

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031219\
 Data File : BG039901.D
 Acq On : 13 Mar 2019 9:24
 Operator : JU/SJ
 Sample : PB117850TB
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 15:07:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	36108	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	148137	20.00	ng	-0.02
39) Acenaphthene-d10	14.78	164	105124	20.00	ng	-0.01
64) Phenanthrene-d10	17.52	188	268573	20.00	ng	-0.01
76) Chrysene-d12	21.81	240	284659	20.00	ng	-0.02
87) Perylene-d12	25.18	264	261139	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.70	112	269509	127.34	ng	-0.01
7) Phenol-d6	7.29	99	335175	106.21	ng	-0.02
23) Nitrobenzene-d5	9.33	82	280746	102.50	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	156105	127.40	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	681133	92.25	ng	-0.02
79) Terphenyl-d14	20.11	244	1240635	95.96	ng	-0.01

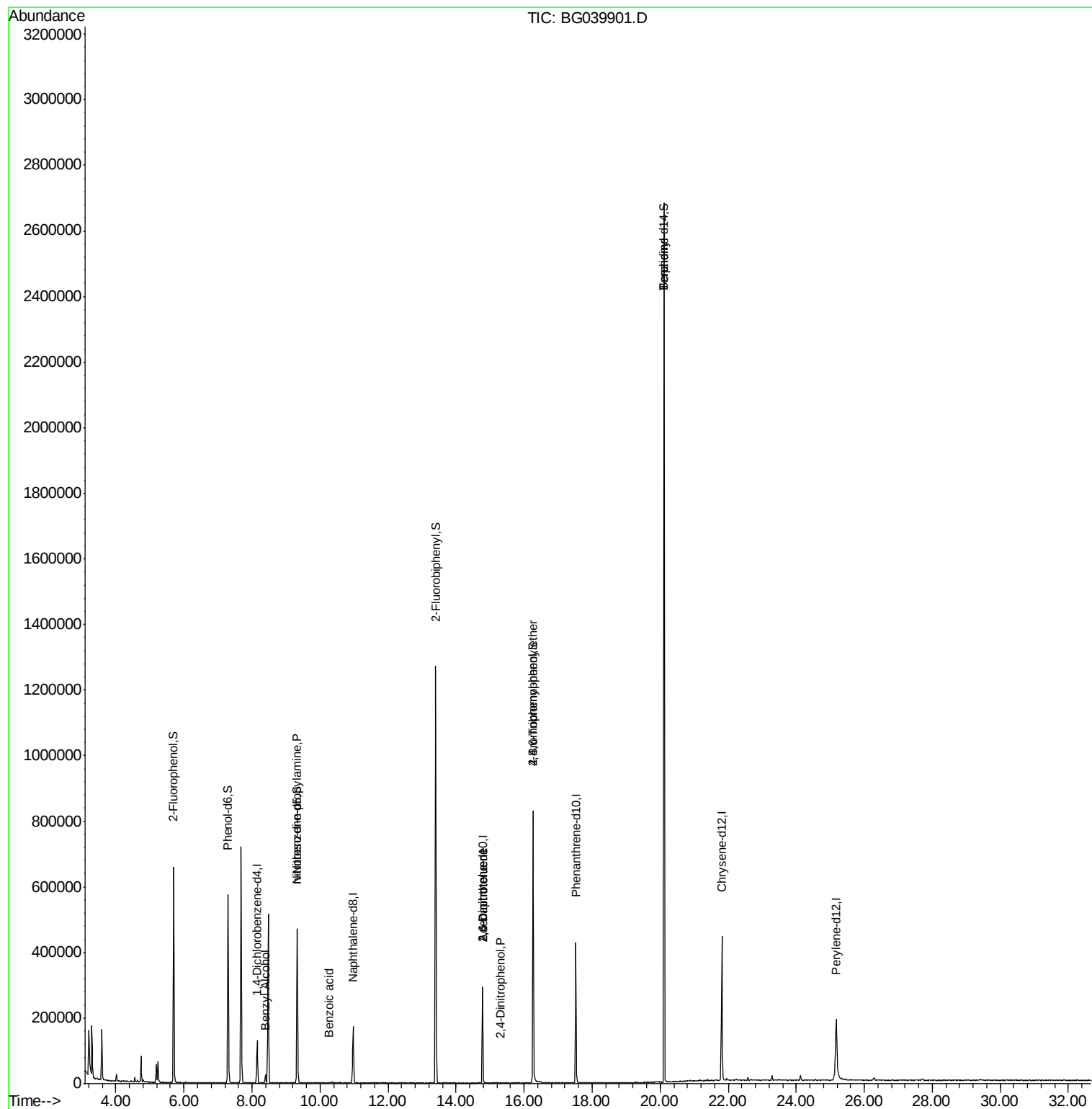
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	8.39	79	9454	3.776	ng	98
19) n-Nitroso-di-n-propylamine	9.33	70	36560	16.095	ng	# 64
32) Benzoic acid	10.26	122	1020	7.192	ng	# 69
51) 2,6-Dinitrotoluene	14.78	165	14241	7.642	ng	# 23
54) 2,4-Dinitrophenol	15.32	184	67	5.309	ng	# 18
57) 2,4-Dinitrotoluene	14.78	165	14241	5.439	ng	# 19
67) 4-Bromophenyl-phenylether	16.26	248	12208	4.061	ng	# 1
77) Benzidine	20.11	184	21694	2.402	ng	# 94

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

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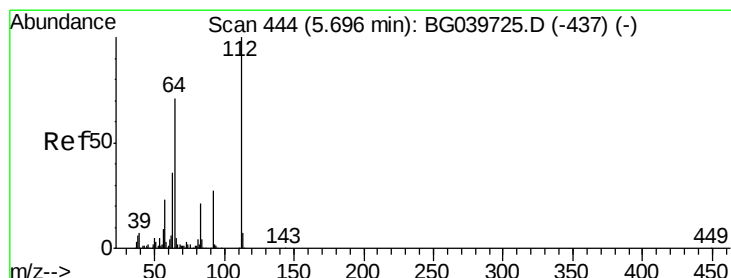
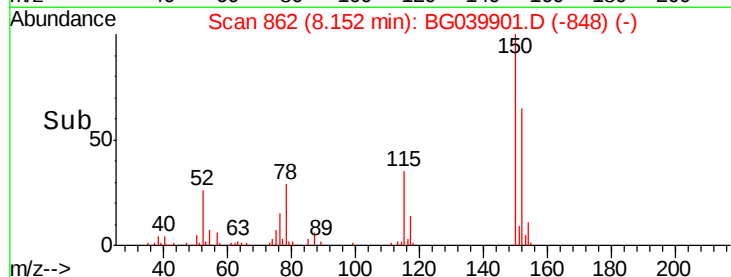
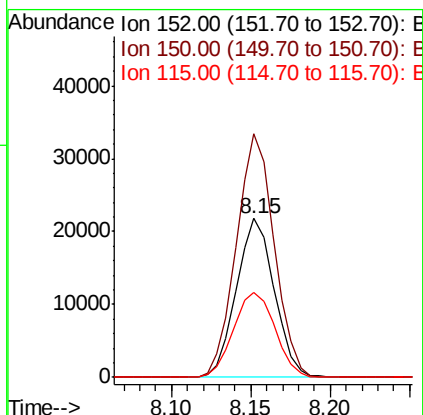
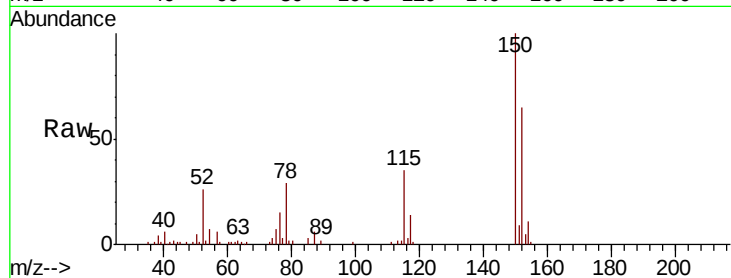


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 862
Delta R.T. -0.02 min
Lab File: BG039901.D
Acq: 13 Mar 2019 9:24

Instrument :
BNA_G
ClientSampleId :

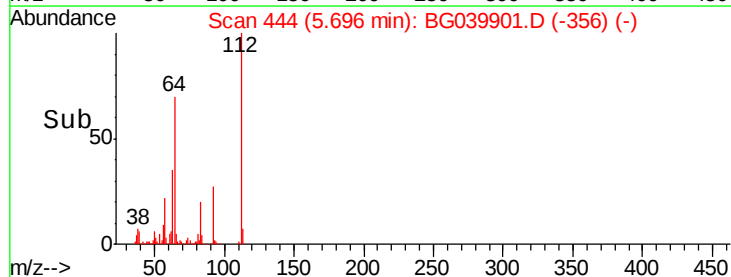
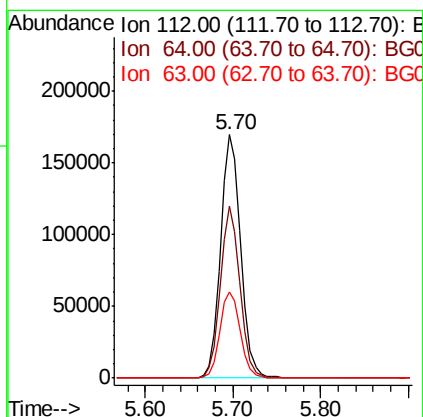
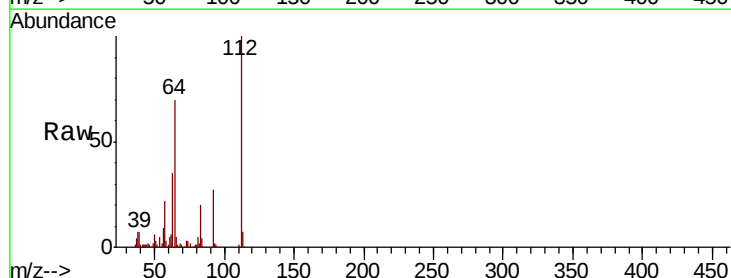
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	123.7	185.5
115	53.8	45.9	68.9



#5

2-Fluorophenol
Concen: 127.336 ng
RT: 5.70 min Scan# 444
Delta R.T. -0.01 min
Lab File: BG039901.D
Acq: 13 Mar 2019 9:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.4	57.8	86.8
63	35.4	29.8	44.6





#7

Phenol-d6

Concen: 106.207 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039901.D

Acq: 13 Mar 2019 9:24

Instrument :

BNA_G

ClientSampled :

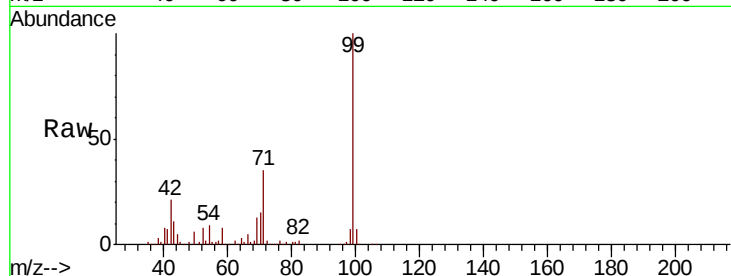
Tot Ion: 99 Resp: 335175

Ion Ratio Lower Upper

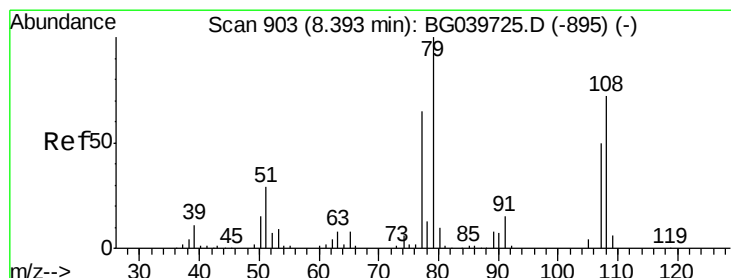
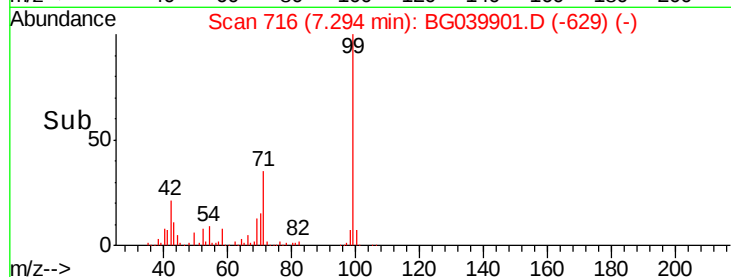
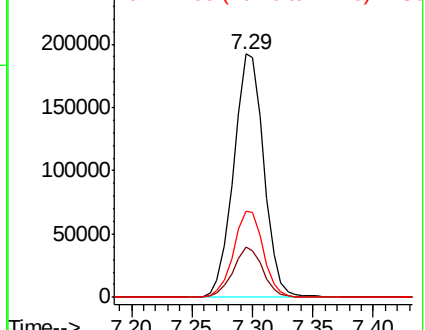
99 100

42 20.5 18.2 27.2

71 35.1 28.0 42.0



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



#15

Benzyl Alcohol

Concen: 3.776 ng

RT: 8.39 min Scan# 903

Delta R.T. -0.01 min

Lab File: BG039901.D

Acq: 13 Mar 2019 9:24

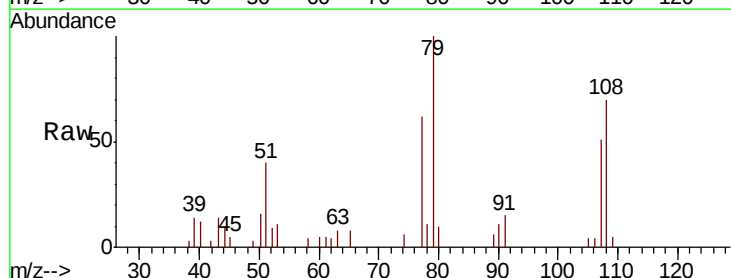
Tgt Ion: 79 Resp: 9454

Ion Ratio Lower Upper

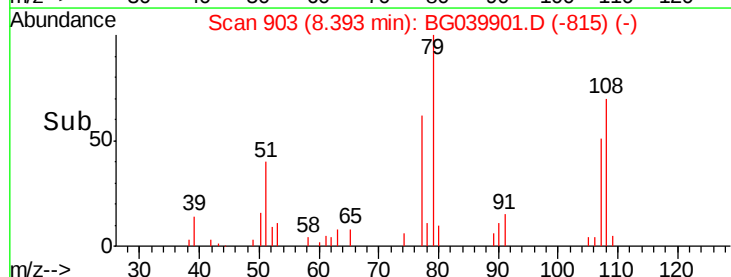
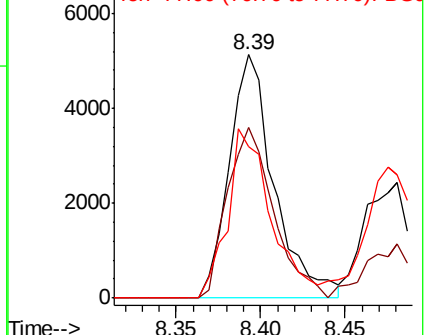
79 100

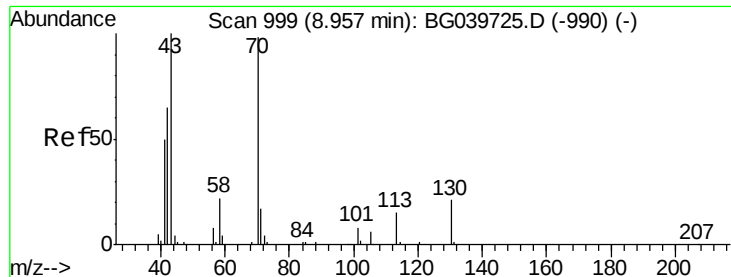
108 70.2 57.8 86.6

77 62.1 51.1 76.7



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

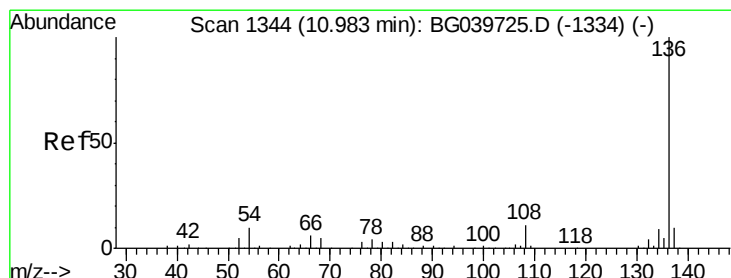
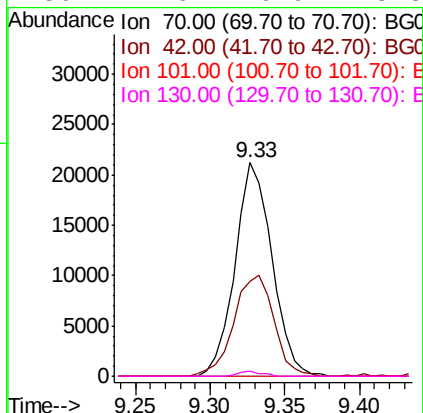
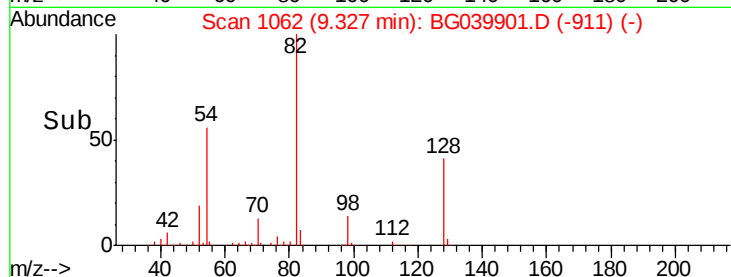
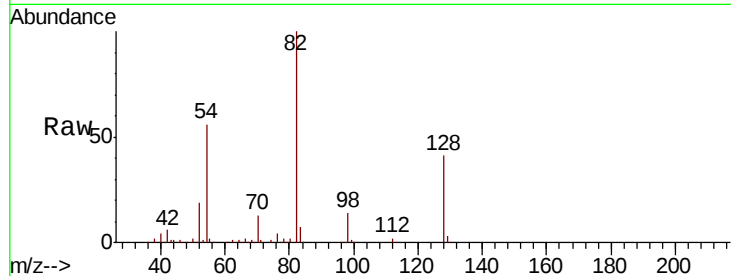




#19
n-Nitroso-di-n-propylamine
Concen: 16.095 ng
RT: 9.33 min Scan# 1062
Delta R.T. 0.36 min
Lab File: BG039901.D
Acq: 13 Mar 2019 9:24

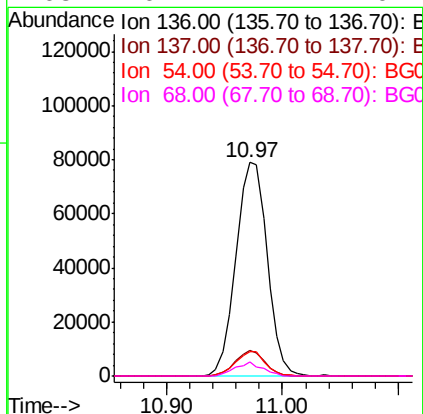
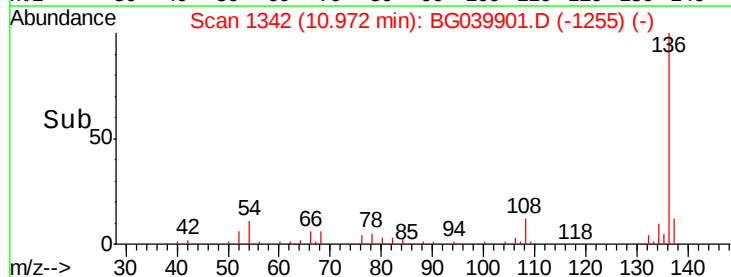
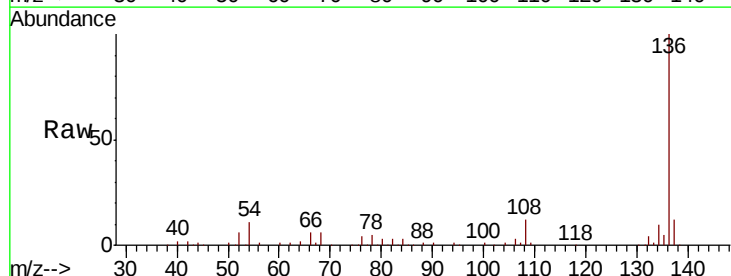
Instrument :
BNA_G
ClientSampleId :

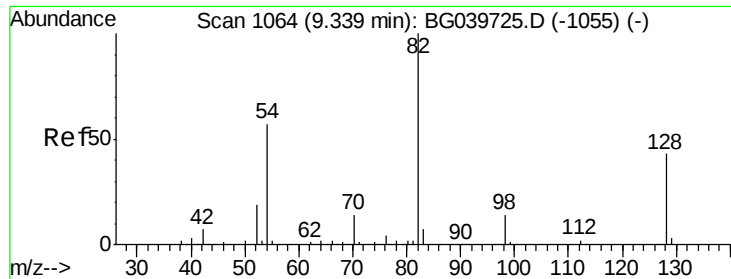
Tot Ion: 70 Resp: 36560
Ion Ratio Lower Upper
70 100
42 44.6 60.4 90.6#
101 0.0 7.5 11.3#
130 2.6 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.02 min
Lab File: BG039901.D
Acq: 13 Mar 2019 9:24

Tgt Ion: 136 Resp: 148137
Ion Ratio Lower Upper
136 100
137 12.1 9.1 13.7
54 11.2 9.4 14.2
68 6.4 4.2 6.4#

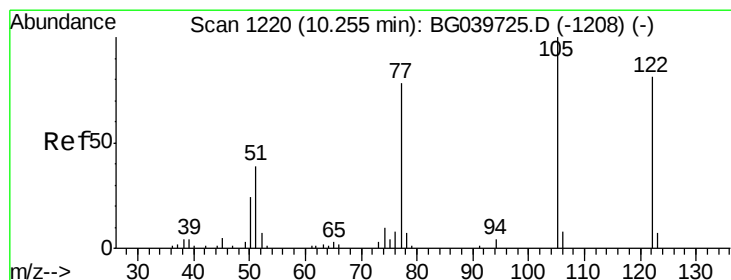
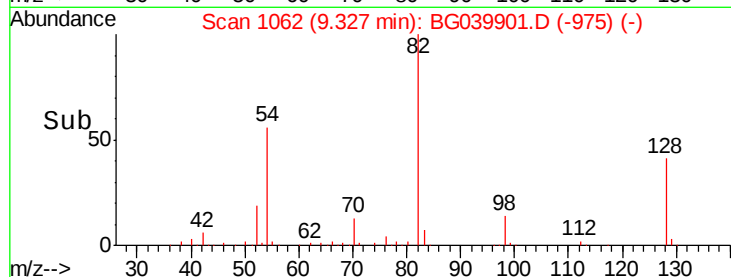
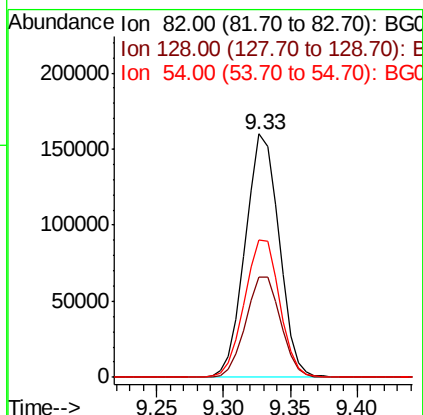
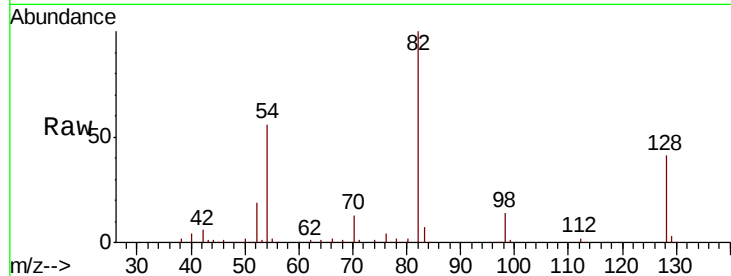




#23
 Nitrobenzene-d5
 Concen: 102.499 ng
 RT: 9.33 min Scan# 1062
 Delta R.T. -0.02 min
 Lab File: BG039901.D
 Acq: 13 Mar 2019 9:24

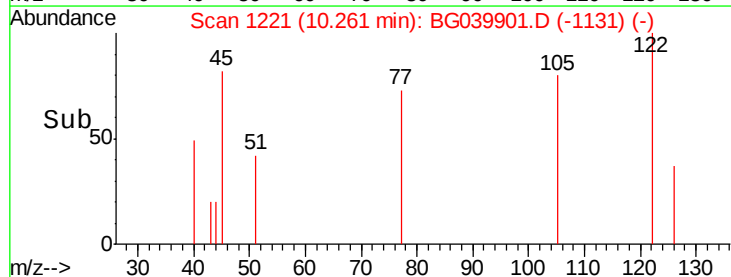
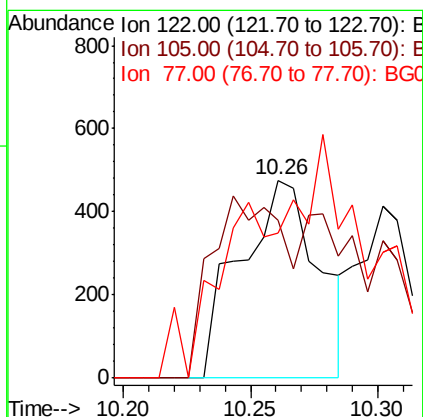
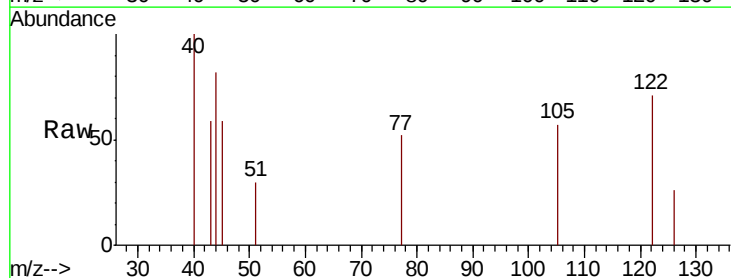
Instrument :
 BNA_G
 ClientSampled :

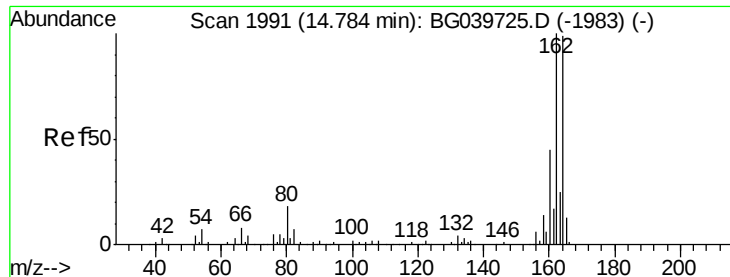
Tot Ion	82	Resp	280746
Ion Ratio	100	Lower	Upper
128	41.2	31.3	46.9
54	56.2	50.9	76.3



#32
 Benzoic acid
 Concen: 7.192 ng
 RT: 10.26 min Scan# 1221
 Delta R.T. -0.00 min
 Lab File: BG039901.D
 Acq: 13 Mar 2019 9:24

Tgt Ion	122	Resp	1020
Ion Ratio	100	Lower	Upper
105	79.8	101.8	141.8#
77	73.3	76.3	116.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BG039901.D

Acq: 13 Mar 2019 9:24

Instrument :

BNA_G

ClientSampleId :

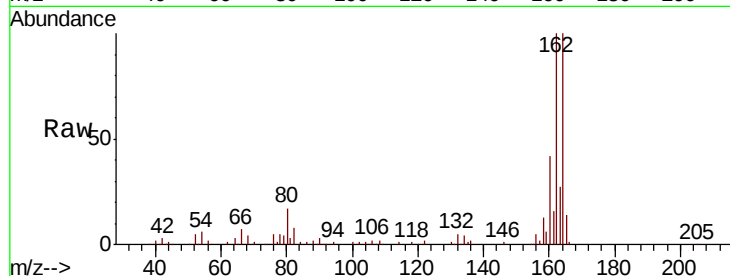
Tot Ion:164 Resp: 105124

Ion Ratio Lower Upper

164 100

162 100.5 81.6 122.4

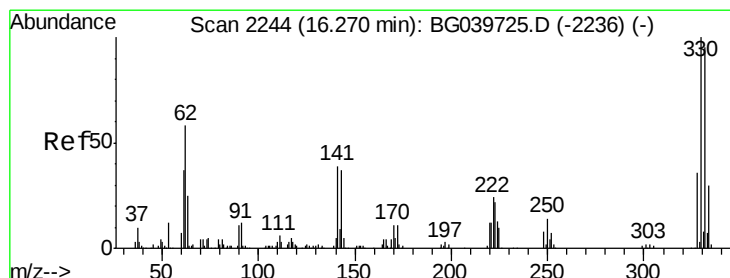
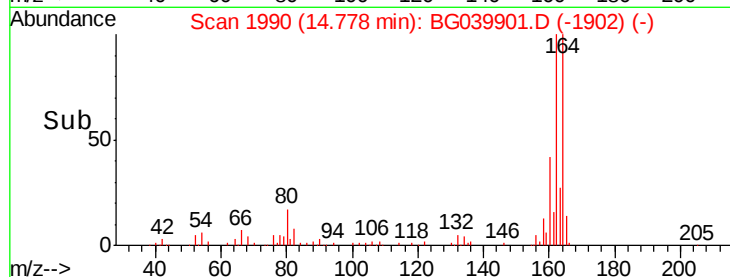
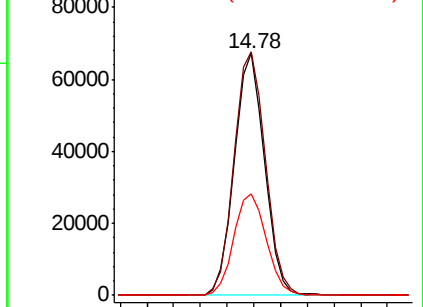
160 41.8 34.2 51.2



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: 127.402 ng

RT: 16.26 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG039901.D

Acq: 13 Mar 2019 9:24

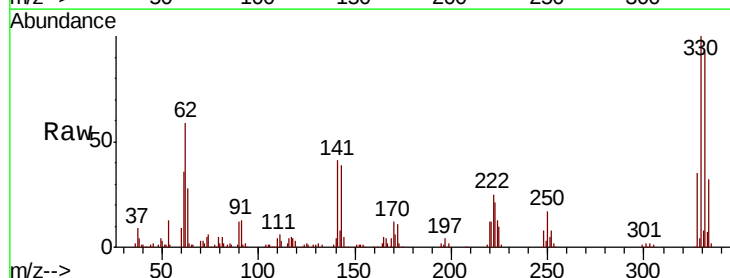
Tgt Ion:330 Resp: 156105

Ion Ratio Lower Upper

330 100

332 94.9 75.7 113.5

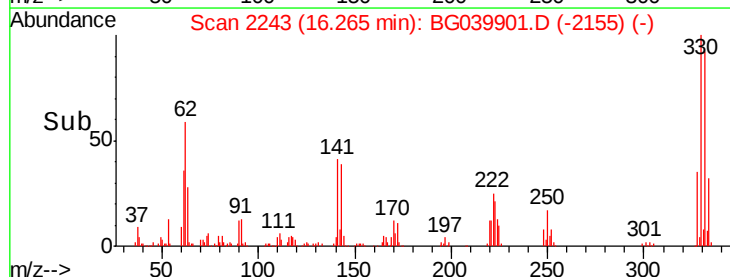
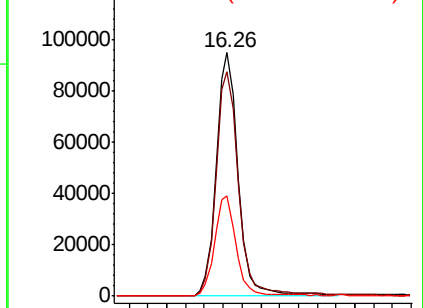
141 40.1 35.6 53.4

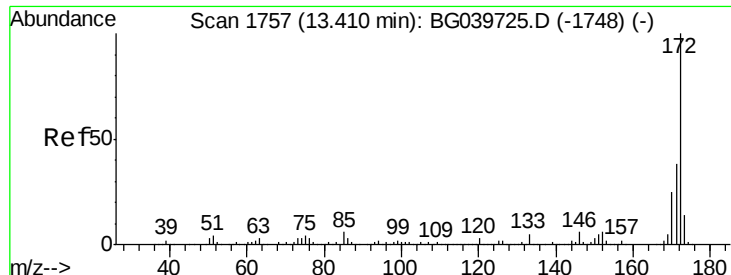


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

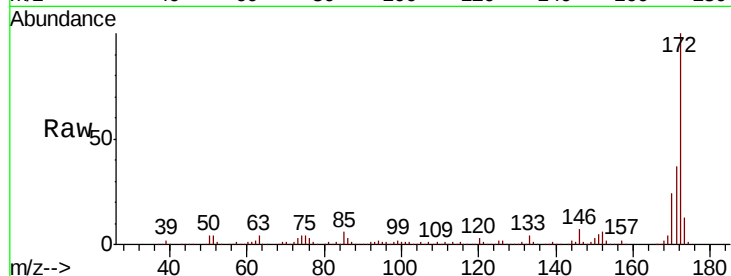




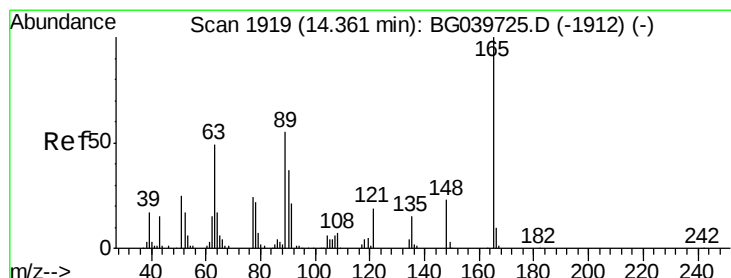
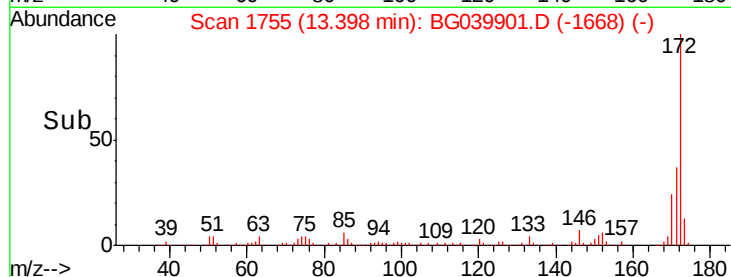
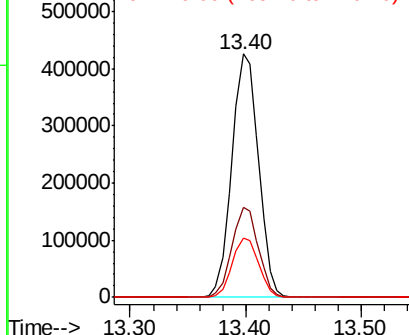
#45
 2-Fluorobiphenyl
 Concen: 92.255 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BG039901.D
 Acq: 13 Mar 2019 9:24

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:172 Resp: 681133
 Ion Ratio Lower Upper
 172 100
 171 36.7 30.8 46.2
 170 24.3 20.2 30.4

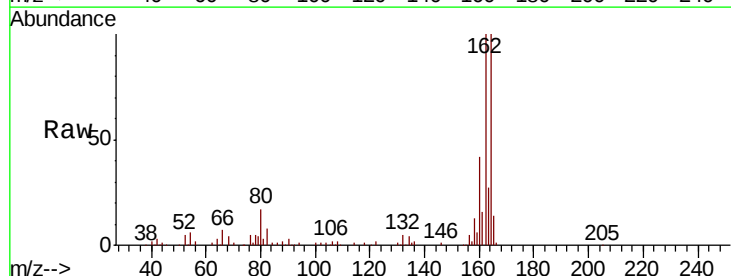


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

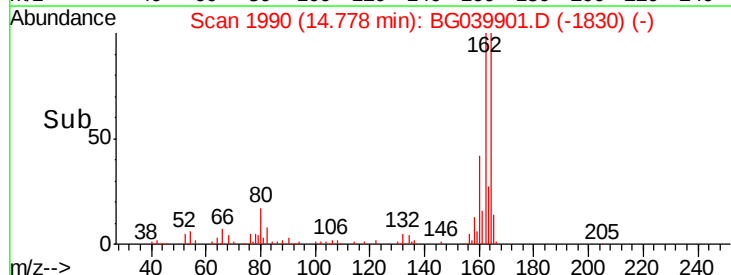
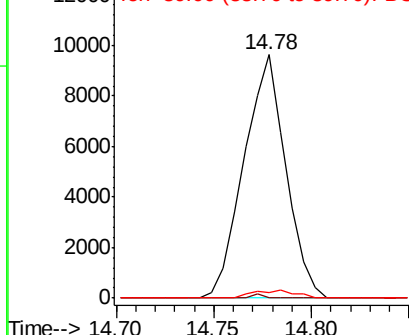


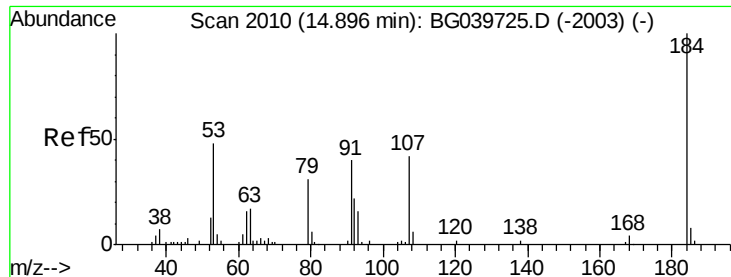
#51
 2,6-Dinitrotoluene
 Concen: 7.642 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. 0.41 min
 Lab File: BG039901.D
 Acq: 13 Mar 2019 9:24

Tgt Ion:165 Resp: 14241
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.0 70.6#
 89 2.1 45.8 68.8#



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

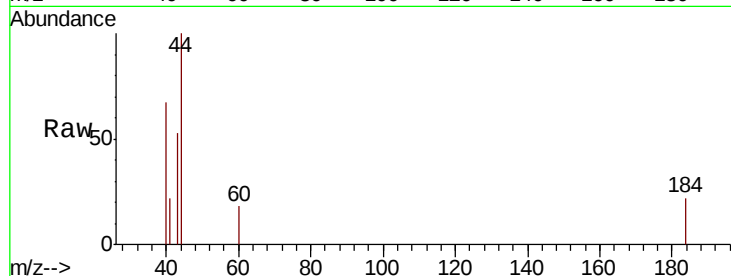




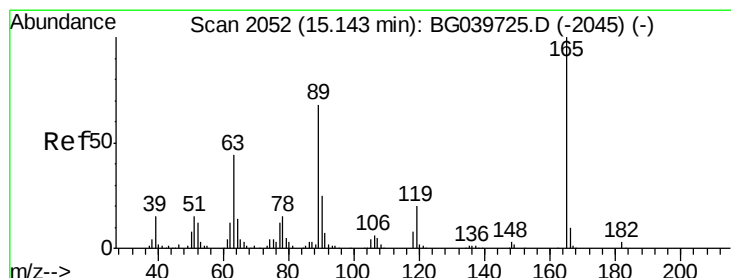
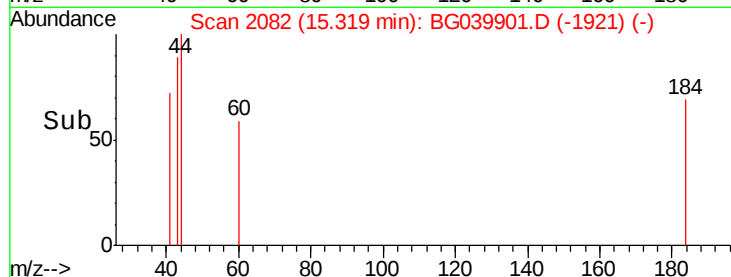
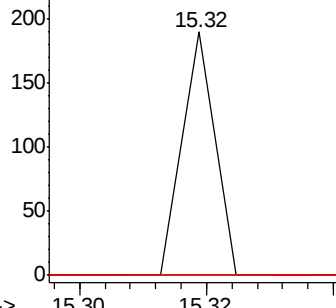
#54
2,4-Dinitrophenol
Concen: 5.309 ng
RT: 15.32 min Scan# 2082
Delta R.T. 0.42 min
Lab File: BG039901.D
Acq: 13 Mar 2019 9:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 67
Ion Ratio Lower Upper
184 100
63 0.0 50.9 76.3#
154 0.0 53.0 79.6#

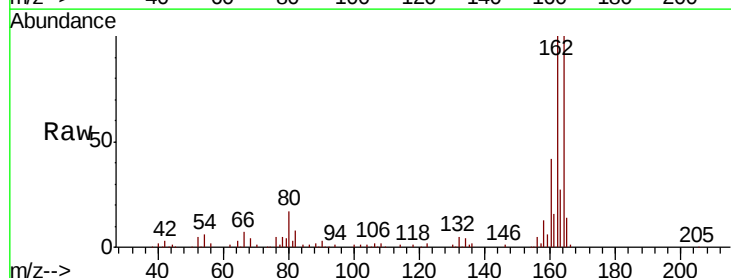


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

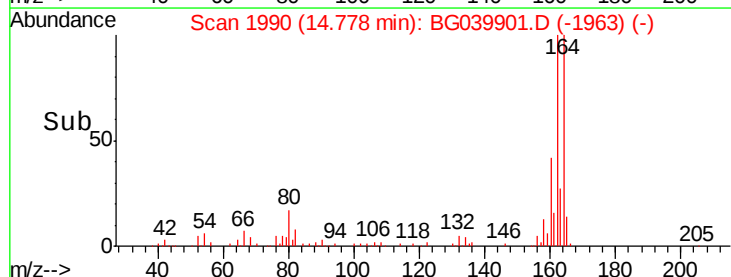
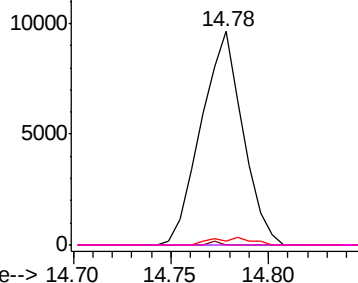


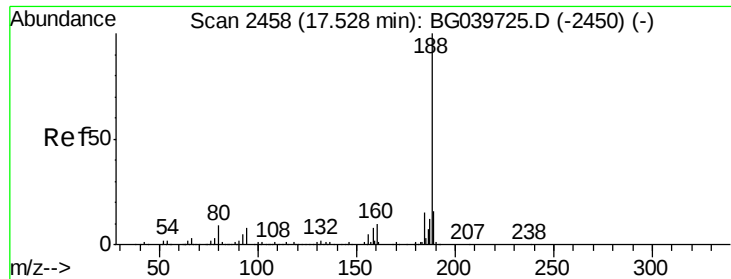
#57
2,4-Dinitrotoluene
Concen: 5.439 ng
RT: 14.78 min Scan# 1990
Delta R.T. -0.37 min
Lab File: BG039901.D
Acq: 13 Mar 2019 9:24

Tgt Ion:165 Resp: 14241
Ion Ratio Lower Upper
165 100
63 0.0 41.0 61.6#
89 2.1 64.6 96.8#
182 0.0 2.0 3.0#



Abundance Ion 165.00 (164.70 to 165.70): E
15000 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: 17.52 min Scan# 2457

Delta R.T. -0.01 min

Lab File: BG039901.D

Acq: 13 Mar 2019 9:24

Instrument :

BNA_G

ClientSampleId :

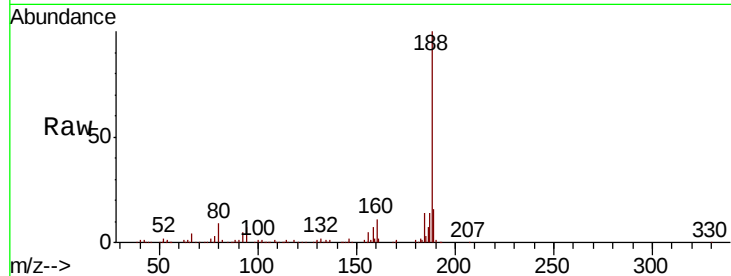
Tot Ion:188 Resp: 268573

Ion Ratio Lower Upper

188 100

94 7.0 6.9 10.3

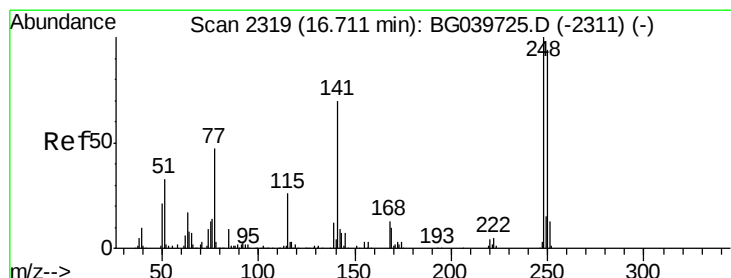
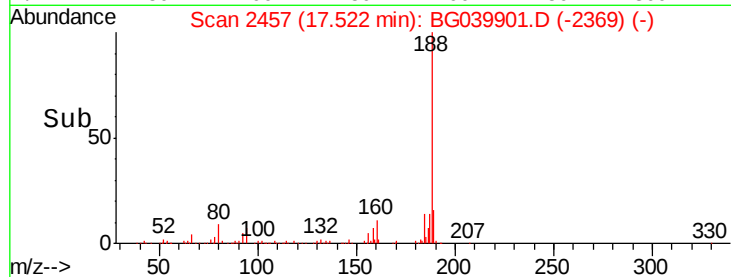
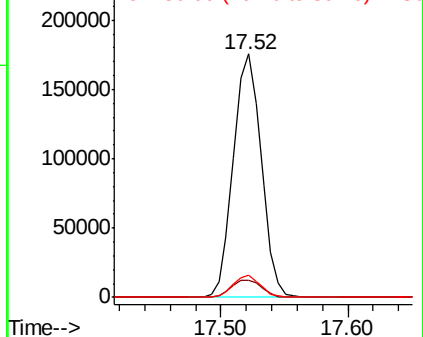
80 8.9 8.1 12.1



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: 4.061 ng

RT: 16.26 min Scan# 2243

Delta R.T. -0.45 min

Lab File: BG039901.D

Acq: 13 Mar 2019 9:24

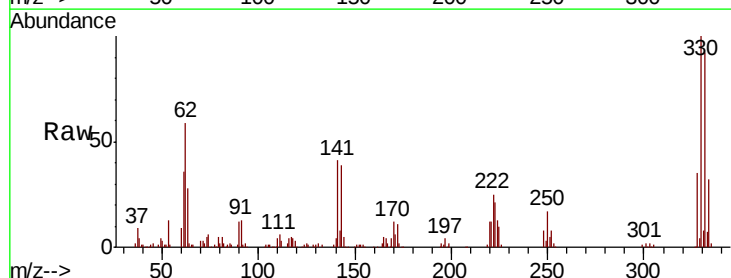
Tgt Ion:248 Resp: 12208

Ion Ratio Lower Upper

248 100

250 221.6 77.6 116.4#

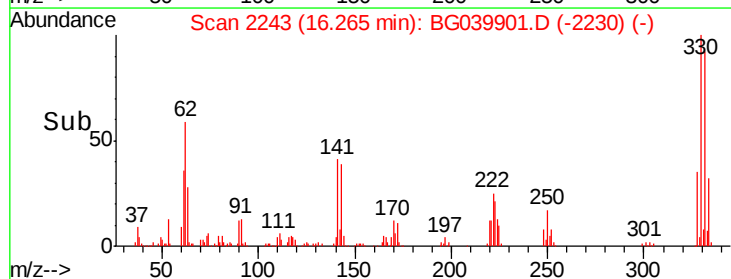
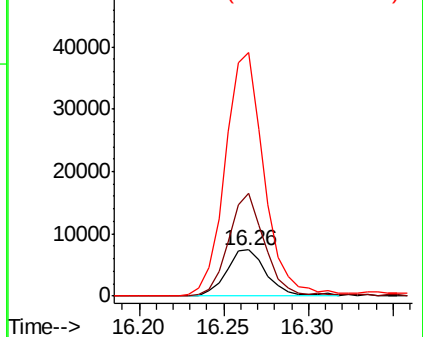
141 525.0 63.9 95.9#

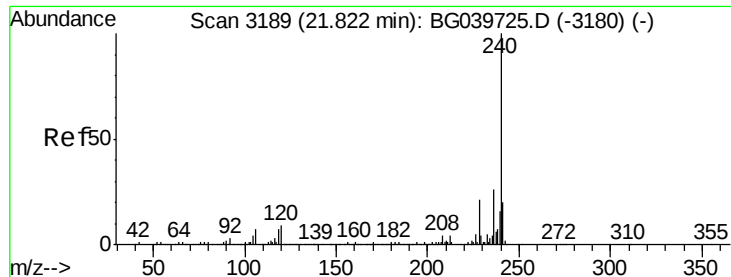


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

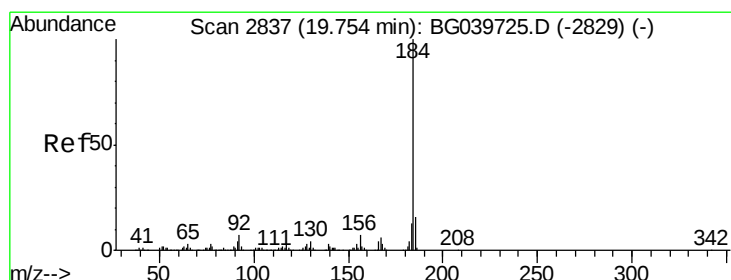
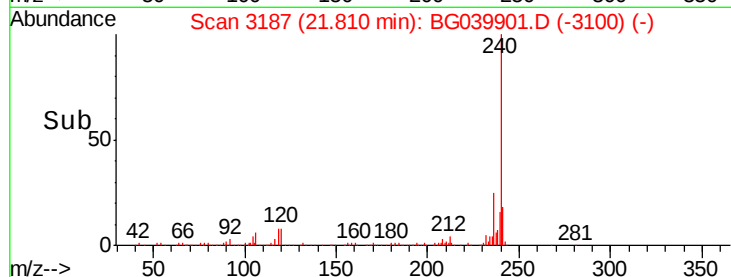
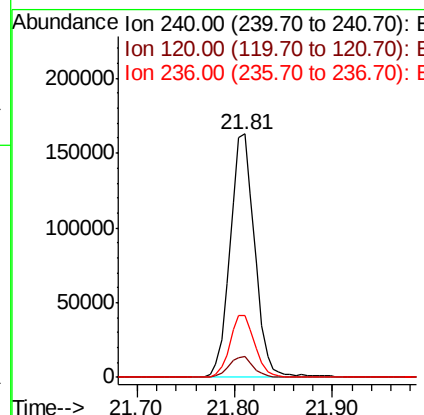
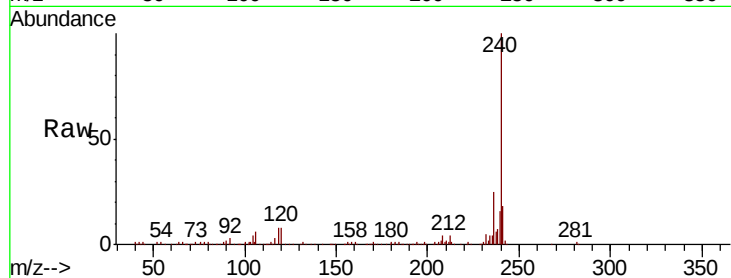




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.81 min Scan# 3187
Delta R.T. -0.02 min
Lab File: BG039901.D
Acq: 13 Mar 2019 9:24

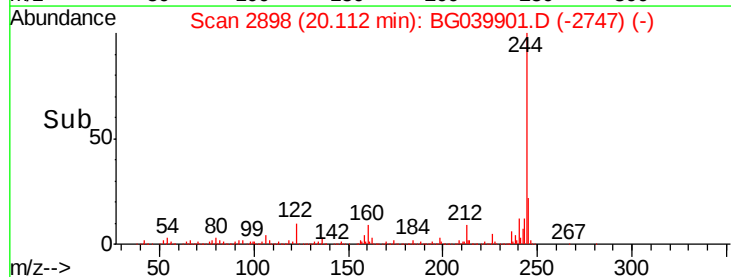
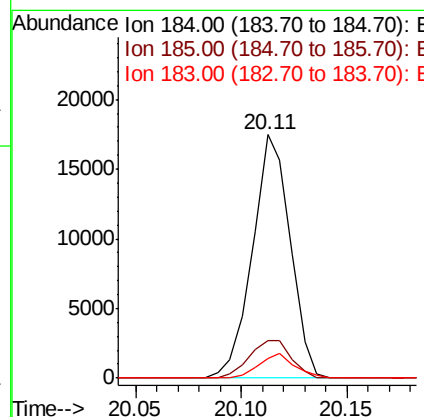
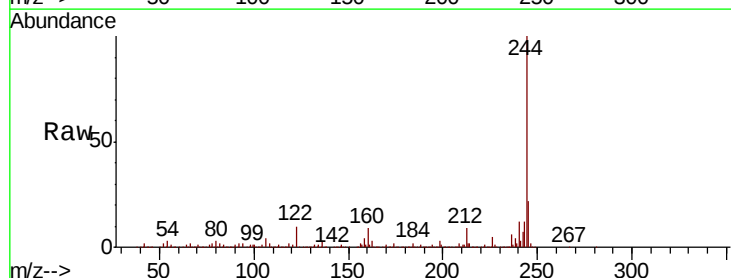
Instrument :
BNA_G
ClientSampleId :

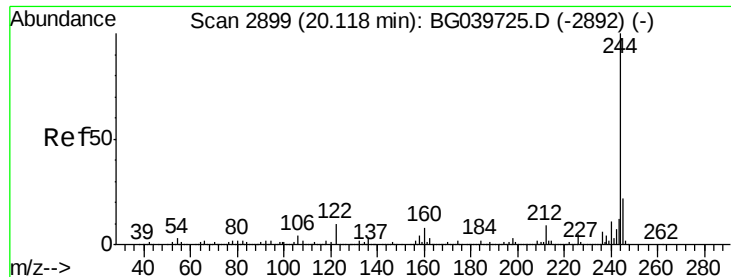
Tot Ion:240 Resp: 284659
Ion Ratio Lower Upper
240 100
120 8.4 7.0 10.6
236 25.2 21.0 31.4



#77
Benzidine
Concen: 2.402 ng
RT: 20.11 min Scan# 2898
Delta R.T. 0.36 min
Lab File: BG039901.D
Acq: 13 Mar 2019 9:24

Tgt Ion:184 Resp: 21694
Ion Ratio Lower Upper
184 100
185 15.2 12.2 18.2
183 7.8 10.6 15.8#





#79

Terphenyl-d14

Concen: 95.962 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BG039901.D

Acq: 13 Mar 2019 9:24

Instrument :

BNA_G

ClientSampled :

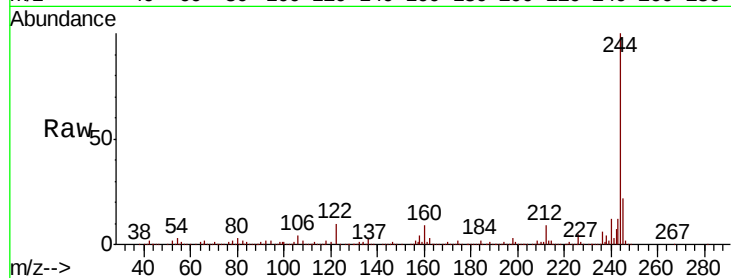
Tot Ion:244 Resp: 1240635

Ion Ratio Lower Upper

244 100

212 9.1 7.3 10.9

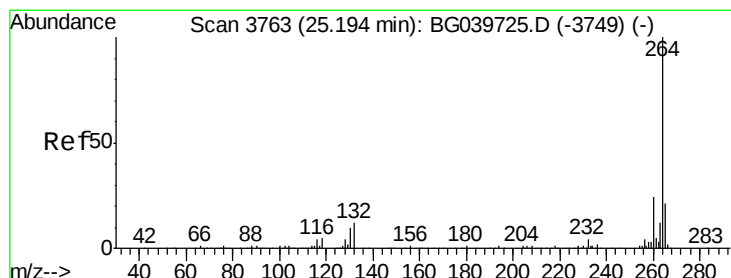
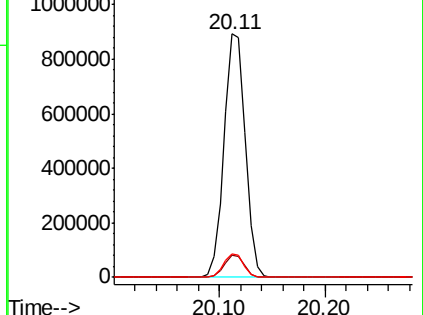
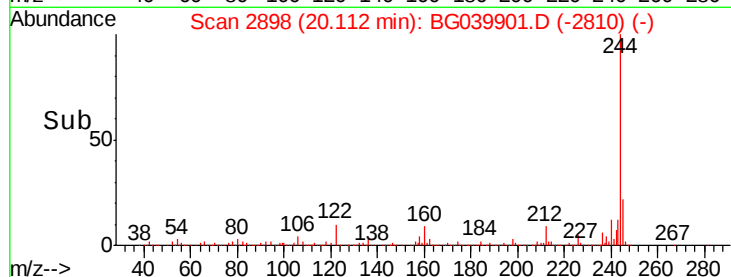
122 9.9 8.4 12.6



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: 25.18 min Scan# 3760

Delta R.T. -0.02 min

Lab File: BG039901.D

Acq: 13 Mar 2019 9:24

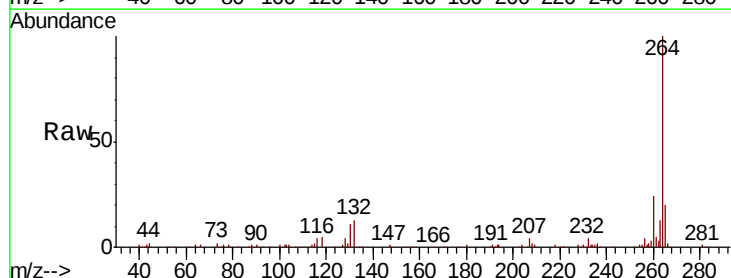
Tgt Ion:264 Resp: 261139

Ion Ratio Lower Upper

264 100

260 23.6 18.2 27.4

265 20.2 18.5 27.7



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

