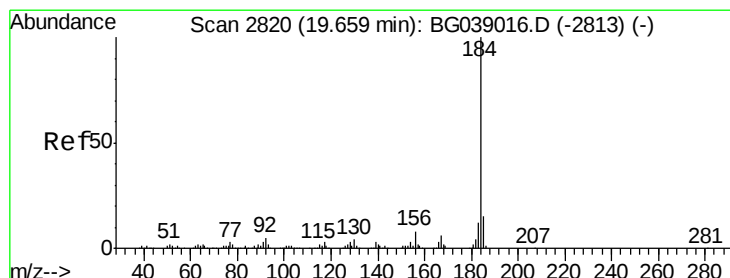
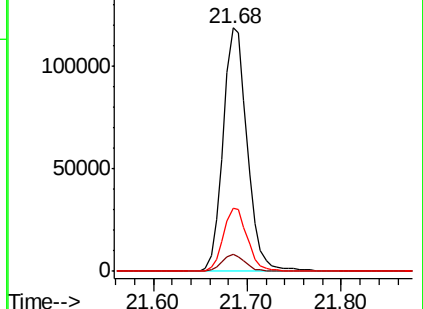
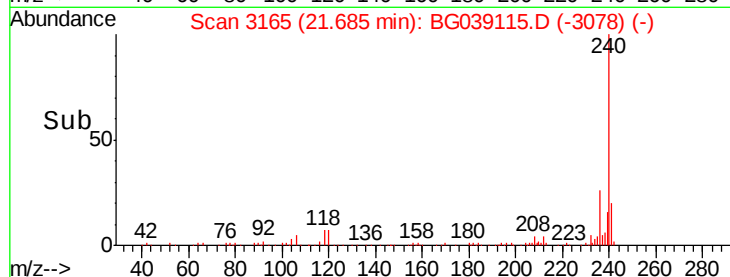
236 26.1 20.1 30.1



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: 2.445 ng

RT: 20.02 min Scan# 2881

Delta R.T. 0.36 min

Lab File: BG039115.D

Acq: 12 Jan 2019 12:26

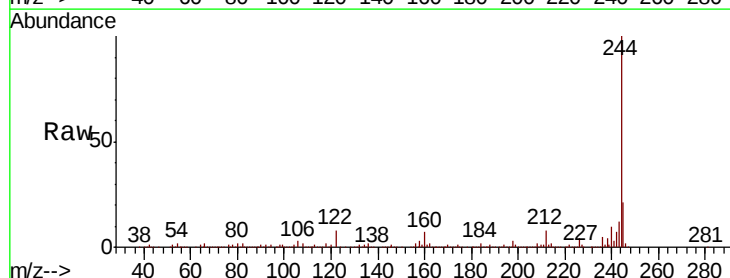
Tgt Ion:184 Resp: 15902

Ion Ratio Lower Upper

184 100

185 18.8 12.1 18.1#

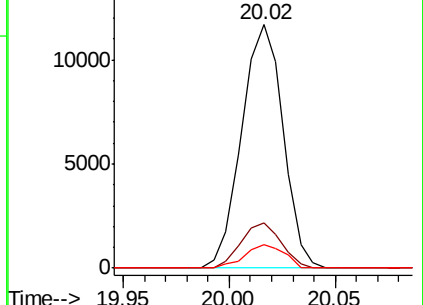
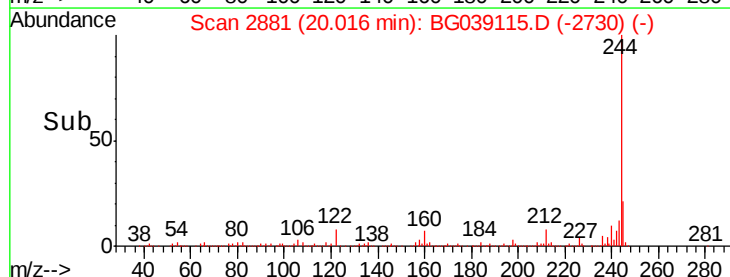
183 9.4 9.5 14.3#

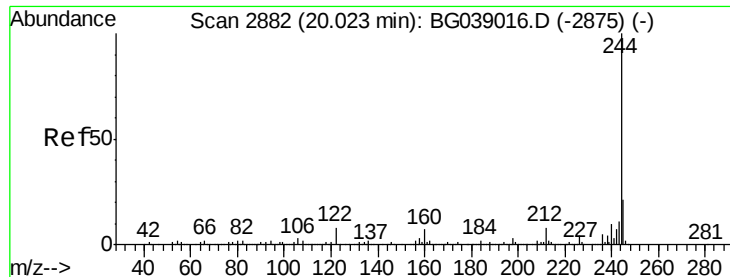


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 90.078 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG039115.D

Acq: 12 Jan 2019 12:26

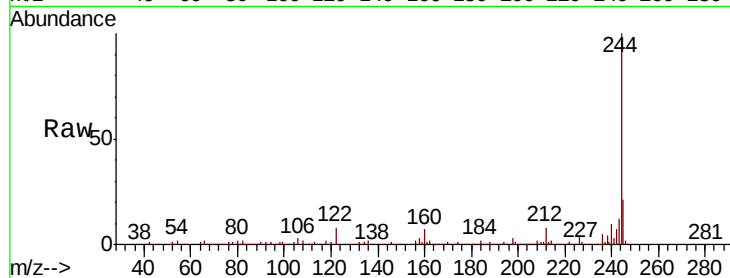
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1035553

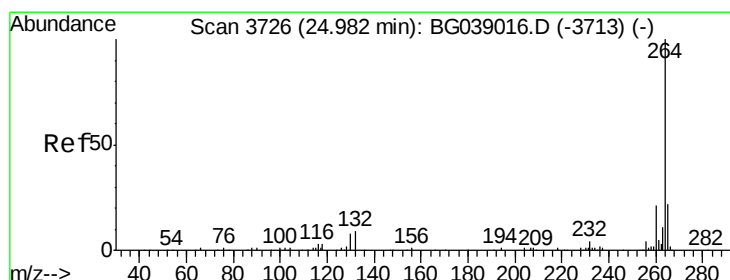
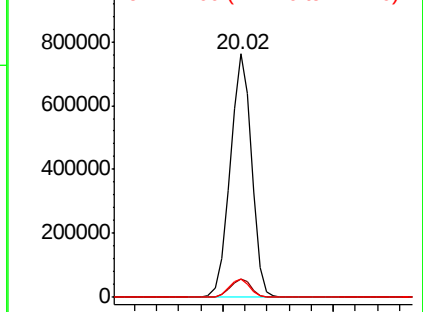
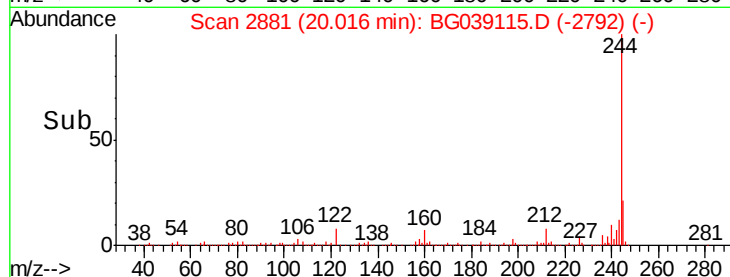
Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.1	9.1
122	7.6	6.1	9.1



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: 24.96 min Scan# 3723

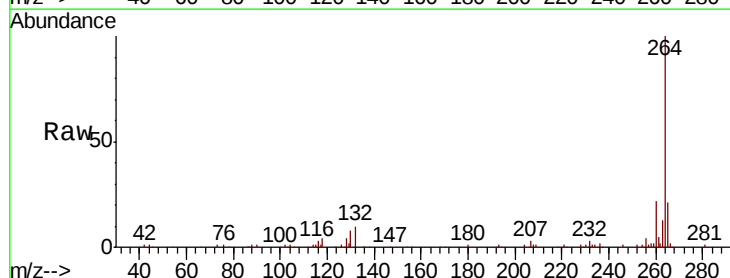
Delta R.T. -0.02 min

Lab File: BG039115.D

Acq: 12 Jan 2019 12:26

Tgt Ion:264 Resp: 228139

Ion	Ratio	Lower	Upper
264	100		
260	22.2	17.0	25.6
265	20.7	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

