

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG030119\
 Data File : BG039703.D
 Acq On : 2 Mar 2019 1:33
 Operator : JU/SJ
 Sample : K1675-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 Z-3-11-B

Quant Time: Mar 02 03:15:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 06:15:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	47556	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	196441	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	135486	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	345118	20.00	ng	0.00
76) Chrysene-d12	21.82	240	358534	20.00	ng	-0.01
87) Perylene-d12	25.20	264	334082	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	365450	131.52	ng	0.00
7) Phenol-d6	7.31	99	473864	115.86	ng	0.00
23) Nitrobenzene-d5	9.34	82	349284	111.08	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	194791	133.51	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	822561	87.09	ng	0.00
79) Terphenyl-d14	20.13	244	1385382	81.79	ng	0.00

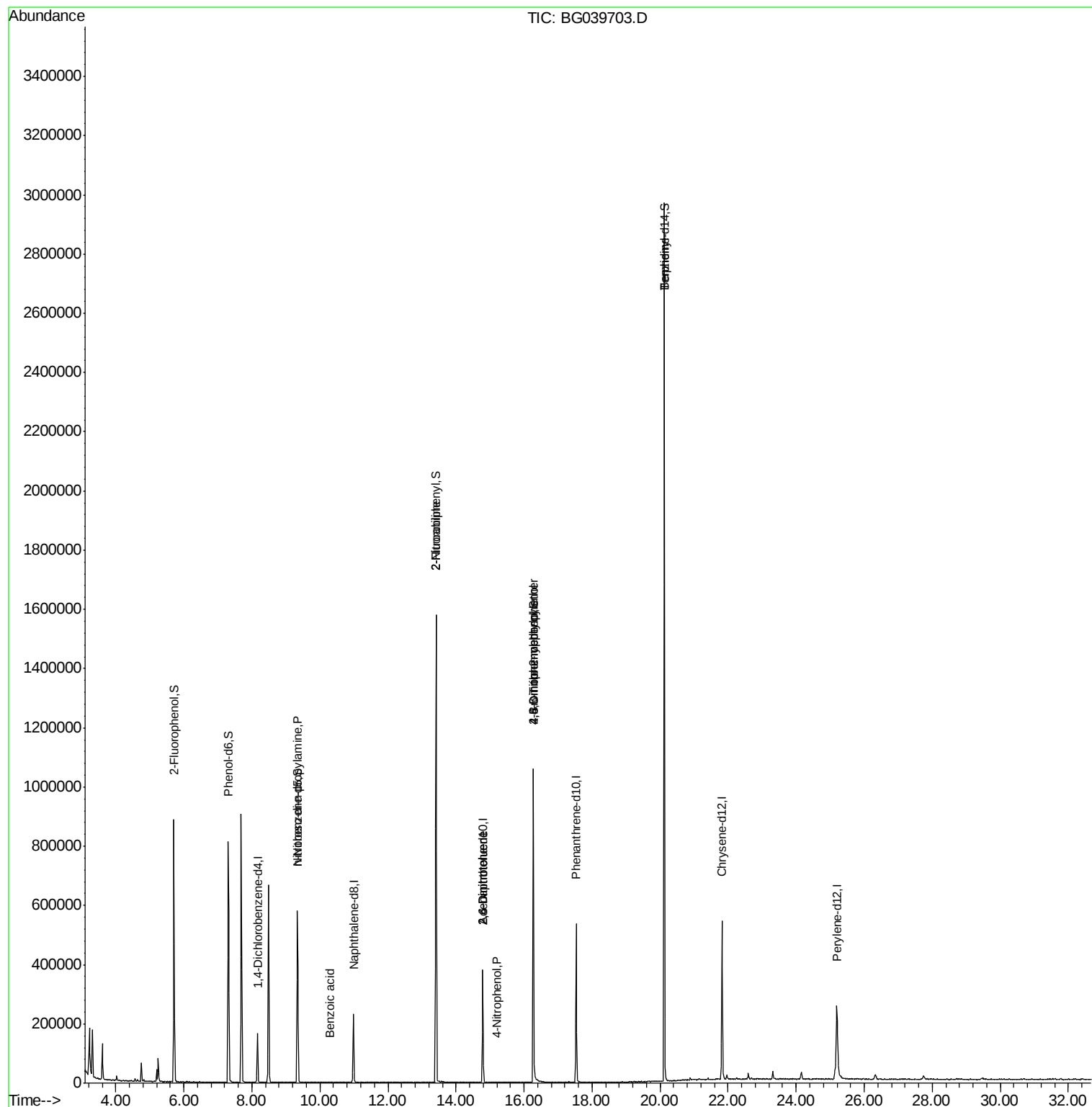
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	808	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	45513	15.678	ng	# 69
32) Benzoic acid	10.31	122	55	9.045	ng	# 1
48) 2-Nitroaniline	13.41	65	1455	8.790	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	16885	13.687	ng	# 23
56) 4-Nitrophenol	15.20	139	79	5.831	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	16885	13.220	ng	# 18
65) 4,6-Dinitro-2-methylphenol	16.27	198	722	4.846	ng	# 1
67) 4-Bromophenyl-phenylether	16.27	248	15315	4.000	ng	# 1
77) Benzidine	20.13	184	24249	2.063	ng	# 93

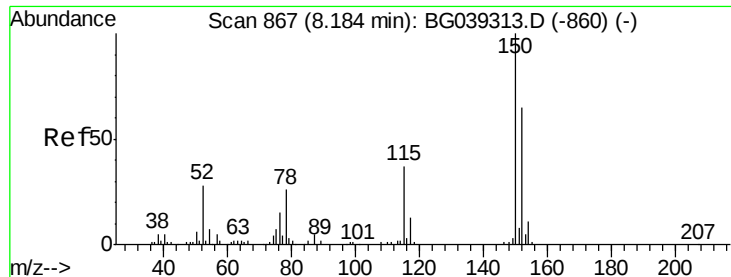
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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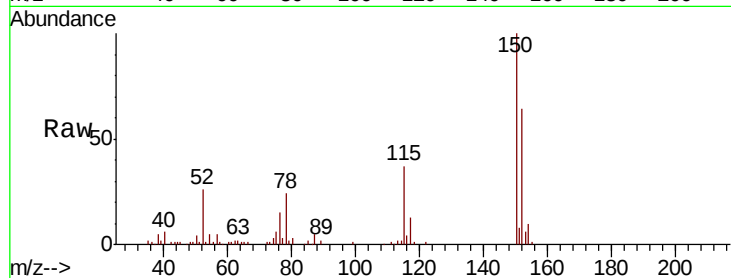


#1

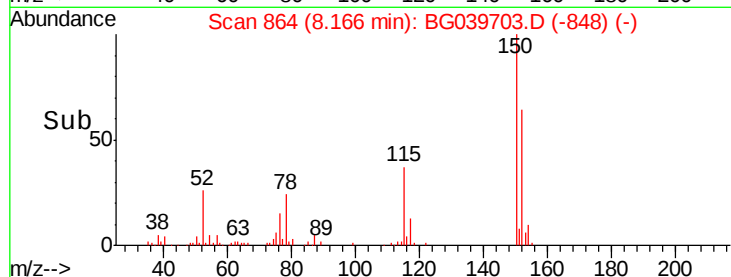
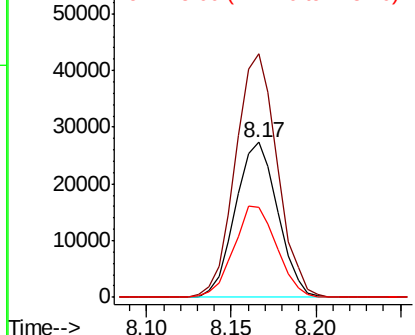
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: BG039703.D
Acq: 2 Mar 2019 1:33

Instrument :
BNA_G
ClientSampled :
Z-3-11-B

Tgt Ion:152 Resp: 47556
Ion Ratio Lower Upper
152 100
150 157.4 123.7 185.5
115 57.9 45.9 68.9



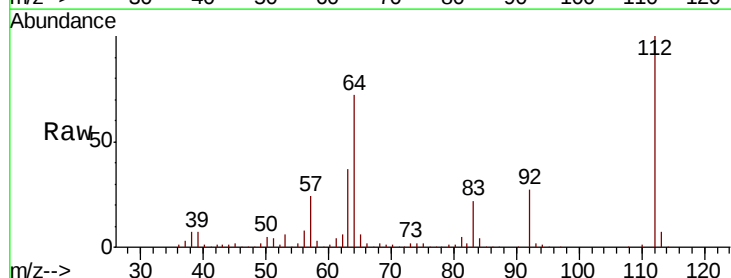
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



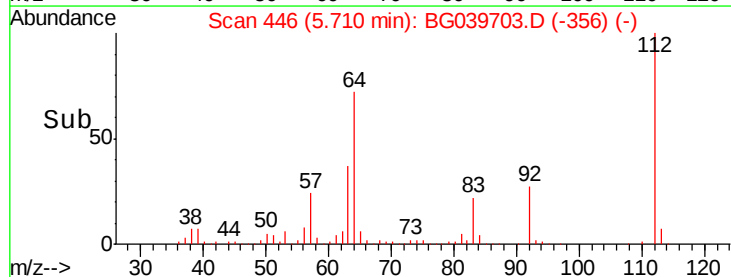
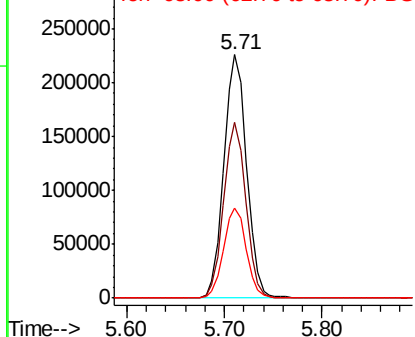
#5

2-Fluorophenol
Concen: 131.523 ng
RT: 5.71 min Scan# 446
Delta R.T. 0.00 min
Lab File: BG039703.D
Acq: 2 Mar 2019 1:33

Tgt Ion:112 Resp: 365450
Ion Ratio Lower Upper
112 100
64 72.0 57.8 86.8
63 37.2 29.8 44.6



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: 115.859 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.00 min

Lab File: BG039703.D

Acq: 2 Mar 2019 1:33

Instrument :

BNA_G

ClientSampleId :

Z-3-11-B

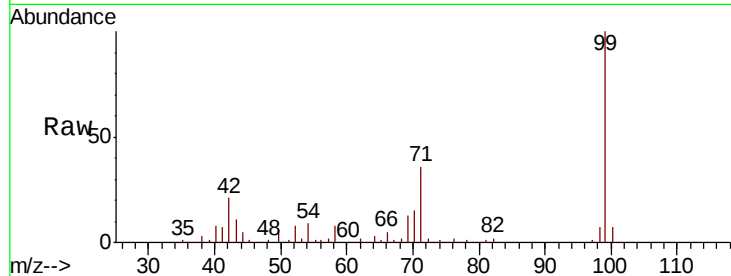
Tgt Ion: 99 Resp: 473864

Ion Ratio Lower Upper

99 100

42 20.6 18.2 27.2

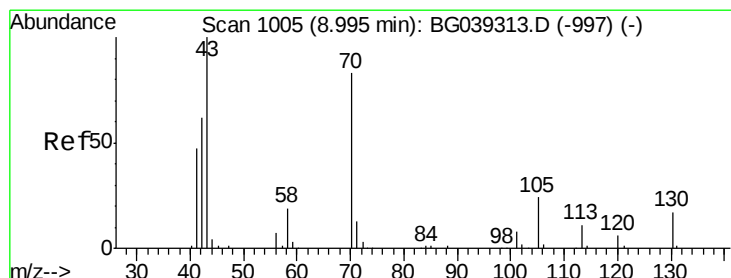
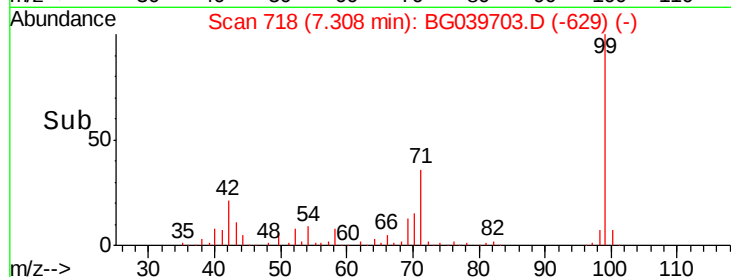
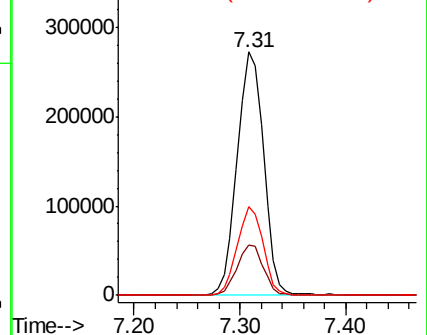
71 36.3 28.0 42.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.678 ng

RT: 9.34 min Scan# 1064

Delta R.T. 0.37 min

Lab File: BG039703.D

Acq: 2 Mar 2019 1:33

Tgt Ion: 70 Resp: 45513

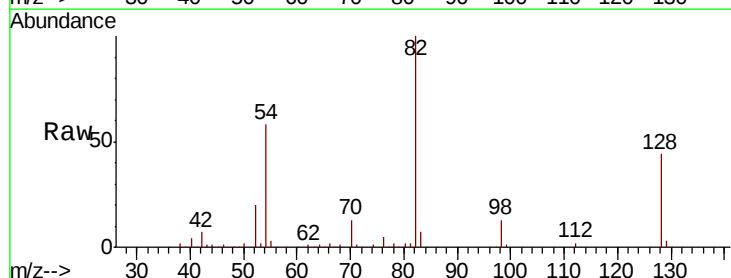
Ion Ratio Lower Upper

70 100

42 51.1 60.4 90.6#

101 0.0 7.5 11.3#

130 2.0 16.9 25.3#

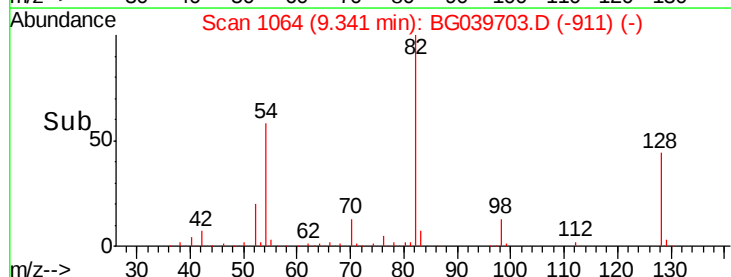
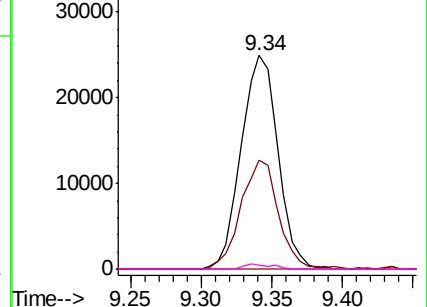


Abundance Ion 70.00 (69.70 to 70.70): BGC

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

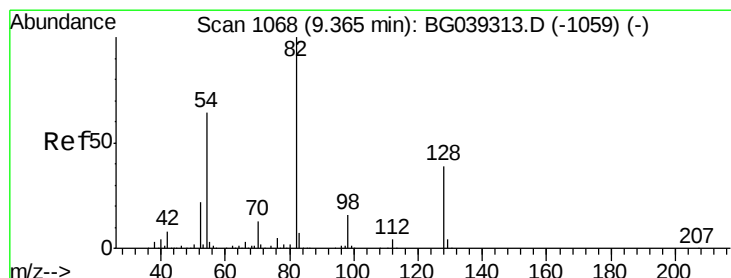
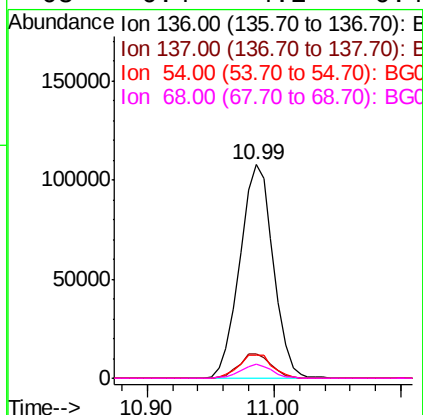
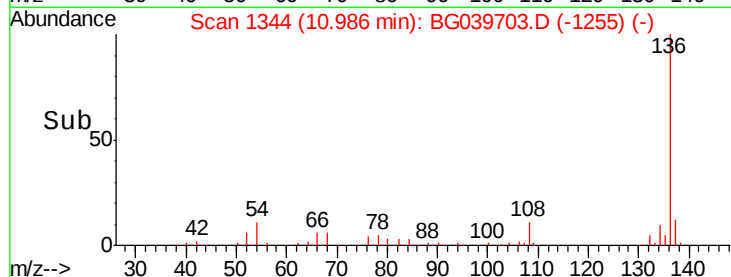
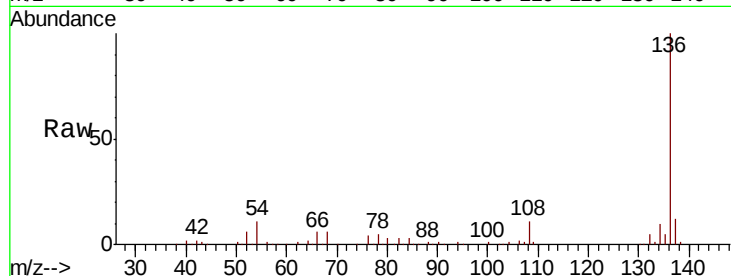




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1344
Delta R.T. -0.00 min
Lab File: BG039703.D
Acq: 2 Mar 2019 1:33

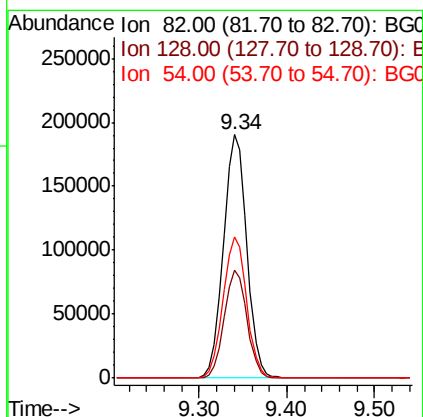
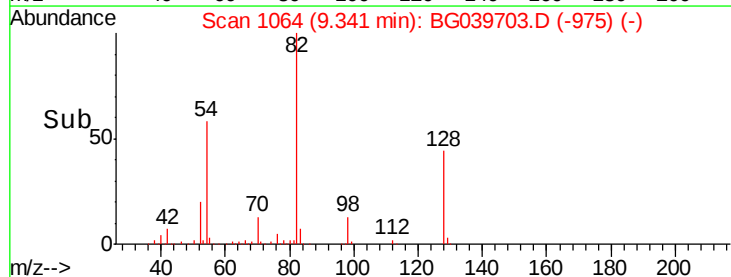
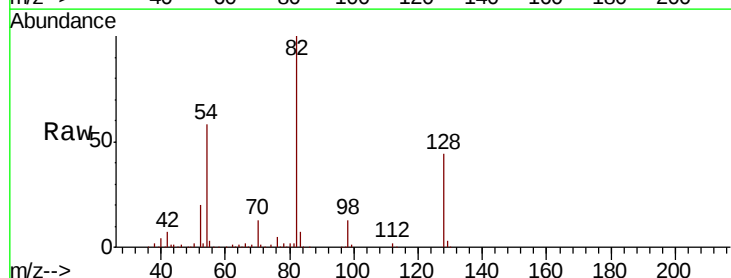
Instrument :
BNA_G
ClientSampleId :
Z-3-11-B

Tgt Ion:	136	Resp:	196441
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	11.0	9.4	14.2
68	6.4	4.2	6.4#



#23
Nitrobenzene-d5
Concen: 111.078 ng
RT: 9.34 min Scan# 1064
Delta R.T. -0.00 min
Lab File: BG039703.D
Acq: 2 Mar 2019 1:33

Tgt Ion:	82	Resp:	349284
Ion	Ratio	Lower	Upper
82	100		
128	44.2	31.3	46.9
54	58.0	50.9	76.3





#32

Benzoic acid

Concen: 9.045 ng

RT: 10.31 min Scan# 1229

Delta R.T. 0.05 min

Lab File: BG039703.D

Acq: 2 Mar 2019 1:33

Instrument :

BNA_G

ClientSampleId :

Z-3-11-B

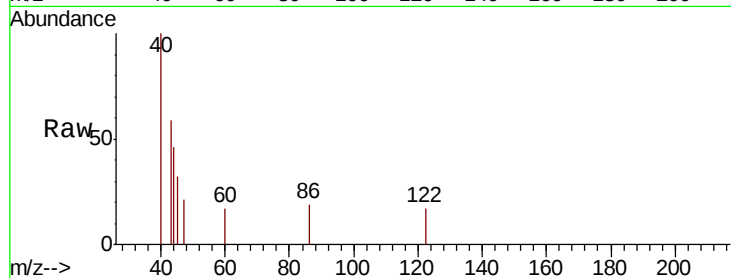
Tgt Ion:122 Resp: 55

Ion Ratio Lower Upper

122 100

105 0.0 101.8 141.8#

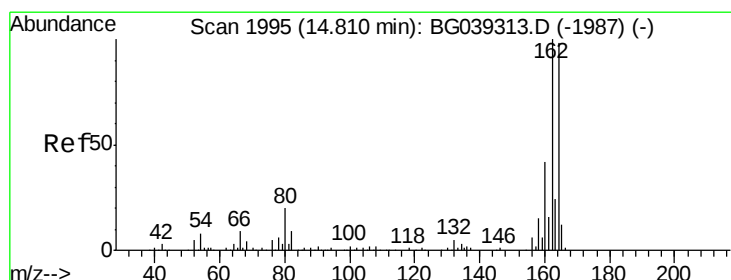
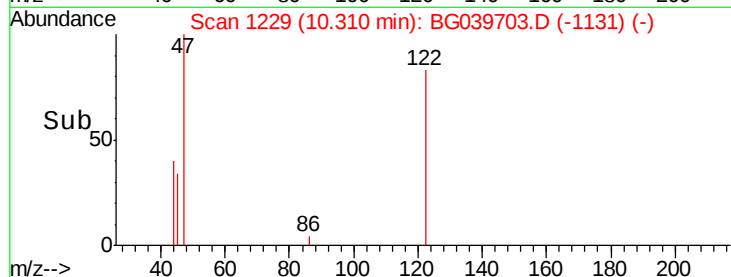
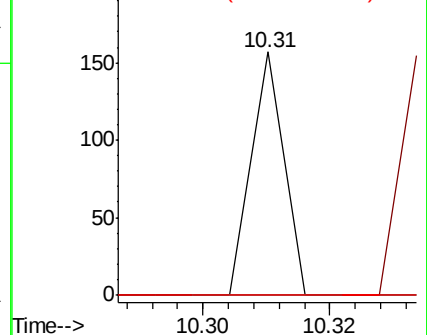
77 0.0 76.3 116.3#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.00 min

Lab File: BG039703.D

Acq: 2 Mar 2019 1:33

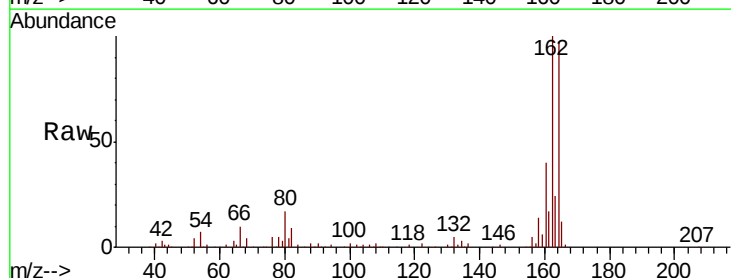
Tgt Ion:164 Resp: 135486

Ion Ratio Lower Upper

164 100

162 102.8 81.6 122.4

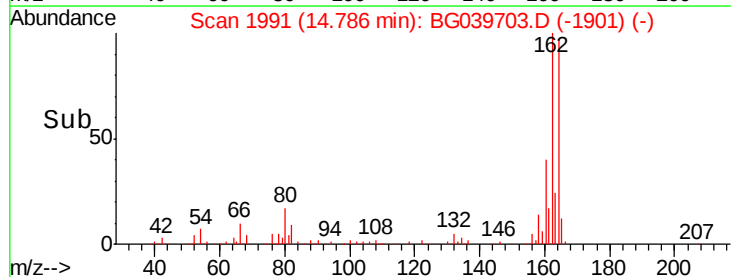
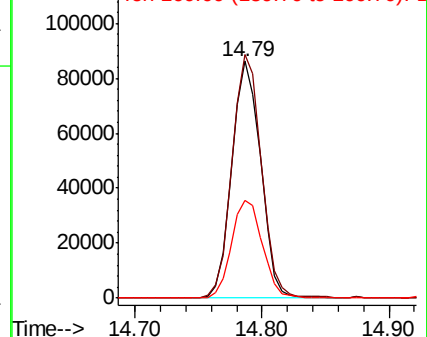
160 41.4 34.2 51.2

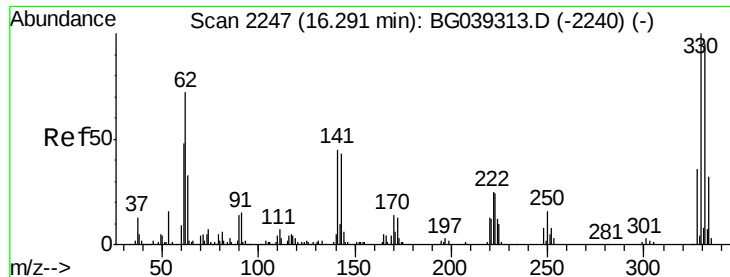


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

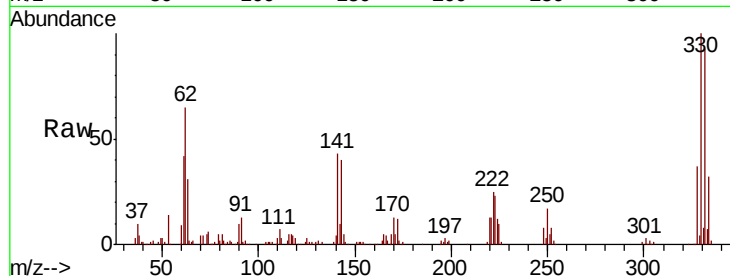




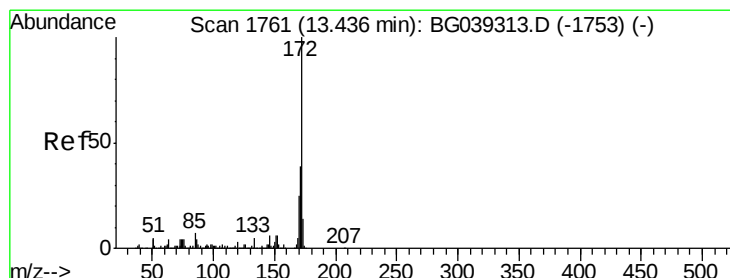
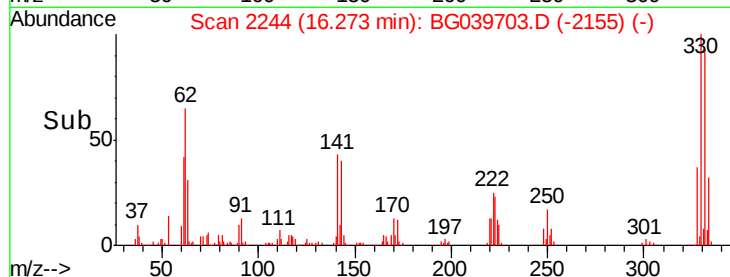
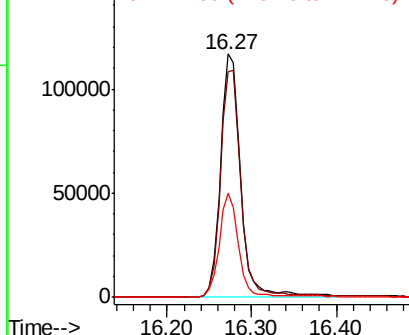
#42
 2,4,6-Tribromophenol
 Concen: 133.514 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: BG039703.D
 Acq: 2 Mar 2019 1:33

Instrument :
 BNA_G
 ClientSampleId :
 Z-3-11-B

Tgt Ion:330 Resp: 194791
 Ion Ratio Lower Upper
 330 100
 332 93.9 75.7 113.5
 141 40.6 35.6 53.4

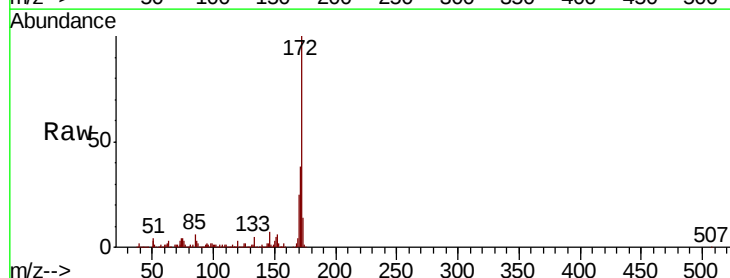


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

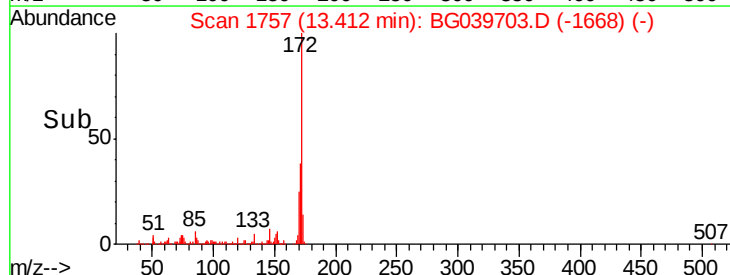
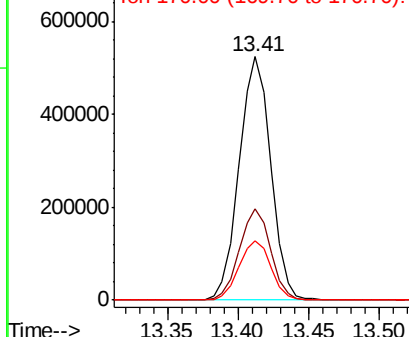


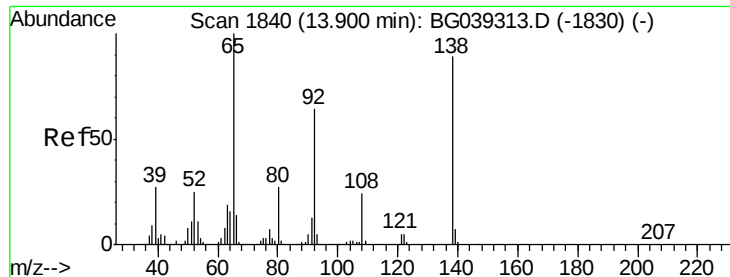
#45
 2-Fluorobiphenyl
 Concen: 87.094 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: BG039703.D
 Acq: 2 Mar 2019 1:33

Tgt Ion:172 Resp: 822561
 Ion Ratio Lower Upper
 172 100
 171 37.6 30.8 46.2
 170 24.6 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





#48

2-Nitroaniline

Concen: 8.790 ng

RT: 13.41 min Scan# 1756

Delta R.T. -0.47 min

Lab File: BG039703.D

Acq: 2 Mar 2019 1:33

Instrument :

BNA_G

ClientSampleId :

Z-3-11-B

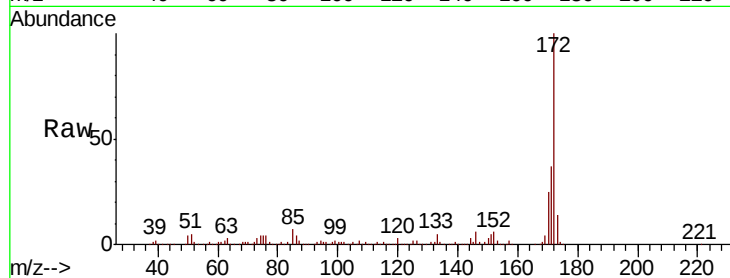
Tgt Ion: 65 Resp: 1455

Ion Ratio Lower Upper

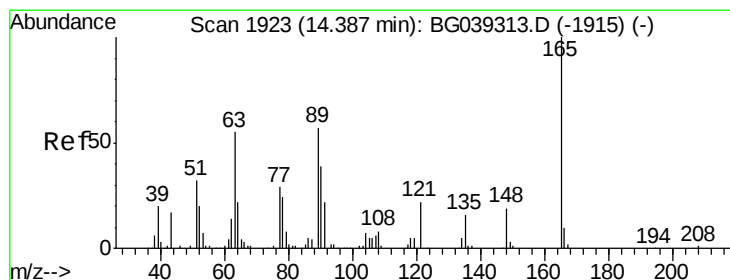
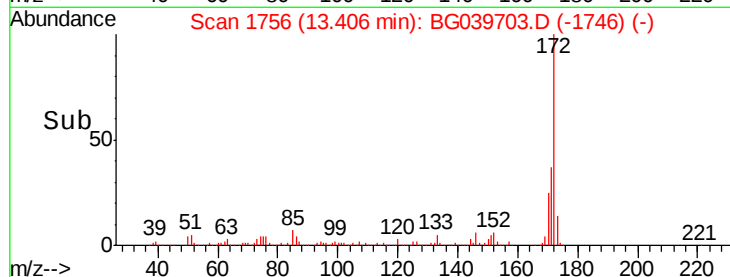
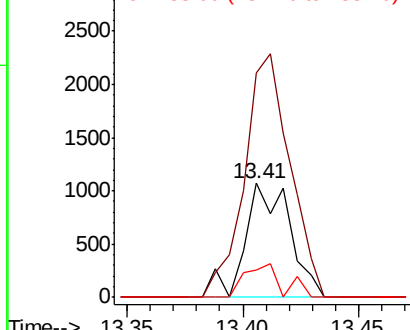
65 100

92 197.3 51.4 77.2#

138 24.2 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#51

2,6-Dinitrotoluene

Concen: 13.687 ng

RT: 14.79 min Scan# 1991

Delta R.T. 0.42 min

Lab File: BG039703.D

Acq: 2 Mar 2019 1:33

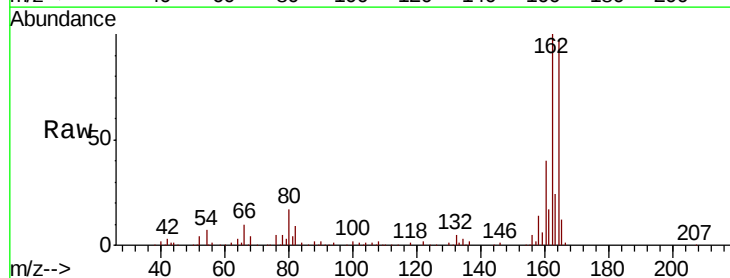
Tgt Ion: 165 Resp: 16885

Ion Ratio Lower Upper

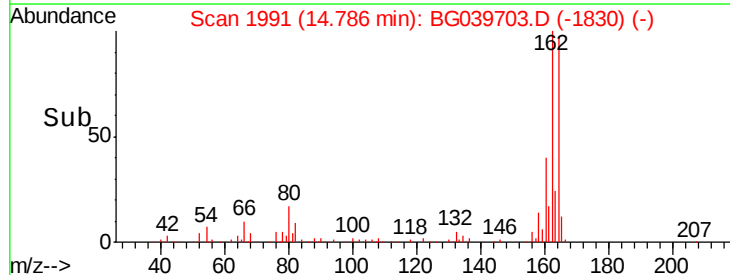
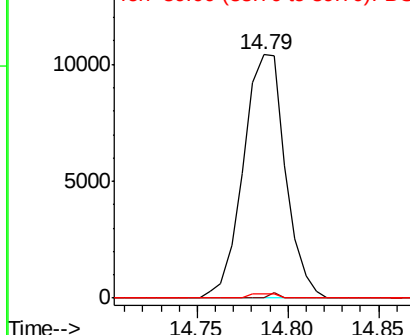
165 100

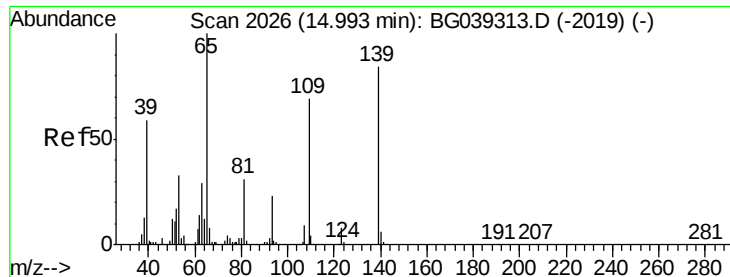
63 0.0 47.0 70.6#

89 1.5 45.8 68.8#



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

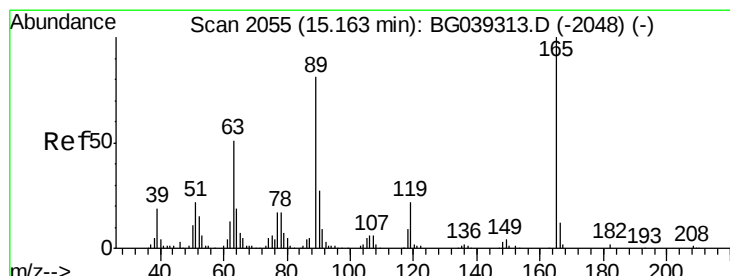
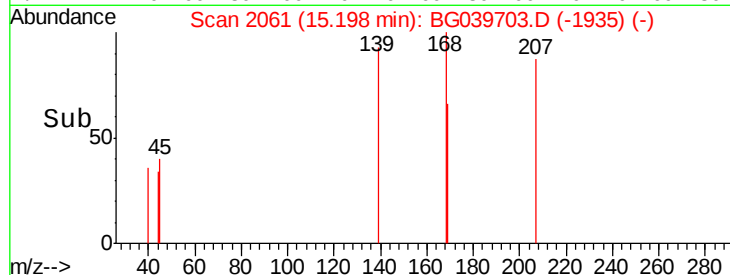
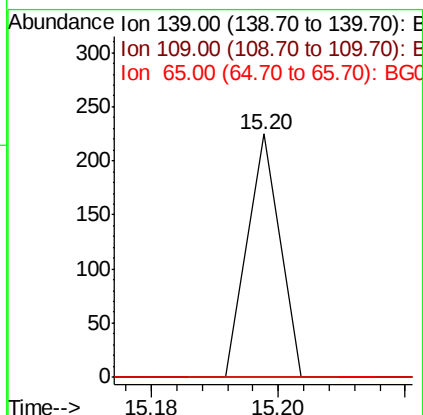
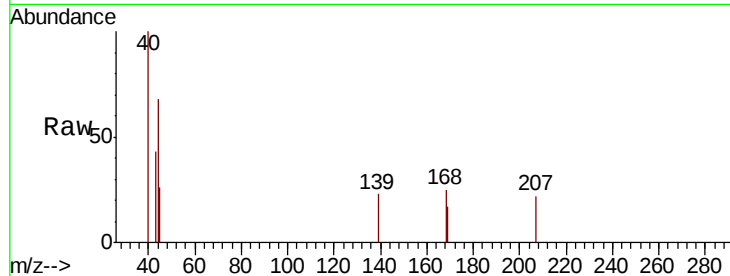




#56
4-Nitrophenol
Concen: 5.831 ng
RT: 15.20 min Scan# 2061
Delta R.T. 0.21 min
Lab File: BG039703.D
Acq: 2 Mar 2019 1:33

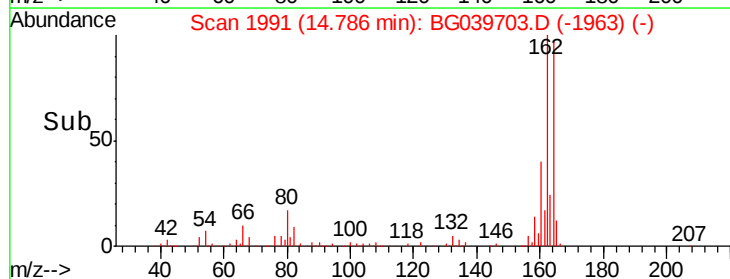
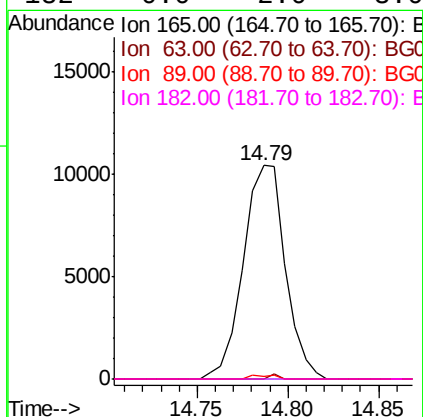
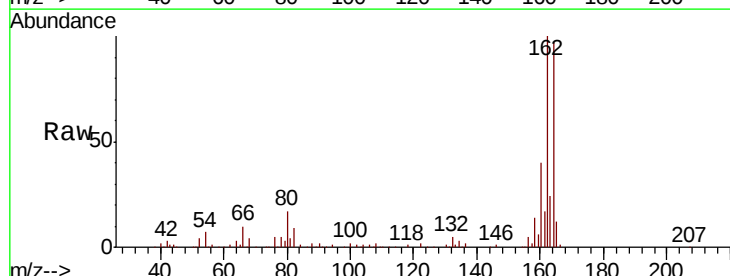
Instrument :
BNA_G
ClientSampleId :
Z-3-11-B

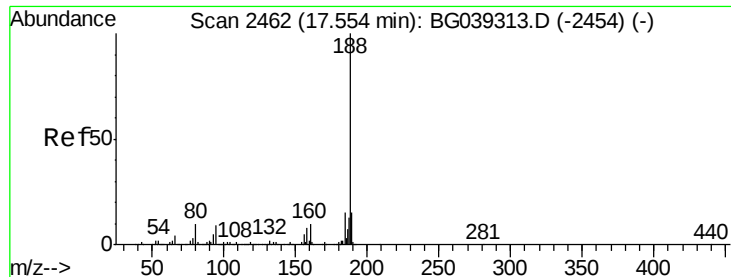
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	61.9	101.9#
65	0.0	99.1	139.1#



#57
2,4-Dinitrotoluene
Concen: 13.220 ng
RT: 14.79 min Scan# 1991
Delta R.T. -0.36 min
Lab File: BG039703.D
Acq: 2 Mar 2019 1:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	1.5	64.6	96.8#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2458

Delta R.T. -0.00 min

Lab File: BG039703.D

Acq: 2 Mar 2019 1:33

Instrument :

BNA_G

ClientSampleId :

Z-3-11-B

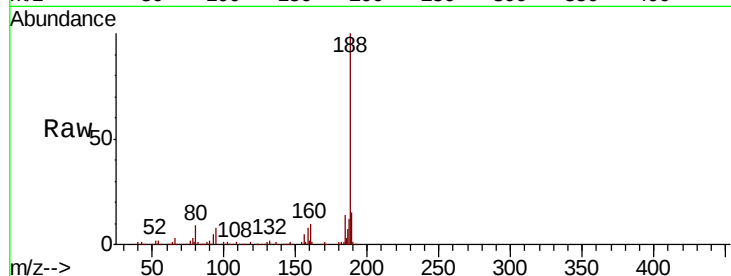
Tgt Ion:188 Resp: 345118

Ion Ratio Lower Upper

188 100

94 7.6 6.9 10.3

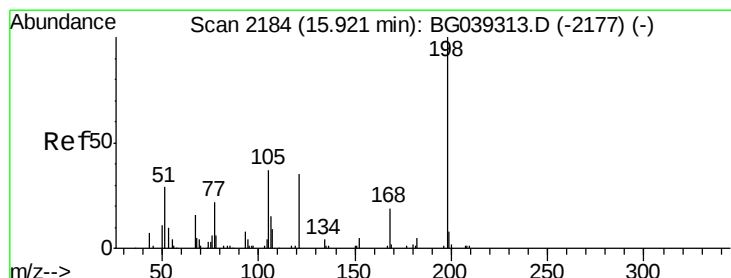
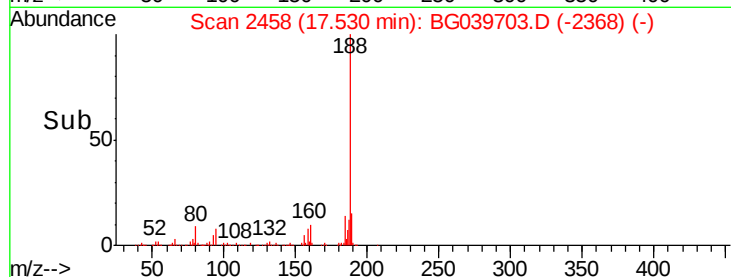
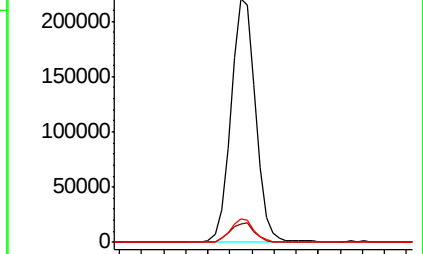
80 9.4 8.1 12.1



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.846 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.37 min

Lab File: BG039703.D

Acq: 2 Mar 2019 1:33

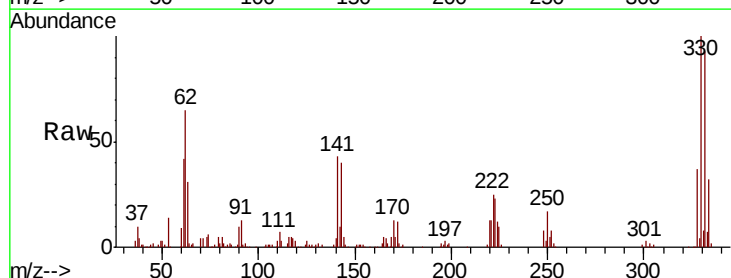
Tgt Ion:198 Resp: 722

Ion Ratio Lower Upper

198 100

51 98.1 27.4 67.4#

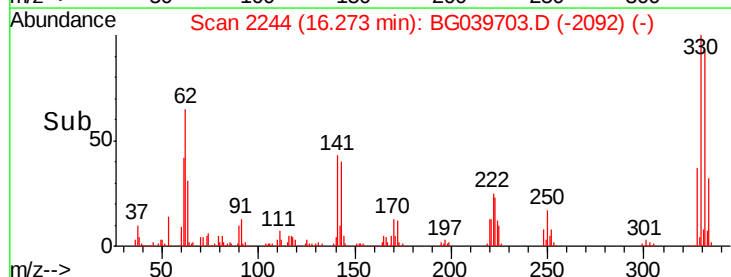
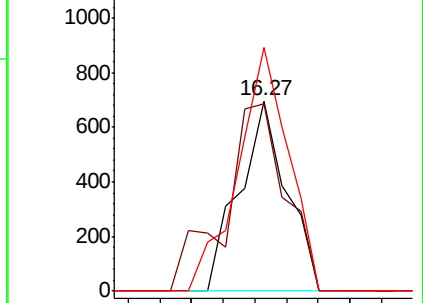
105 128.0 19.7 59.7#

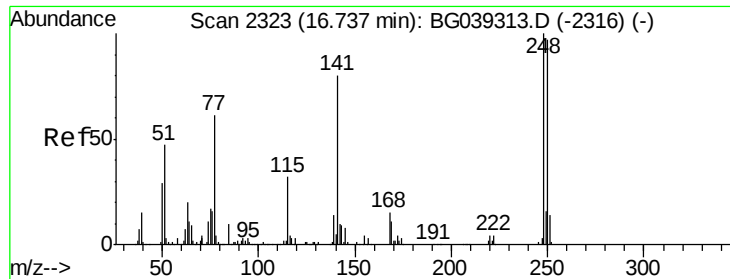


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

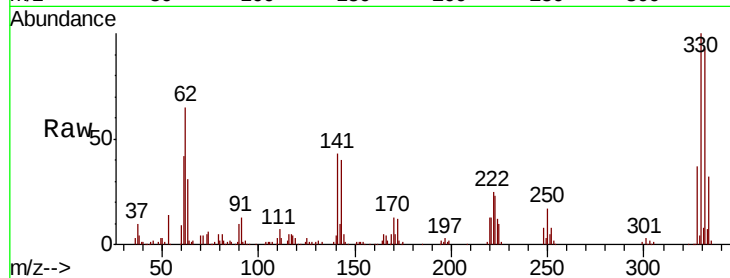




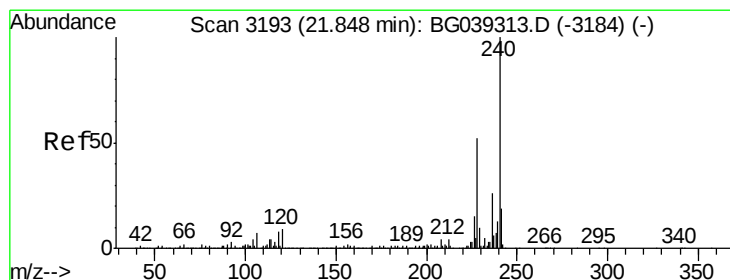
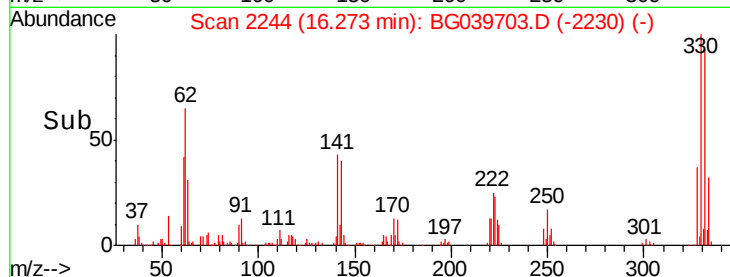
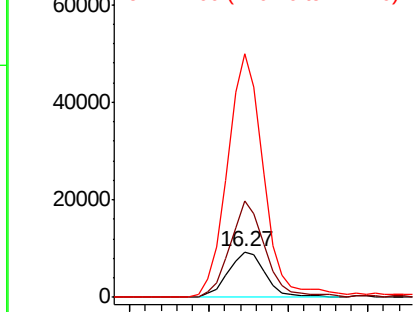
#67
4-Bromophenyl-phenylether
Concen: 4.000 ng
RT: 16.27 min Scan# 2244
Delta R.T. -0.44 min
Lab File: BG039703.D
Acq: 2 Mar 2019 1:33

Instrument :
BNA_G
ClientSampleId :
Z-3-11-B

Tgt Ion:248 Resp: 15315
Ion Ratio Lower Upper
248 100
250 209.9 77.6 116.4#
141 531.6 63.9 95.9#

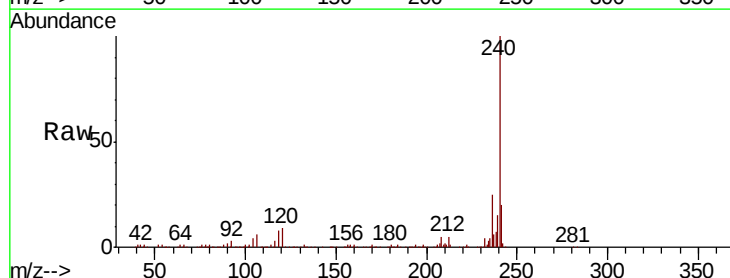


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

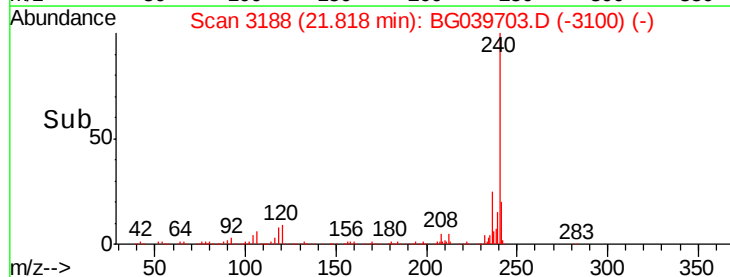
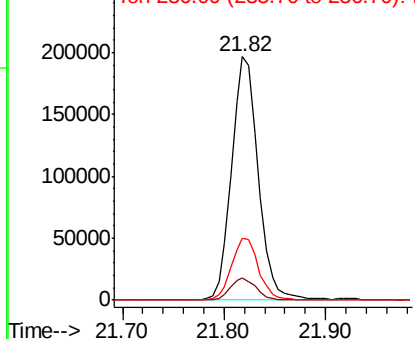


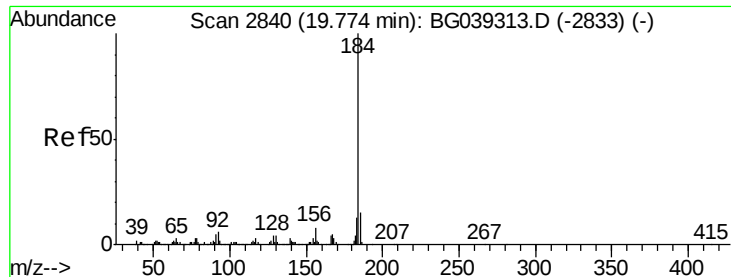
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3188
Delta R.T. -0.01 min
Lab File: BG039703.D
Acq: 2 Mar 2019 1:33

Tgt Ion:240 Resp: 358534
Ion Ratio Lower Upper
240 100
120 9.1 7.0 10.6
236 25.5 21.0 31.4



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: 2.063 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.37 min

Lab File: BG039703.D

Acq: 2 Mar 2019 1:33

Instrument :

BNA_G

ClientSampleId :

Z-3-11-B

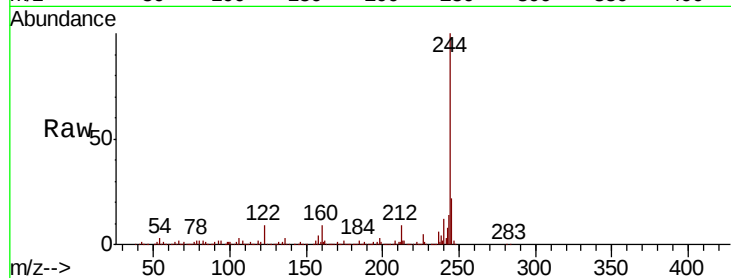
Tgt Ion:184 Resp: 24249

Ion Ratio Lower Upper

184 100

185 16.2 12.2 18.2

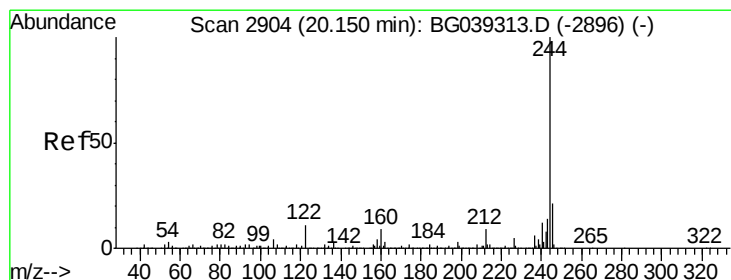
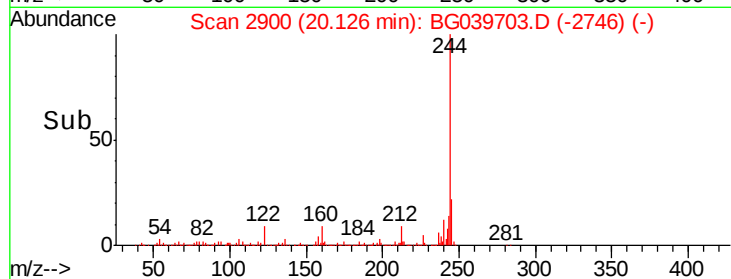
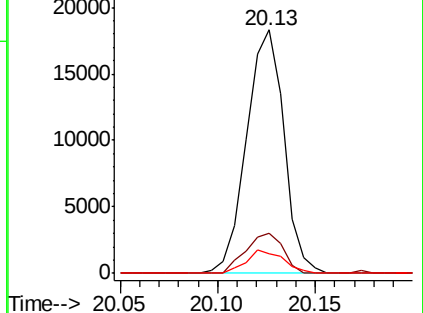
183 8.0 10.6 15.8#



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: 81.789 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.00 min

Lab File: BG039703.D

Acq: 2 Mar 2019 1:33

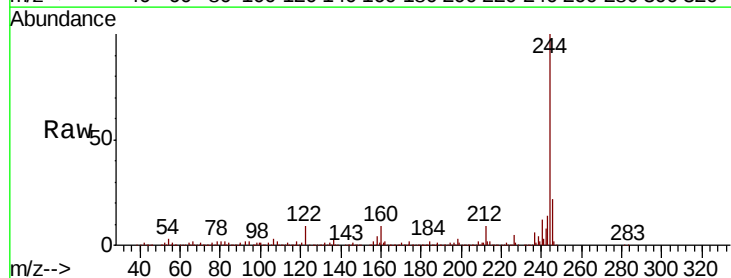
Tgt Ion:244 Resp: 1385382

Ion Ratio Lower Upper

244 100

212 8.7 7.3 10.9

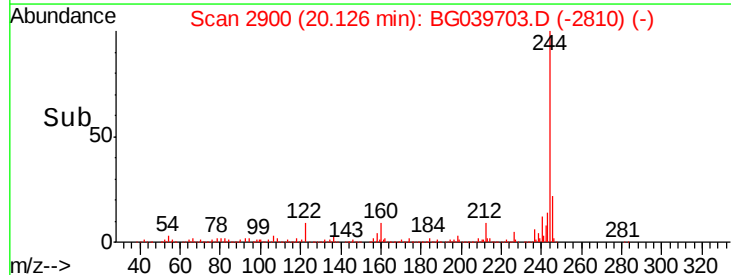
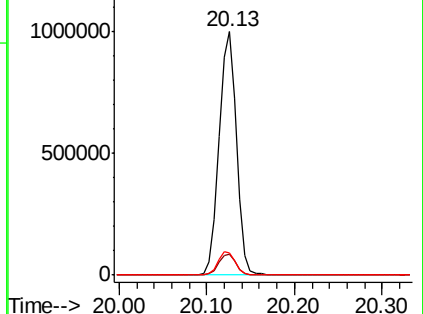
122 9.3 8.4 12.6

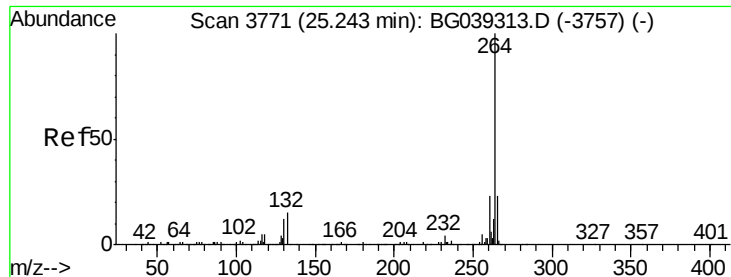


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.20 min Scan# 3763
Delta R.T. -0.00 min
Lab File: BG039703.D
Acq: 2 Mar 2019 1:33

Instrument :
BNA_G
ClientSampleId :
Z-3-11-B

Tgt Ion: 264 Resp: 334082
Ion Ratio Lower Upper
264 100
260 22.0 18.2 27.4
265 21.1 18.5 27.7

