

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020719\
 Data File : BG039406.D
 Acq On : 8 Feb 2019 7:27
 Operator : JU/SJ
 Sample : K1389-20
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 M-7-S

Quant Time: Feb 08 09:18:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	50522	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	216825	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	143210	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	345327	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	376119	20.00	ng	-0.02
87) Perylene-d12	25.22	264	355018	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	432825	146.63	ng	0.00
7) Phenol-d6	7.31	99	576635	132.71	ng	0.00
23) Nitrobenzene-d5	9.35	82	394502	113.66	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	199935	129.65	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	948671	95.03	ng	-0.01
79) Terphenyl-d14	20.14	244	1586409	89.28	ng	-0.01

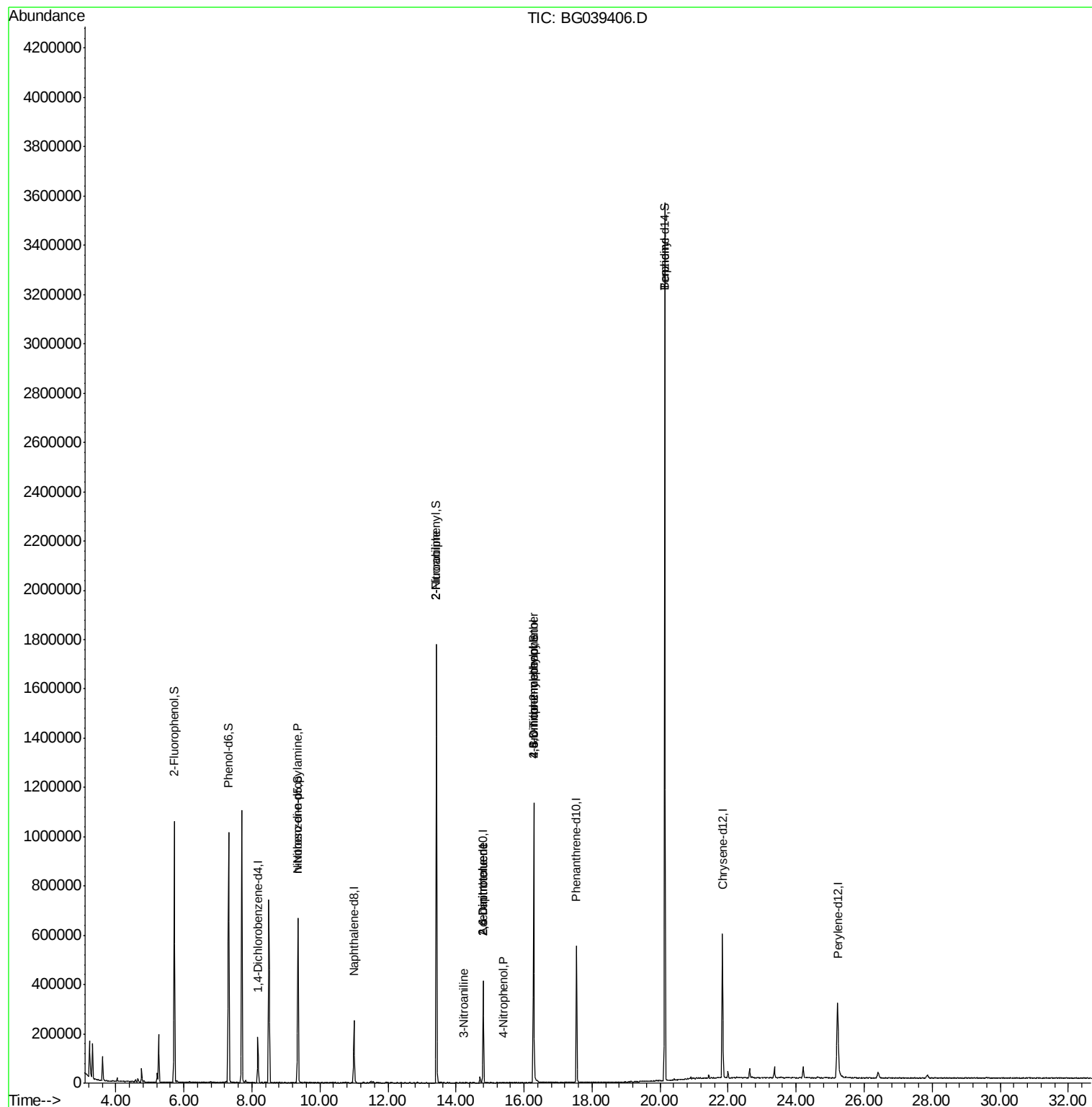
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1188	Below Cal	#	64
19) n-Nitroso-di-n-propylamine	9.35	70	52896	17.15	ng	73
48) 2-Nitroaniline	13.42	65	1731	8.85	ng	1
51) 2,6-Dinitrotoluene	14.80	165	18181	13.82	ng	22
53) 3-Nitroaniline	14.22	138	68	5.82	ng	1
56) 4-Nitrophenol	15.38	139	60	5.82	ng	1
57) 2,4-Dinitrotoluene	14.80	165	18181	13.32	ng	17
65) 4,6-Dinitro-2-methylphenol	16.28	198	677	4.80	ng	1
67) 4-Bromophenyl-phenylether	16.28	248	15422	4.03	ng	1
77) Benzidine	20.14	184	28193	2.29	ng	92

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020719\
Data File : BG039406.D
Acq On : 8 Feb 2019 7:27
Operator : JU/SJ
Sample : K1389-20
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
M-7-S

Quant Time: Feb 08 09:18:13 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 29 15:41:51 2019
Response via : Initial Calibration



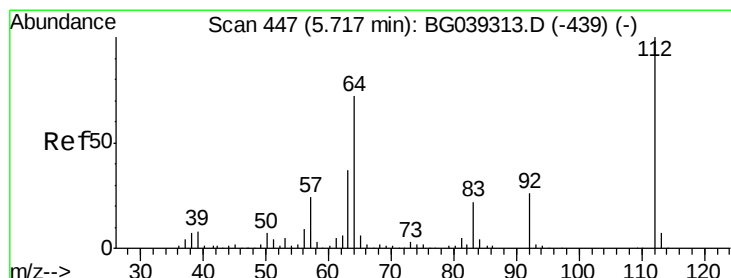
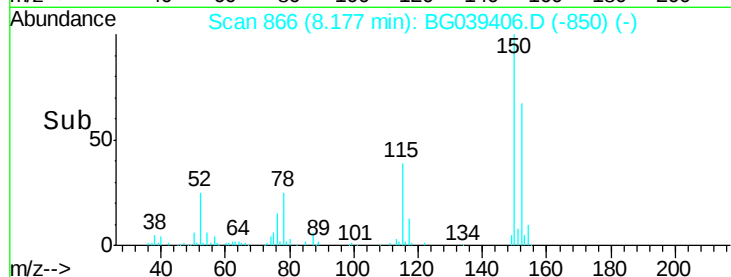
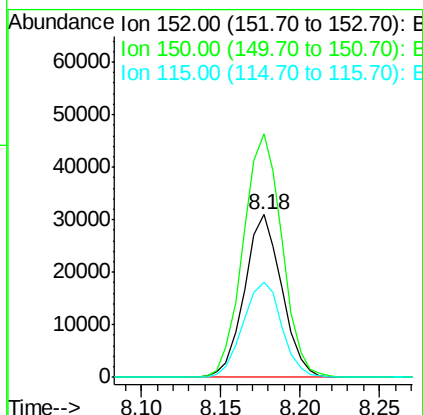
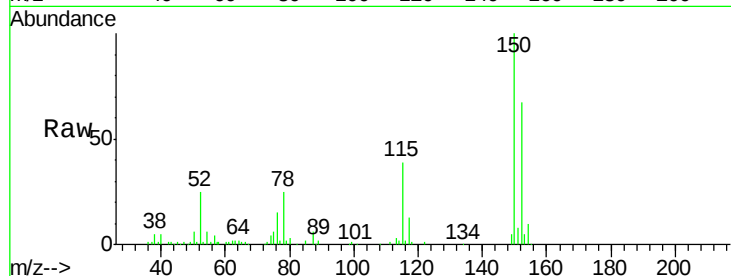


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039406.D
Acq: 8 Feb 2019 7:27

Instrument :
BNA_G
ClientSampleId :
M-7-S

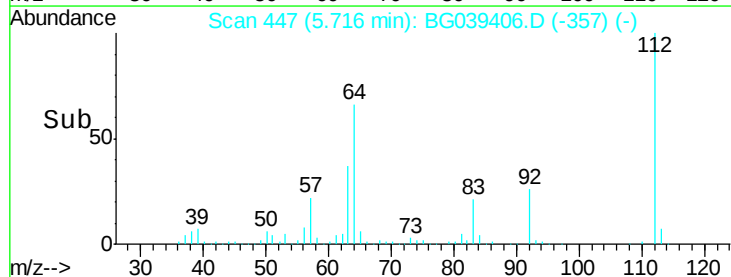
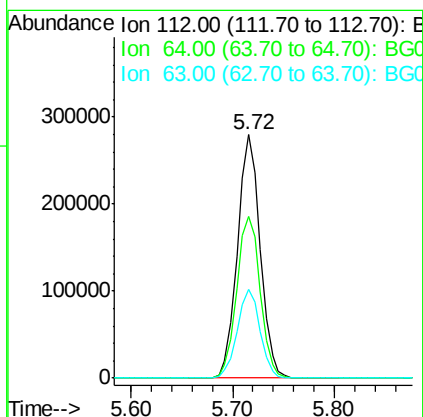
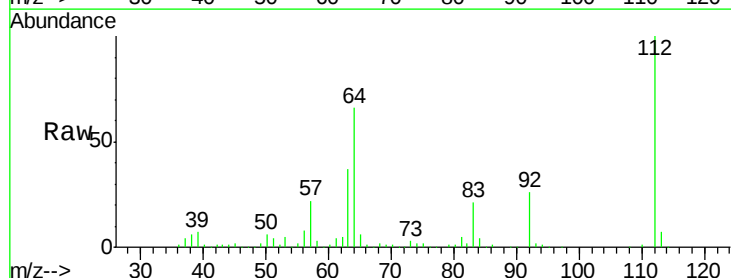
Tot Ion	Ratio	Lower	Upper
152	100		
150	149.8	123.7	185.5
115	58.2	45.9	68.9

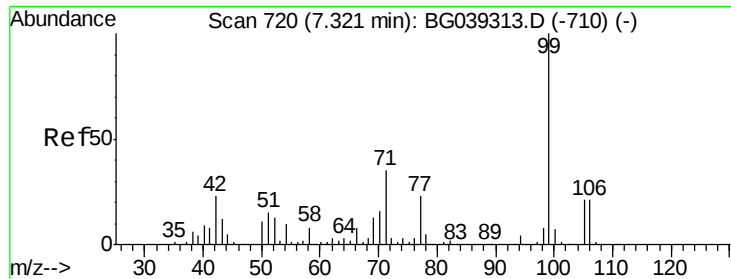


#5

2-Fluorophenol
Concen: 146.63 ng
RT: 5.72 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039406.D
Acq: 8 Feb 2019 7:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.2	57.8	86.8
63	36.7	29.8	44.6





#7

Phenol-d6

Concen: 132.71 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039406.D

Acq: 8 Feb 2019 7:27

Instrument :

BNA_G

ClientSampleId :

M-7-S

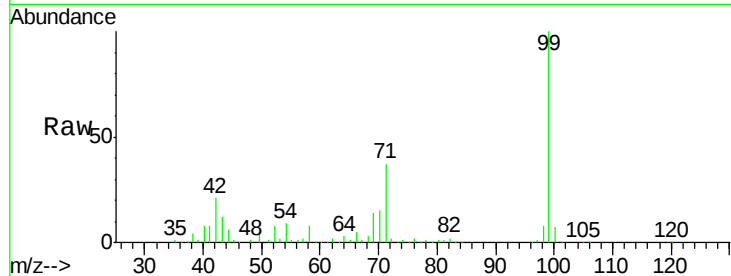
Tot Ion: 99 Resp: 576635

Ion Ratio Lower Upper

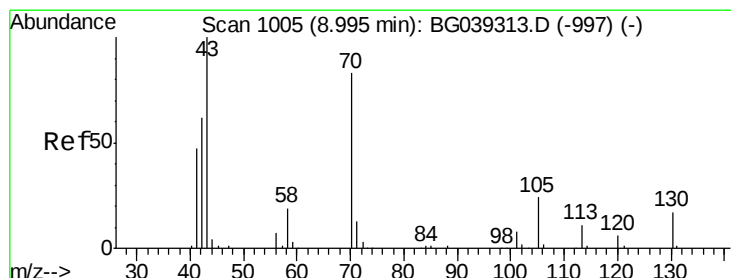
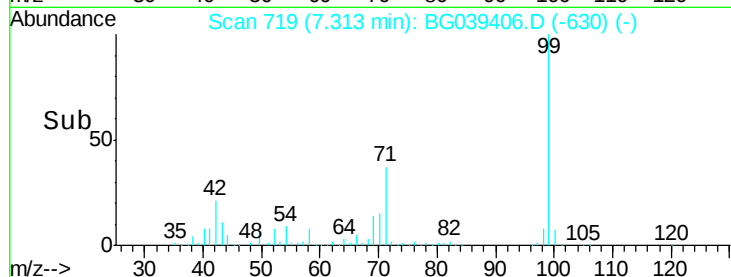
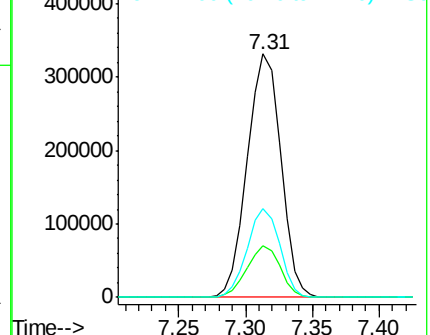
99 100

42 21.3 18.2 27.2

71 36.6 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: 17.15 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.36 min

Lab File: BG039406.D

Acq: 8 Feb 2019 7:27

Tgt Ion: 70 Resp: 52896

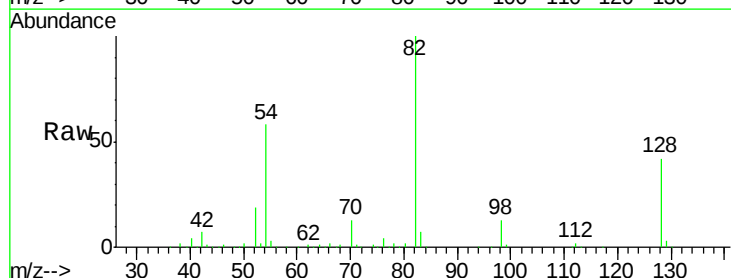
Ion Ratio Lower Upper

70 100

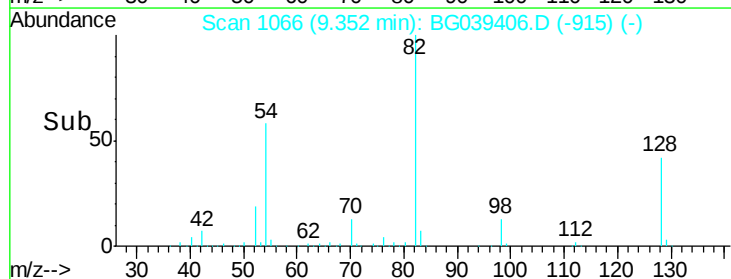
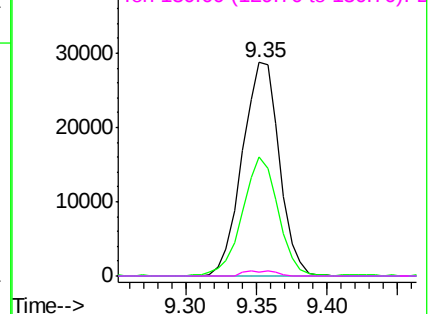
42 56.0 60.4 90.6#

101 0.0 7.5 11.3#

130 1.7 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

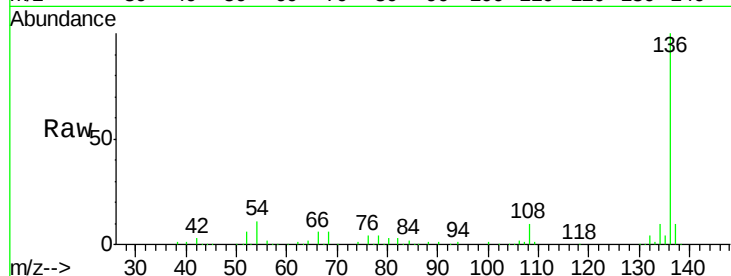




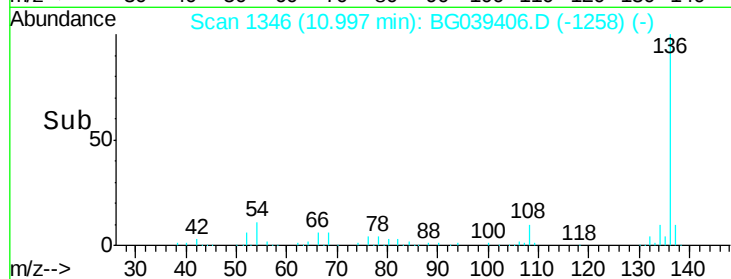
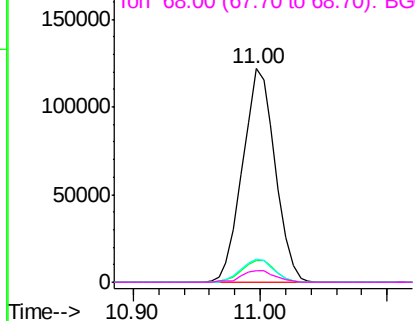
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039406.D
Acq: 8 Feb 2019 7:27

Instrument :
BNA_G
ClientSampleId :
M-7-S

Tot Ion:136	Resp:	216825
Ion Ratio	Lower	Upper
136	100	
137	10.2	9.1 13.7
54	10.6	9.4 14.2
68	5.6	4.2 6.4

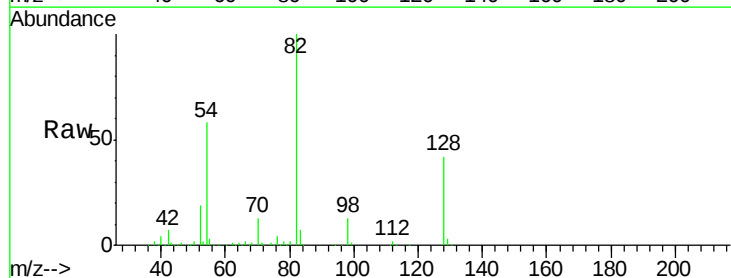


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

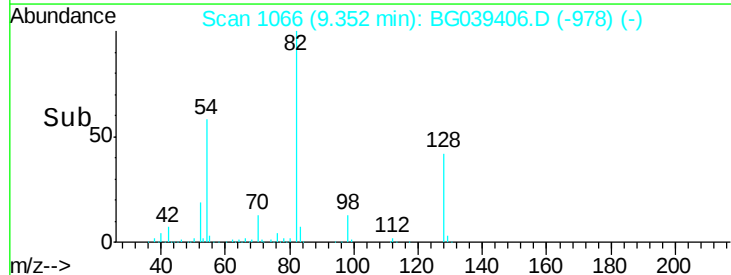
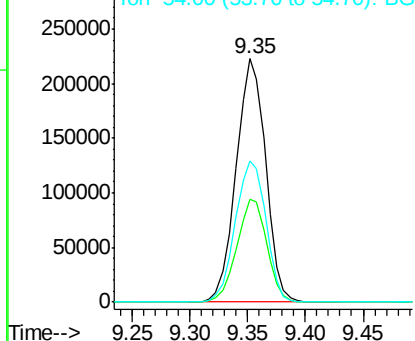


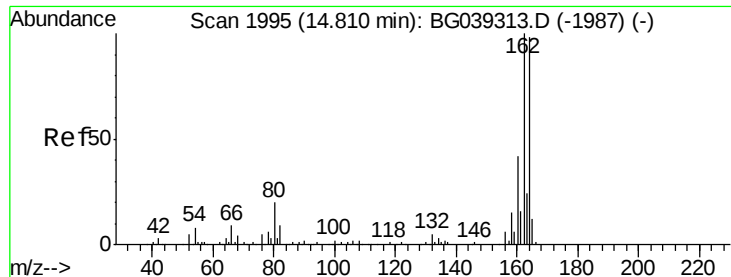
#23
Nitrobenzene-d5
Concen: 113.66 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039406.D
Acq: 8 Feb 2019 7:27

Tgt Ion: 82	Resp:	394502
Ion Ratio	Lower	Upper
82	100	
128	42.4	31.3 46.9
54	58.1	50.9 76.3



Abundance Ion 82.00 (81.70 to 82.70): B
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): B





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039406.D

Acq: 8 Feb 2019 7:27

Instrument :

BNA_G

ClientSampleId :

M-7-S

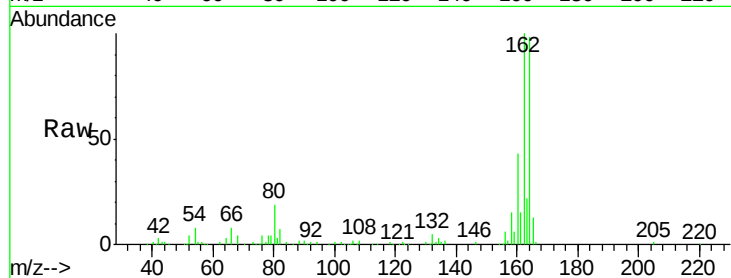
Tot Ion:164 Resp: 143210

Ion Ratio Lower Upper

164 100

162 101.8 81.6 122.4

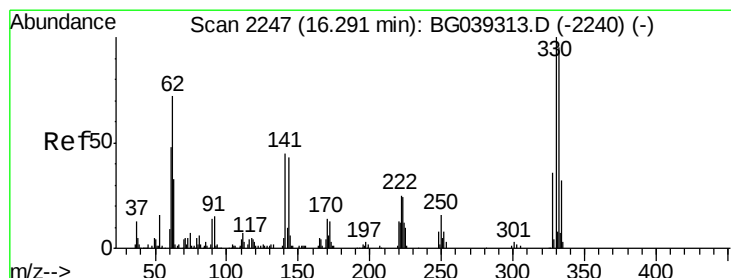
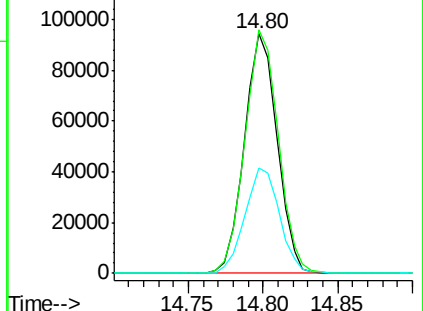
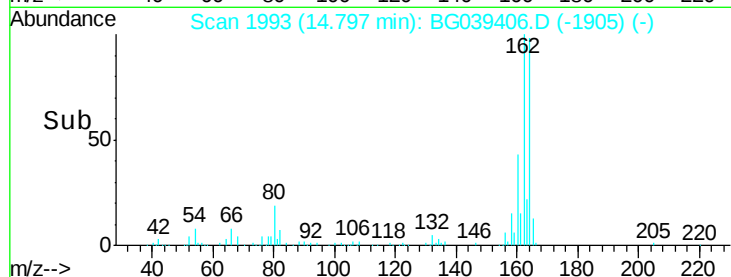
160 44.1 34.2 51.2



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: 129.65 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039406.D

Acq: 8 Feb 2019 7:27

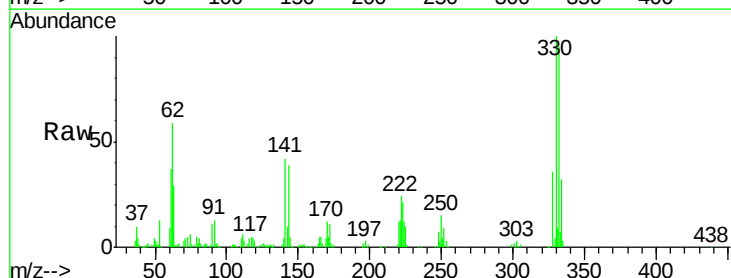
Tgt Ion:330 Resp: 199935

Ion Ratio Lower Upper

330 100

332 97.4 75.7 113.5

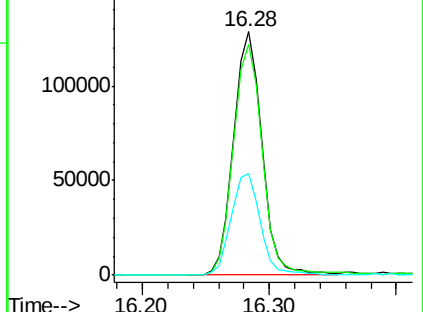
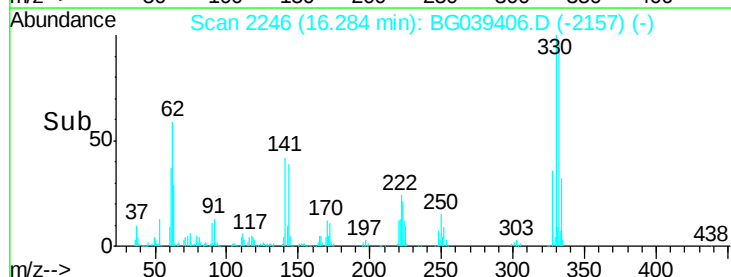
141 42.7 35.6 53.4



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

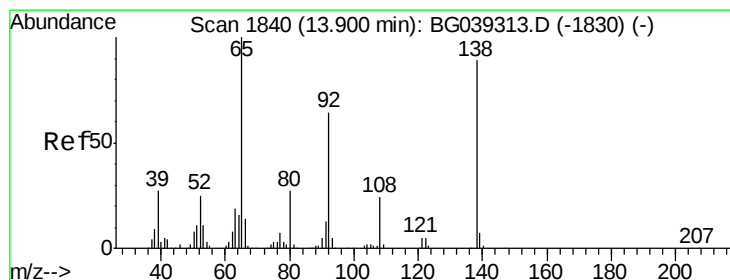
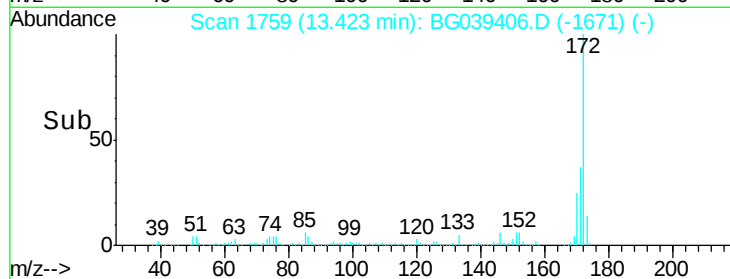
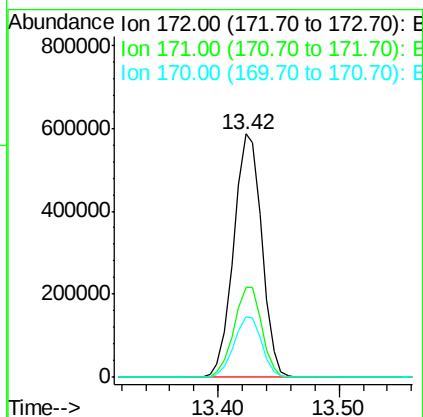
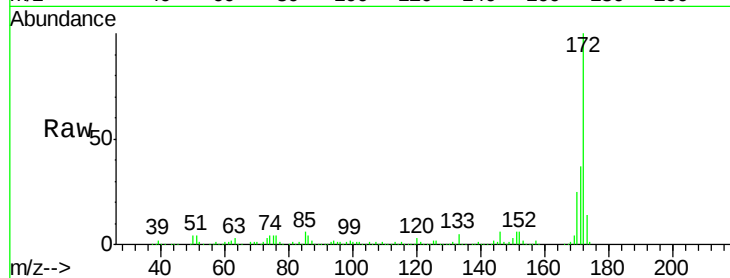




#45
2-Fluorobiphenyl
Concen: 95.03 ng
RT: 13.42 min Scan# 1759
Delta R.T. -0.01 min
Lab File: BG039406.D
Acq: 8 Feb 2019 7:27

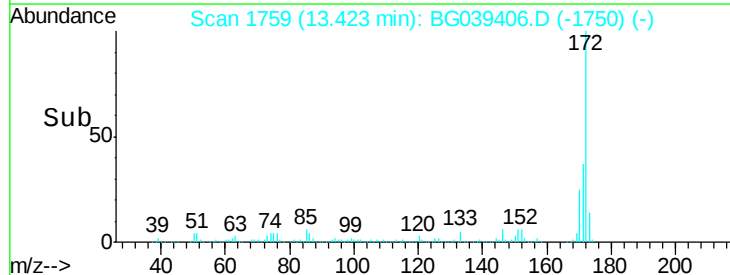
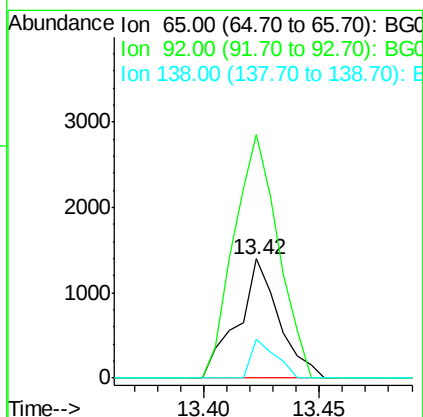
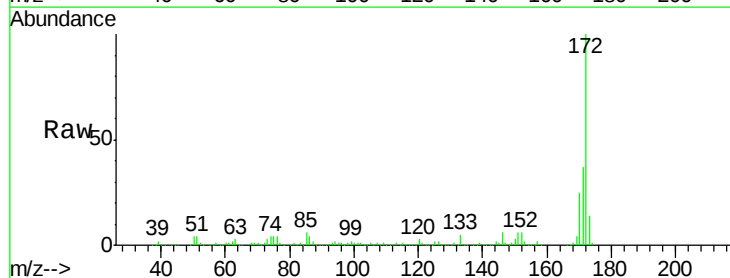
Instrument :
BNA_G
ClientSampleId :
M-7-S

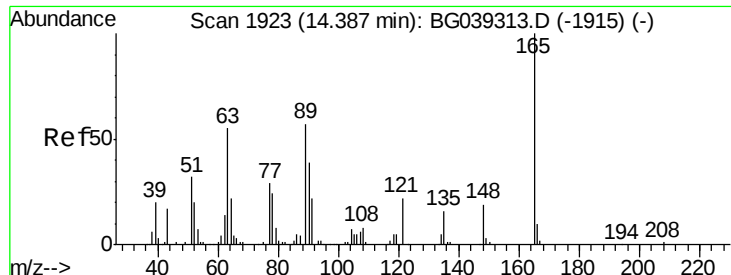
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.8	46.2
170	24.9	20.2	30.4



#48
2-Nitroaniline
Concen: 8.85 ng
RT: 13.42 min Scan# 1759
Delta R.T. -0.48 min
Lab File: BG039406.D
Acq: 8 Feb 2019 7:27

Tgt Ion	Ratio	Lower	Upper
65	100		
92	204.5	51.4	77.2#
138	32.9	71.4	107.2#

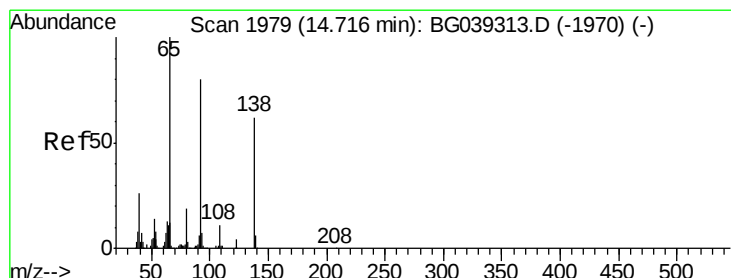
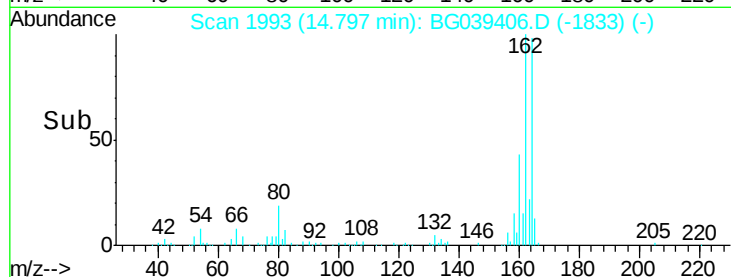
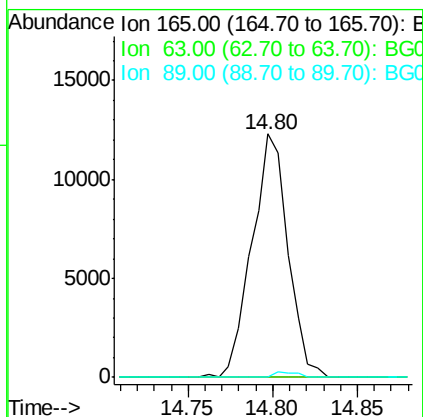
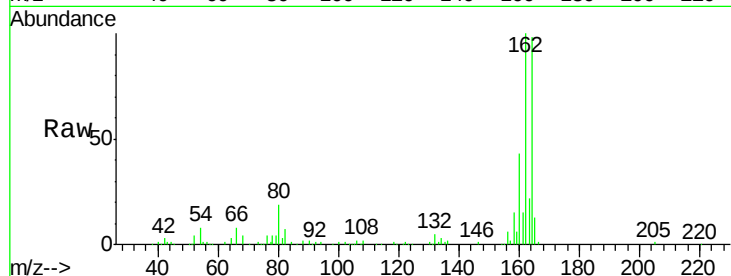




#51
 2,6-Dinitrotoluene
 Concen: 13.82 ng
 RT: 14.80 min Scan# 1993
 Delta R.T. 0.41 min
 Lab File: BG039406.D
 Acq: 8 Feb 2019 7:27

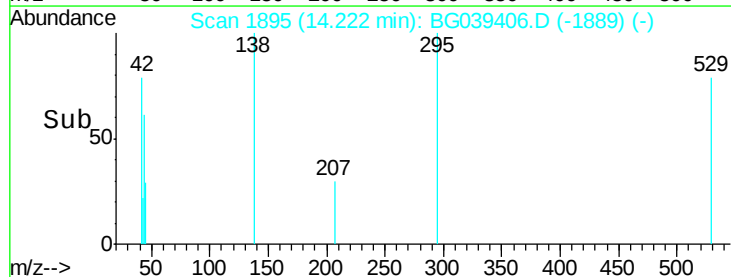
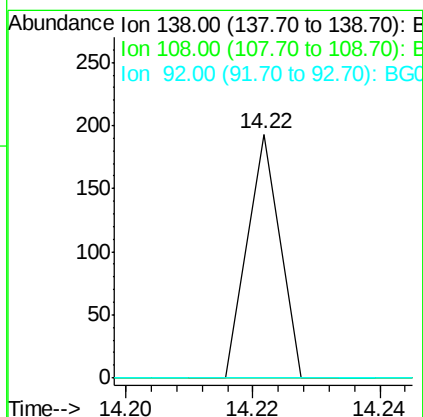
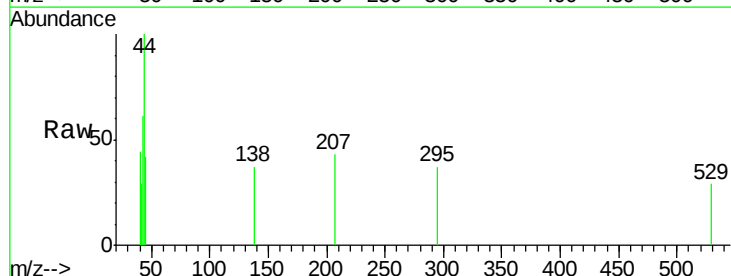
Instrument :
 BNA_G
 ClientSampleId :
 M-7-S

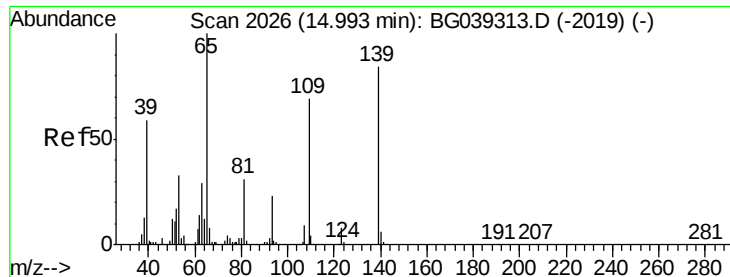
Tot Ion:165 Resp: 18181
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.0 70.6#
 89 0.0 45.8 68.8#



#53
 3-Nitroaniline
 Concen: 5.82 ng
 RT: 14.22 min Scan# 1895
 Delta R.T. -0.49 min
 Lab File: BG039406.D
 Acq: 8 Feb 2019 7:27

Tgt Ion:138 Resp: 68
 Ion Ratio Lower Upper
 138 100
 108 0.0 13.8 20.8#
 92 0.0 103.7 155.5#





#56

4-Nitrophenol

Concen: 5.82 ng

RT: 15.38 min Scan# 2093

Delta R.T. 0.39 min

Lab File: BG039406.D

Acq: 8 Feb 2019 7:27

Instrument :

BNA_G

ClientSampleId :

M-7-S

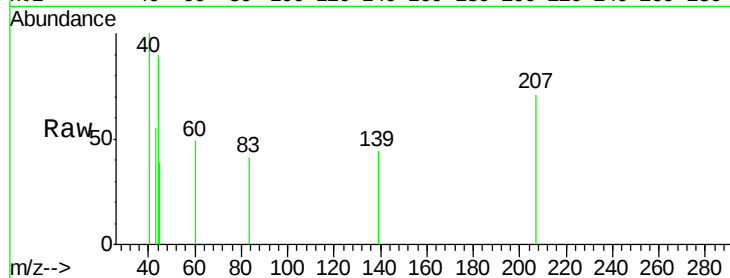
Tot Ion:139 Resp: 60

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

65 0.0 99.1 139.1#

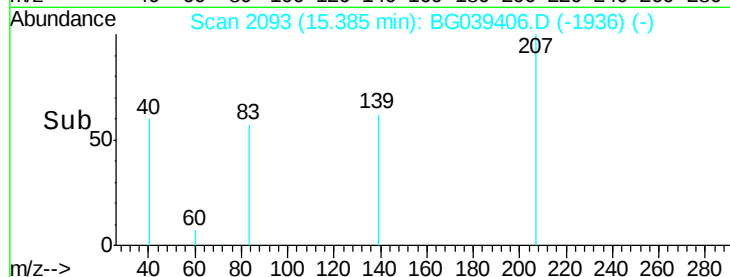


Abundance Ion 139.00 (138.70 to 139.70): E

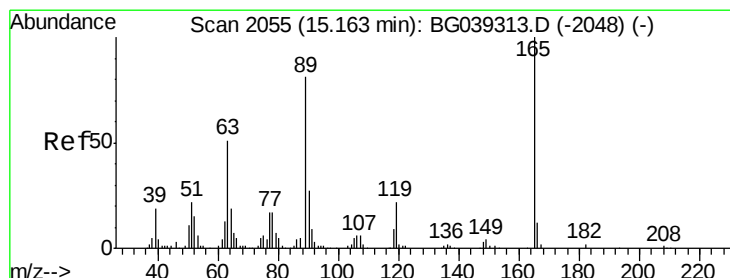
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

15.38



Time-->



#57

2,4-Dinitrotoluene

Concen: 13.32 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.36 min

Lab File: BG039406.D

Acq: 8 Feb 2019 7:27

Tgt Ion:165 Resp: 18181

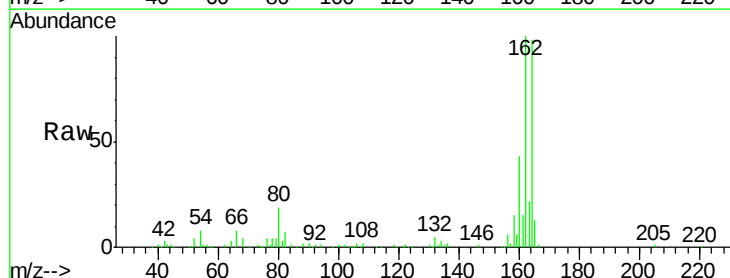
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 0.0 64.6 96.8#

182 0.0 2.0 3.0#



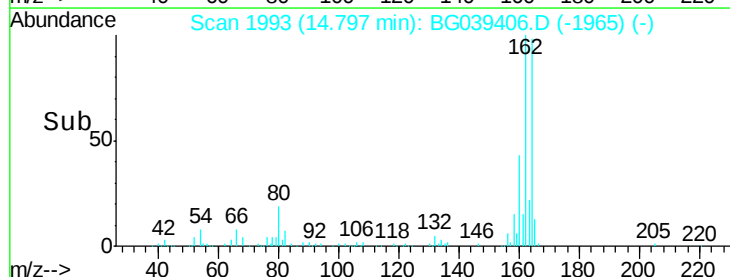
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

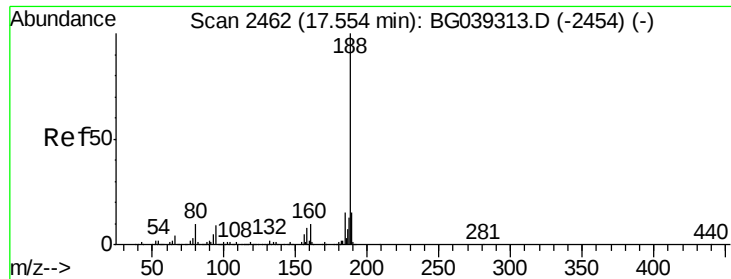
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

14.80



Time-->



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039406.D

Acq: 8 Feb 2019 7:27

Instrument :

BNA_G

ClientSampleId :

M-7-S

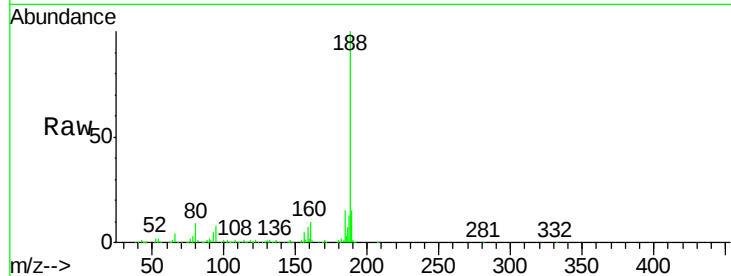
Tot Ion:188 Resp: 345327

Ion Ratio Lower Upper

188 100

94 8.3 6.9 10.3

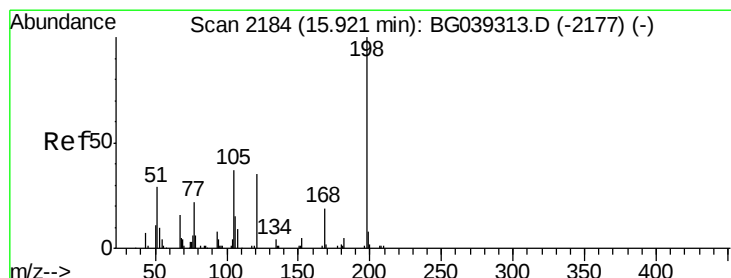
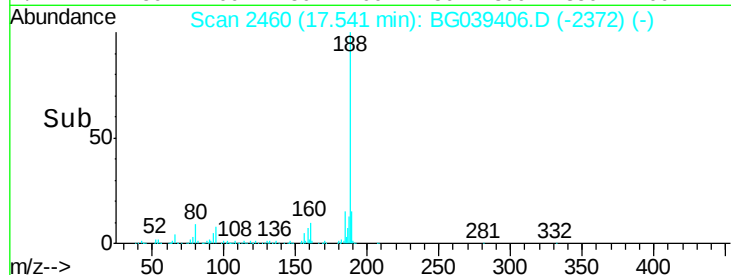
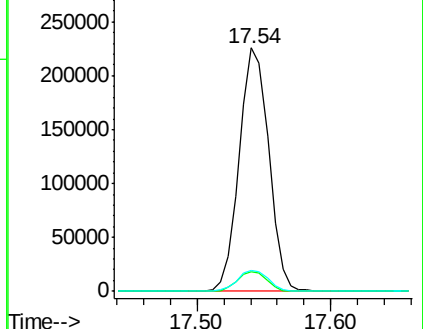
80 8.8 8.1 12.1



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.80 ng

RT: 16.28 min Scan# 2246

Delta R.T. 0.36 min

Lab File: BG039406.D

Acq: 8 Feb 2019 7:27

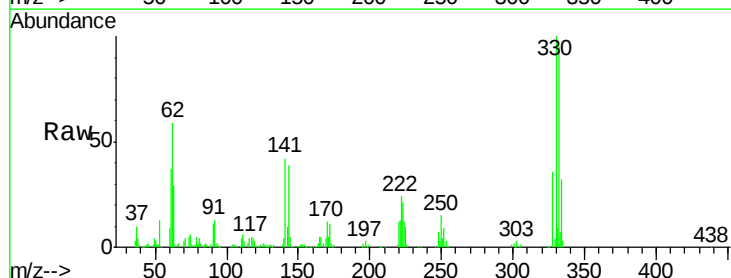
Tgt Ion:198 Resp: 677

Ion Ratio Lower Upper

198 100

51 107.6 27.4 67.4#

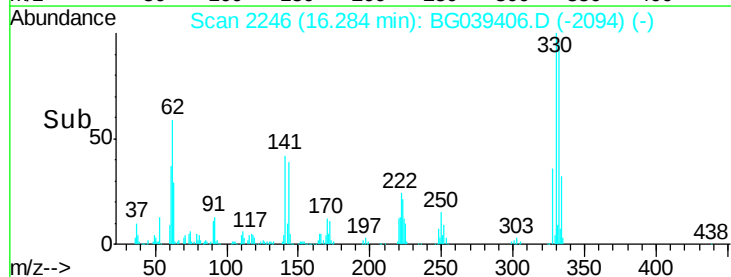
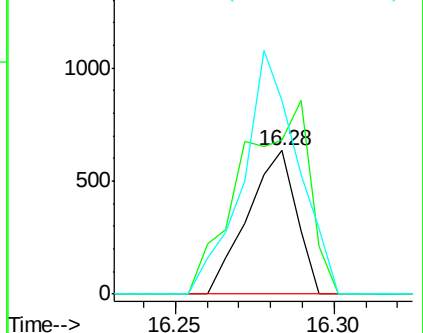
105 135.1 19.7 59.7#

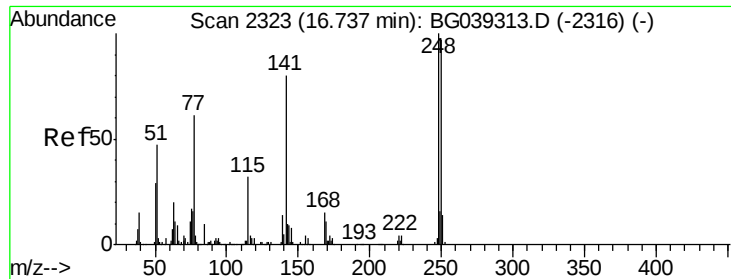


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

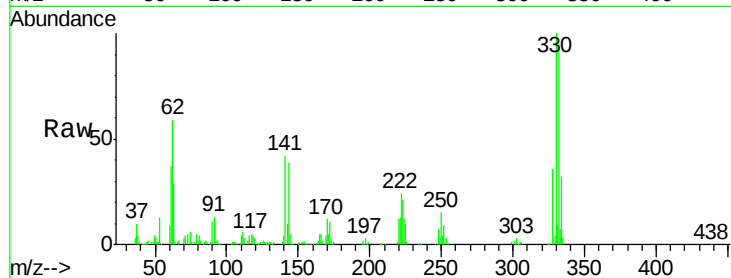




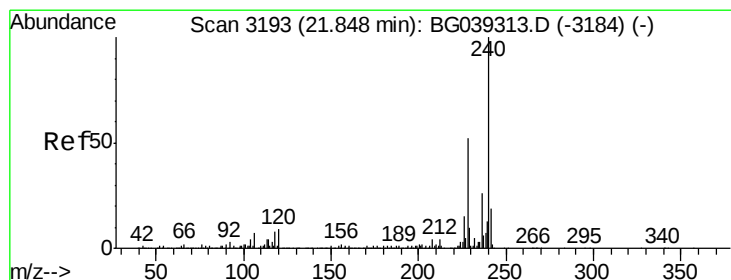
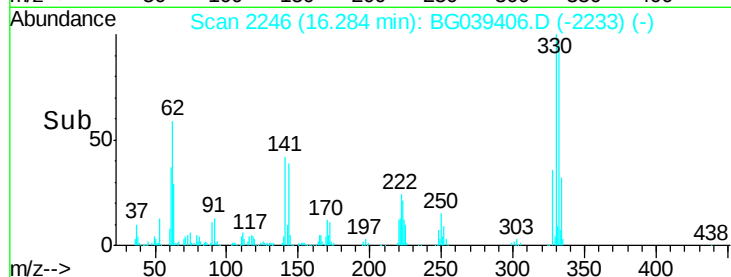
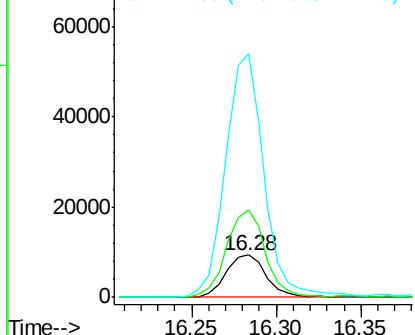
#67
4-Bromophenyl-phenylether
Concen: 4.03 ng
RT: 16.28 min Scan# 2246
Delta R.T. -0.45 min
Lab File: BG039406.D
Acq: 8 Feb 2019 7:27

Instrument :
BNA_G
ClientSampleId :
M-7-S

Tot Ion:248 Resp: 15422
Ion Ratio Lower Upper
248 100
250 205.7 77.6 116.4#
141 575.5 63.9 95.9#

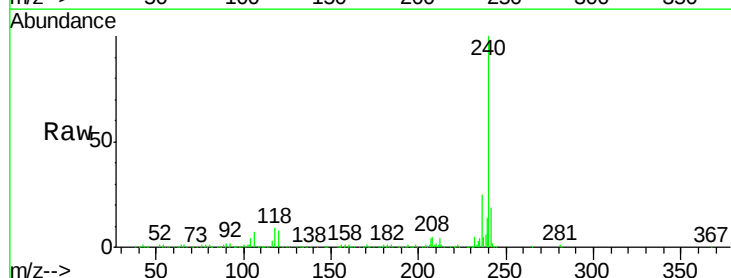


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

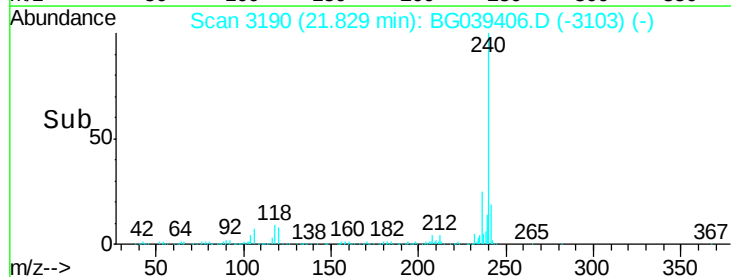
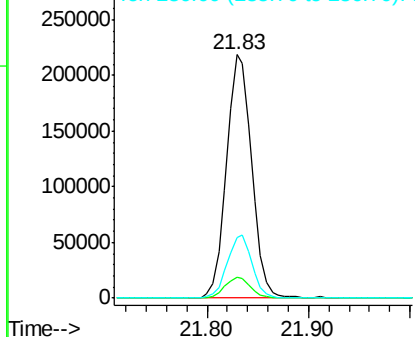


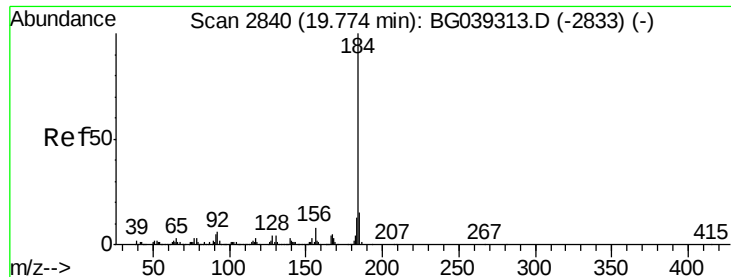
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039406.D
Acq: 8 Feb 2019 7:27

Tgt Ion:240 Resp: 376119
Ion Ratio Lower Upper
240 100
120 8.4 7.0 10.6
236 24.7 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: 2.29 ng

RT: 20.14 min Scan# 2902

Delta R.T. 0.36 min

Lab File: BG039406.D

Acq: 8 Feb 2019 7:27

Instrument :

BNA_G

ClientSampleId :

M-7-S

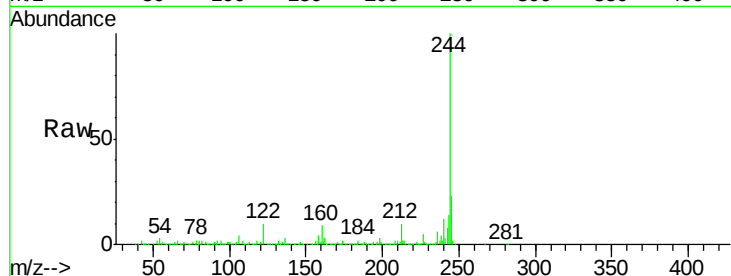
Tot Ion:184 Resp: 28193

Ion Ratio Lower Upper

184 100

185 17.0 12.2 18.2

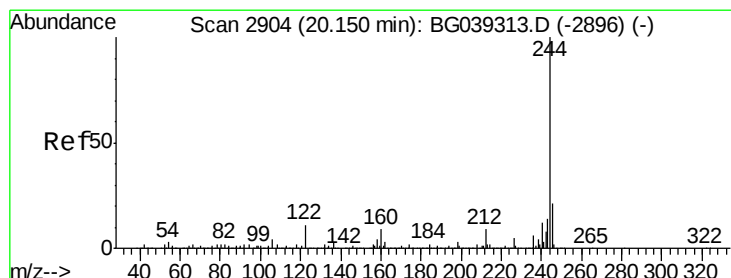
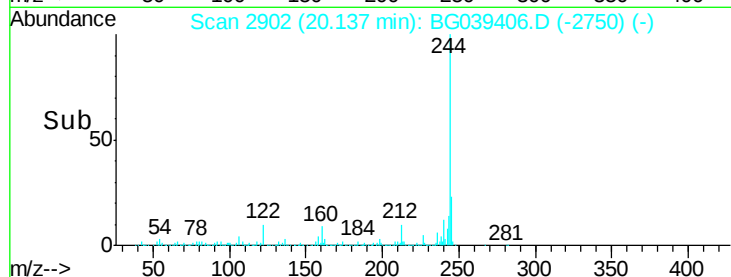
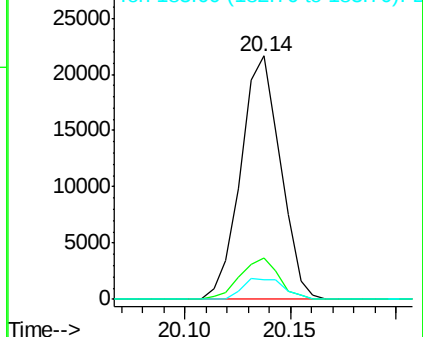
183 8.1 10.6 15.8#



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: 89.28 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039406.D

Acq: 8 Feb 2019 7:27

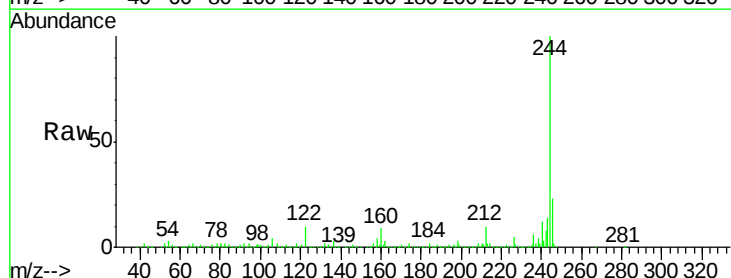
Tgt Ion:244 Resp: 1586409

Ion Ratio Lower Upper

244 100

212 9.7 7.3 10.9

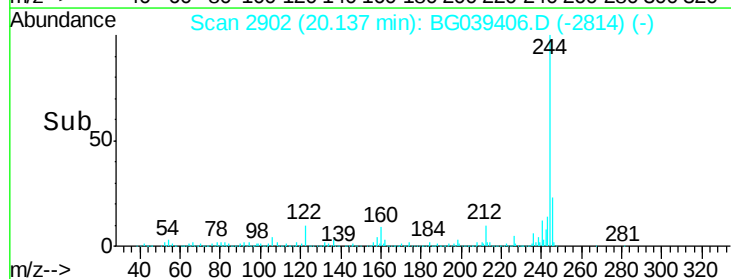
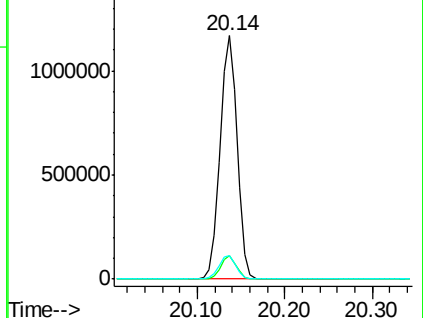
122 9.8 8.4 12.6

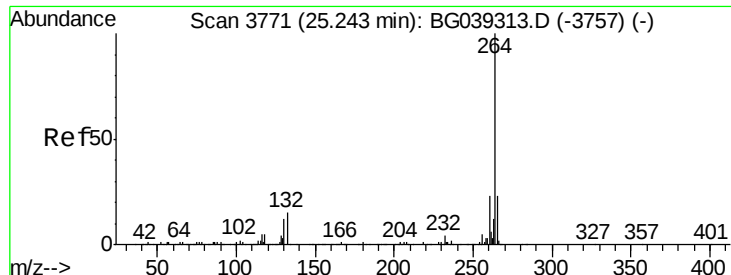


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

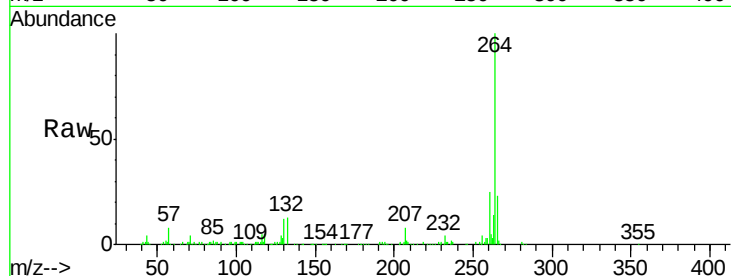




#87
 Pervlene-d12
 Concen: 20.00 ng
 RT: 25.22 min Scan# 3767
 Delta R.T. -0.02 min
 Lab File: BG039406.D
 Acq: 8 Feb 2019 7:27

Instrument :
 BNA_G
 ClientSampleId :
 M-7-S

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.2	27.4
265	23.2	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

