

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010919\
 Data File : BG039033.D
 Acq On : 9 Jan 2019 23:05
 Operator : JU/SJ
 Sample : K1088-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 10 04:23:46 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	8.03	152	20336	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	82291	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	61115	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	171103	20.00	ng	0.00
76) Chrysene-d12	21.69	240	179379	20.00	ng	0.00
87) Perylene-d12	24.98	264	193595	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	134499	125.46	ng	0.00
7) Phenol-d6	7.19	99	193386	125.35	ng	0.00
23) Nitrobenzene-d5	9.21	82	114211	75.94	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	124971	121.99	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	296628	66.42	ng	0.00
79) Terphenyl-d14	20.03	244	598223	61.69	ng	0.00

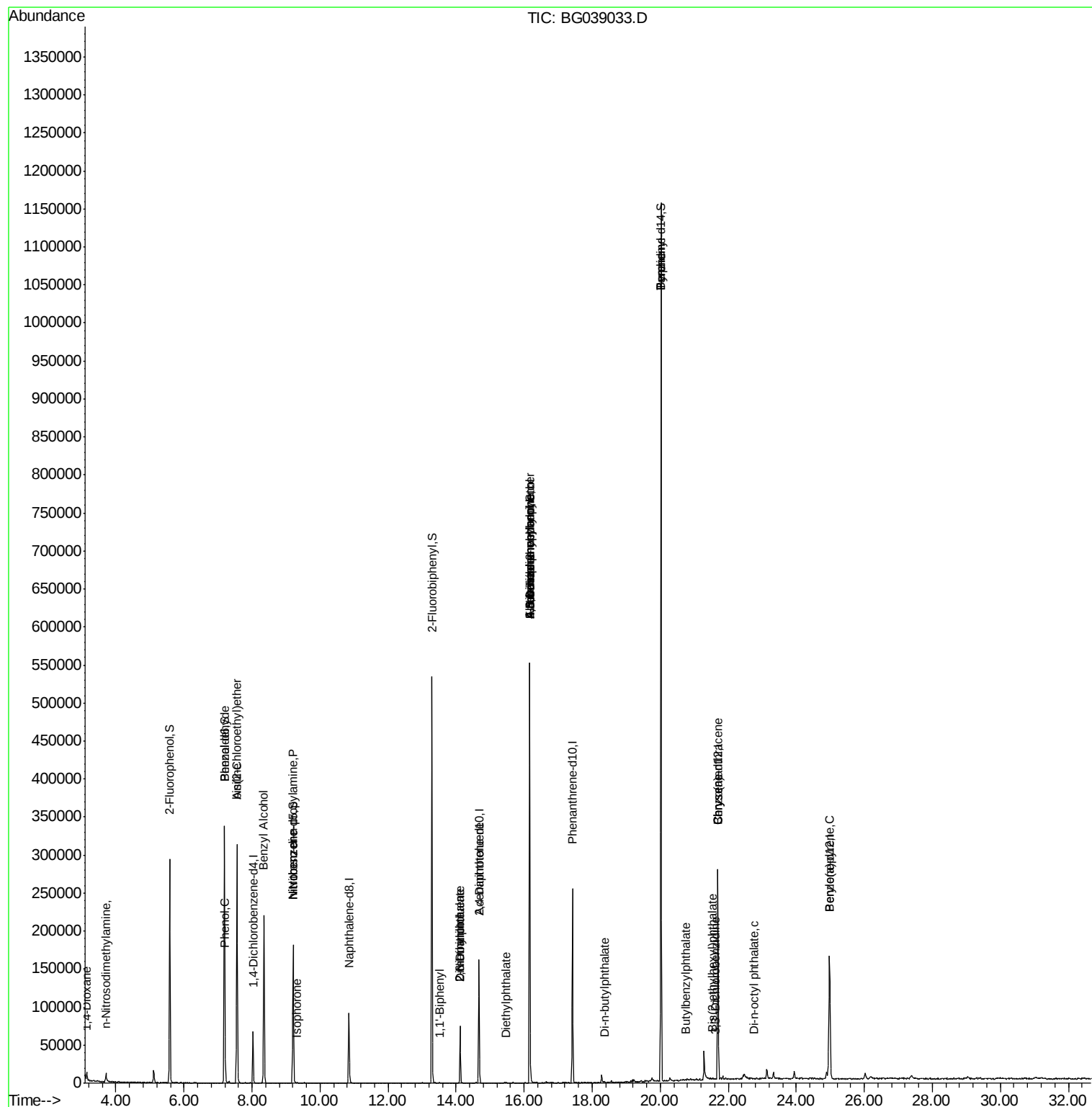
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.13	88	64	0.152	ng	# 1
4) n-Nitrosodimethylamine	3.70	42	528	1.029	ng	# 1
6) Aniline	7.56	93	64	0.035	ng	# 1
9) Benzaldehyde	7.19	77	301	0.338	ng	# 1
10) Phenol	7.21	94	8926	5.771	ng	# 81
11) bis(2-Chloroethyl)ether	7.56	93	64	0.054	ng	# 1
15) Benzyl Alcohol	8.35	79	1827	1.573	ng	# 44
19) n-Nitroso-di-n-propylamine	9.20	70	14546	14.358	ng	# 69
24) Nitrobenzene	9.21	77	511	0.336	ng	# 38
25) Isophorone	9.32	82	167	0.064	ng	# 62
46) 1,1'-Biphenyl	13.51	154	285	0.059	ng	# 41
48) 2-Nitroaniline	14.12	65	263	0.240	ng	# 1
50) Dimethylphthalate	14.12	163	54981	10.646	ng	# 98
51) 2,6-Dinitrotoluene	14.12	165	376	0.326	ng	# 18
57) 2,4-Dinitrotoluene	14.67	165	8021	4.842	ng	# 26
58) Fluorene	16.16	166	3610	0.767	ng	# 72
60) Diethylphthalate	15.47	149	253	0.048	ng	# 57
63) Azobenzene	16.15	77	427	0.103	ng	# 29
65) 4,6-Dinitro-2-methylphenol	16.17	198	258	0.204	ng	# 51
66) n-Nitrosodiphenylamine	16.16	169	4023	0.793	ng	# 45
67) 4-Bromophenyl-phenylether	16.16	248	8251	3.751	ng	# 1
74) Di-n-butylphthalate	18.35	149	887	0.090	ng	# 77
77) Benzidine	20.02	184	9607	1.751	ng	# 96
78) Pyrene	20.03	202	2125	0.186	ng	# 71
80) Butylbenzylphthalate	20.75	149	62	0.014	ng	# 27
81) Benzo(a)anthracene	21.69	228	529	0.048	ng	# 48
82) 3,3'-Dichlorobenzidine	21.61	252	65	0.015	ng	# 23
83) Chrysene	21.69	228	529	0.051	ng	# 47
84) Bis(2-ethylhexyl)phthalate	21.55	149	872	0.144	ng	# 97
85) Di-n-octyl phthalate	22.75	149	55	0.005	ng	# 1
90) Benzo(a)pyrene	24.99	252	566	0.055	ng	# 59

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

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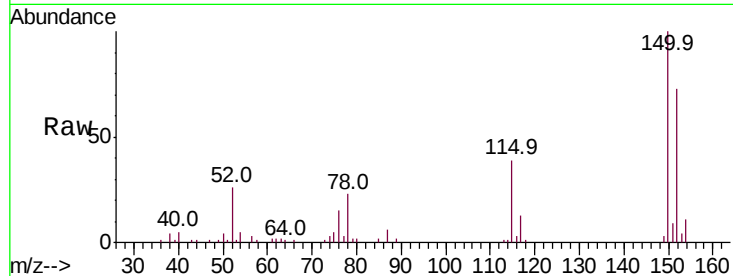


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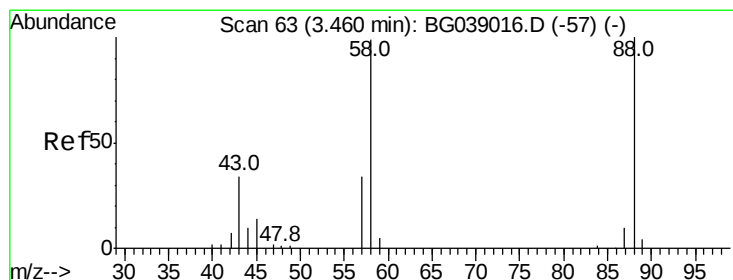
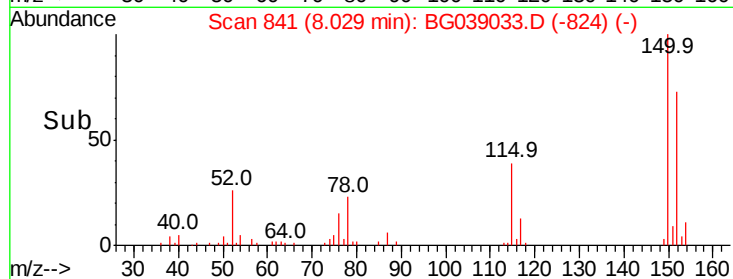
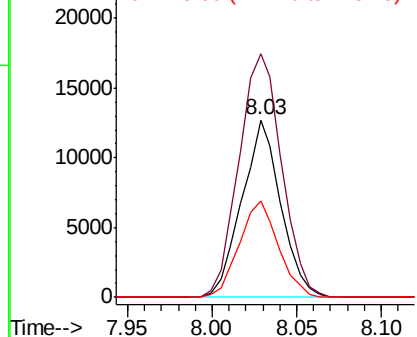
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.00 min
Lab File: BG039033.D
Acq: 9 Jan 2019 23:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 20336
Ion Ratio Lower Upper
152 100
150 137.0 124.7 187.1
115 54.1 46.5 69.7



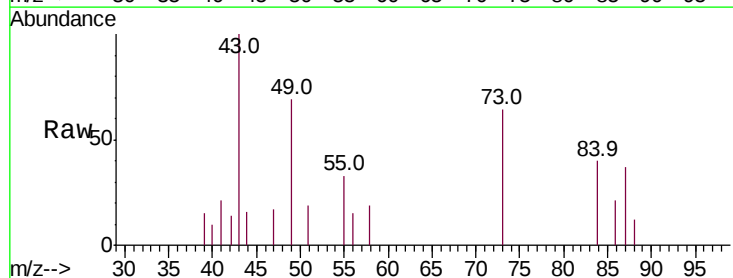
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



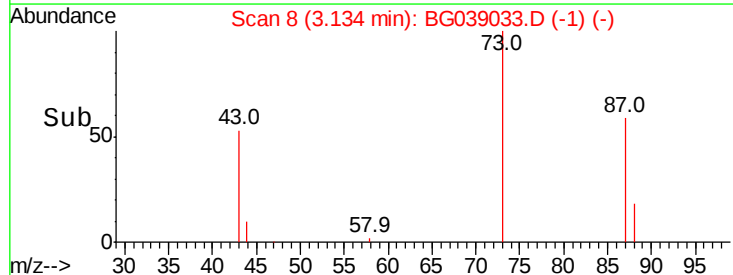
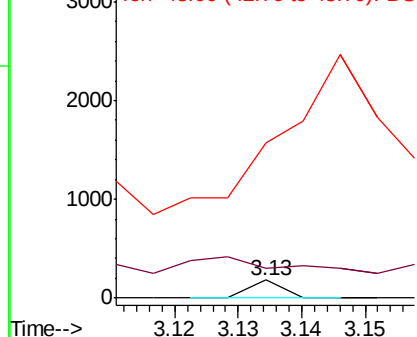
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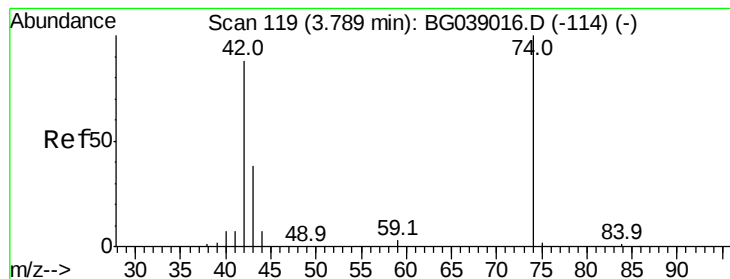
1,4-Dioxane
Concen: 0.152 ng
RT: 3.13 min Scan# 8
Delta R.T. -0.33 min
Lab File: BG039033.D
Acq: 9 Jan 2019 23:05

Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
58 278.1 72.4 108.6#
43 3670.3 27.6 41.4#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#4

n-Nitrosodimethylamine

Concen: 1.029 ng

RT: 3.70 min Scan# 104

Delta R.T. -0.09 min

Lab File: BG039033.D

Acq: 9 Jan 2019 23:05

Instrument :

BNA_G

ClientSampled :

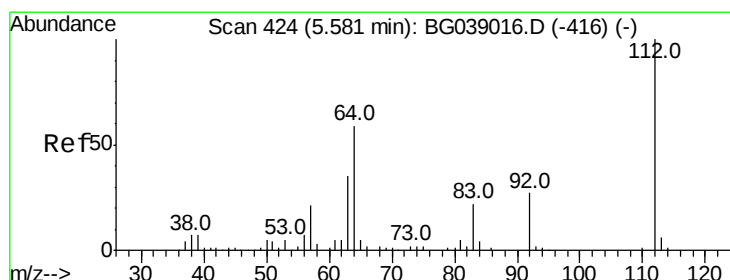
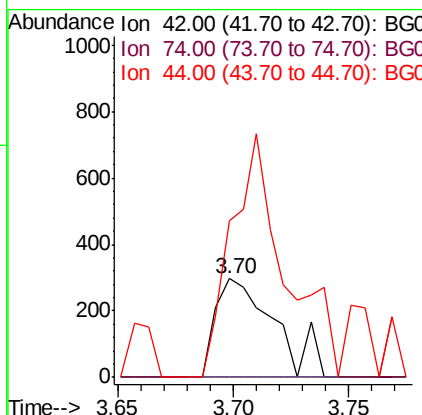
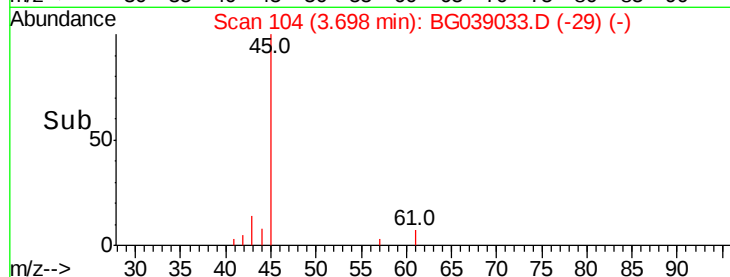
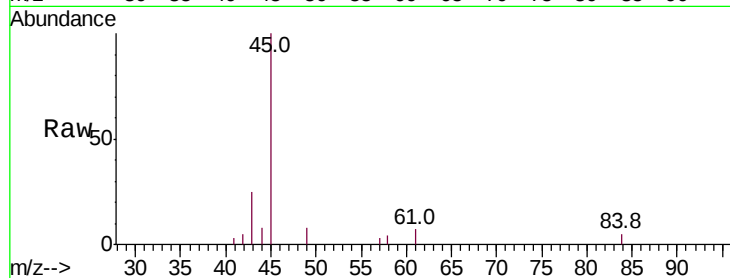
Tot Ion: 42 Resp: 528

Ion Ratio Lower Upper

42 100

74 0.0 90.7 136.1#

44 159.8 6.5 9.7#



#5

2-Fluorophenol

Concen: 125.463 ng

RT: 5.58 min Scan# 424

Delta R.T. -0.00 min

Lab File: BG039033.D

Acq: 9 Jan 2019 23:05

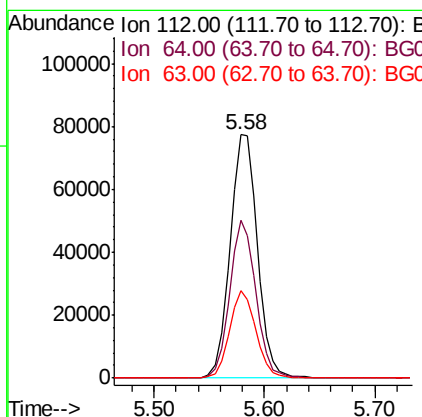
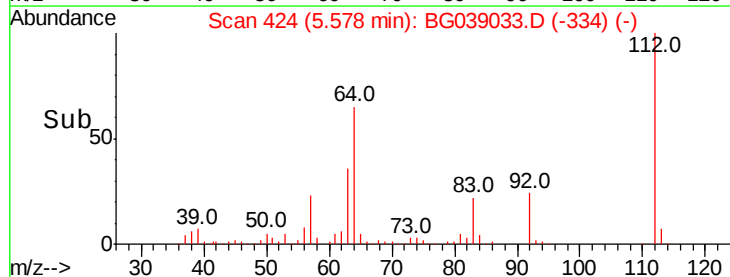
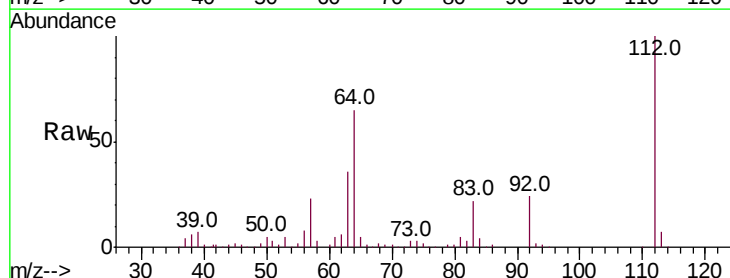
Tgt Ion: 112 Resp: 134499

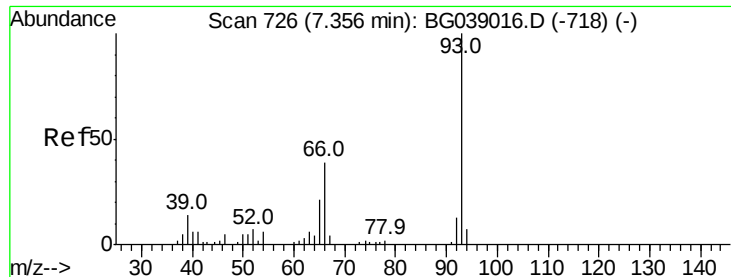
Ion Ratio Lower Upper

112 100

64 64.8 47.0 70.6

63 36.2 28.0 42.0





#6

Aniline

Concen: 0.035 ng

RT: 7.56 min Scan# 761

Delta R.T. 0.20 min

Lab File: BG039033.D

Acq: 9 Jan 2019 23:05

Instrument :

BNA_G

ClientSampleId :

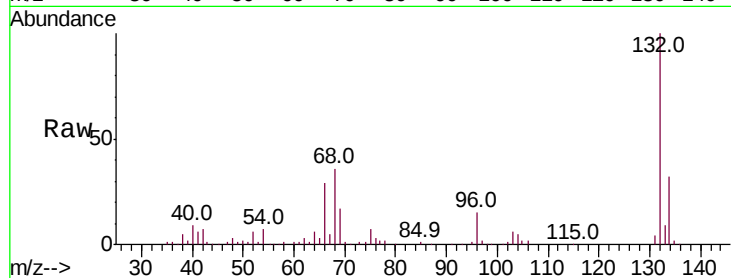
Tot Ion: 93 Resp: 64

Ion Ratio Lower Upper

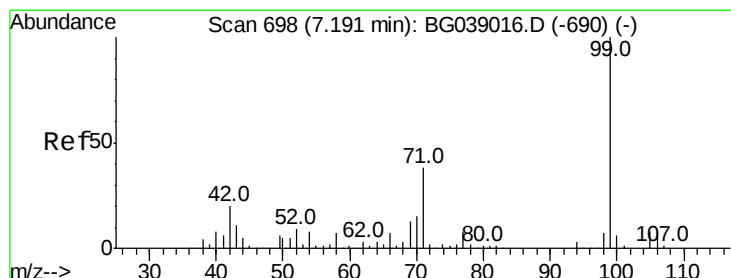
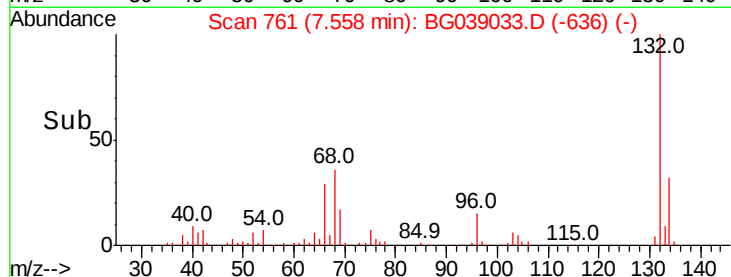
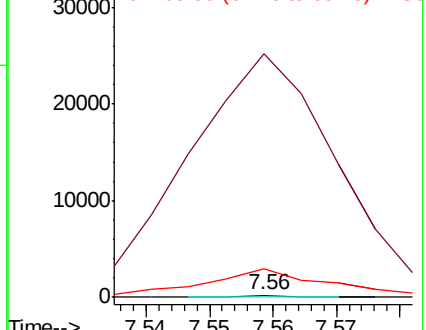
93 100

66 13833.0 30.9 46.3#

65 1589.0 17.0 25.4#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#7

Phenol-d6

Concen: 125.349 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG039033.D

Acq: 9 Jan 2019 23:05

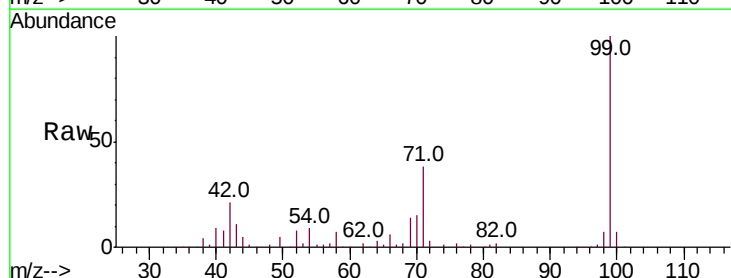
Tgt Ion: 99 Resp: 193386

Ion Ratio Lower Upper

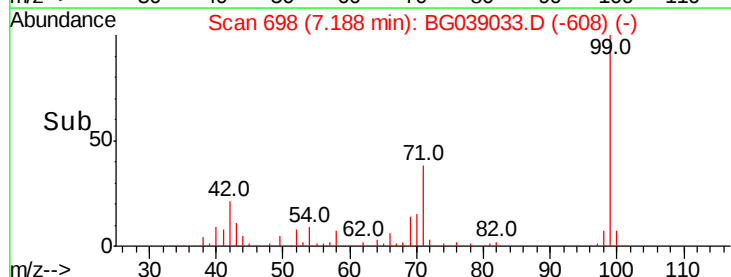
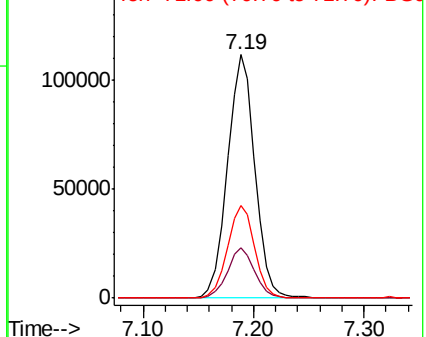
99 100

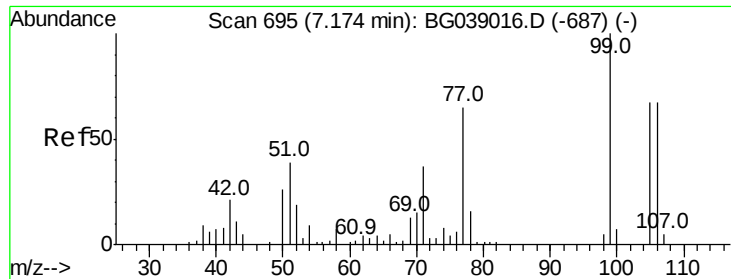
42 20.6 15.8 23.6

71 37.9 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

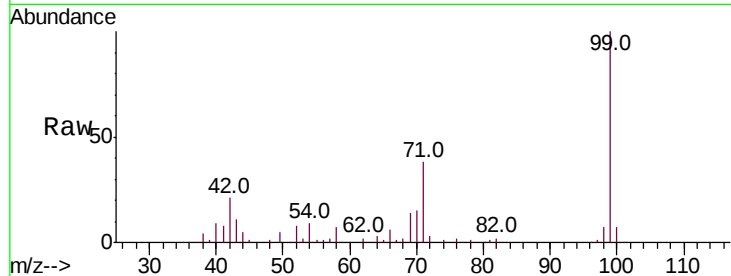




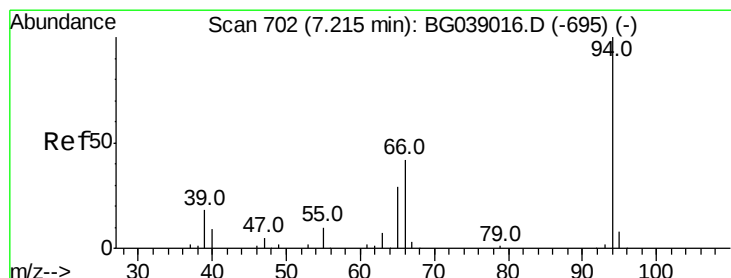
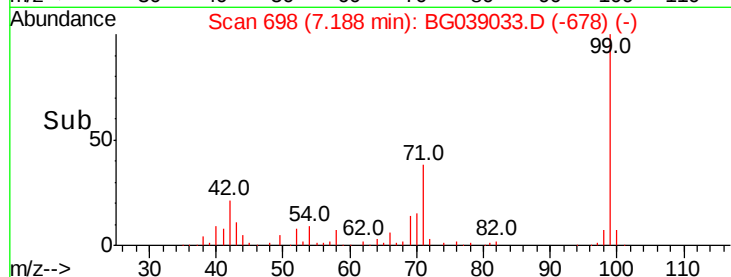
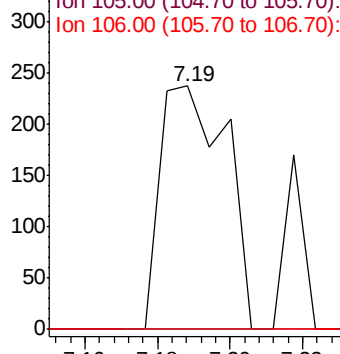
#9
Benzaldehyde
Concen: 0.338 ng
RT: 7.19 min Scan# 698
Delta R.T. 0.02 min
Lab File: BG039033.D
Acq: 9 Jan 2019 23:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 77 Resp: 301
Ion Ratio Lower Upper
77 100
105 0.0 82.4 122.4#
106 0.0 82.8 122.8#

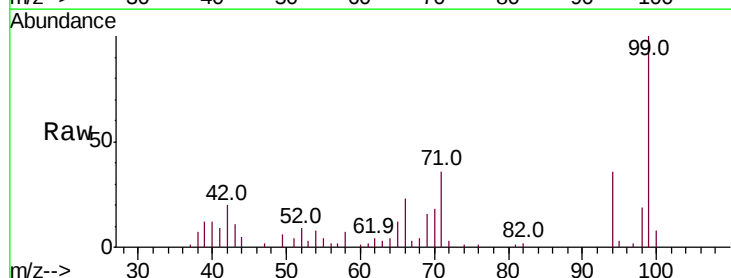


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC

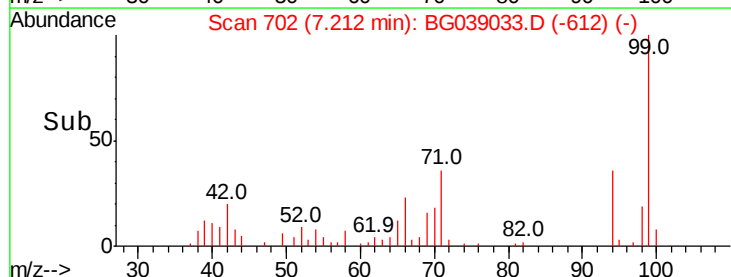
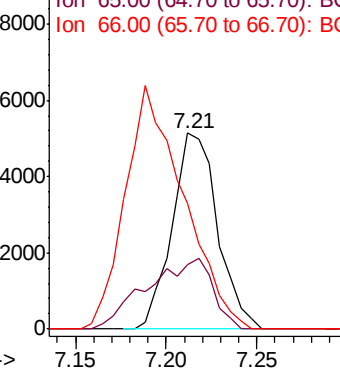


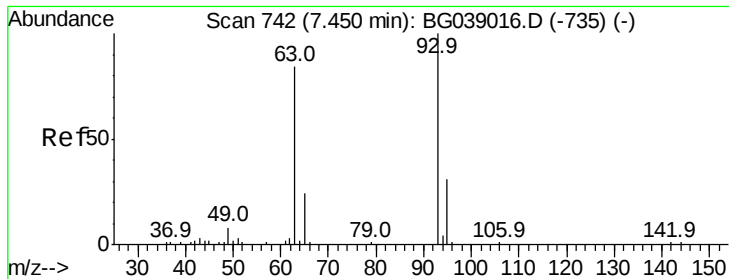
#10
Phenol
Concen: 5.771 ng
RT: 7.21 min Scan# 702
Delta R.T. -0.00 min
Lab File: BG039033.D
Acq: 9 Jan 2019 23:05

Tgt Ion: 94 Resp: 8926
Ion Ratio Lower Upper
94 100
65 32.8 10.3 50.3
66 64.2 25.1 65.1



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

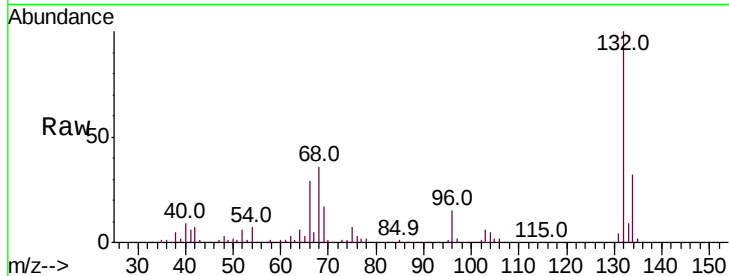




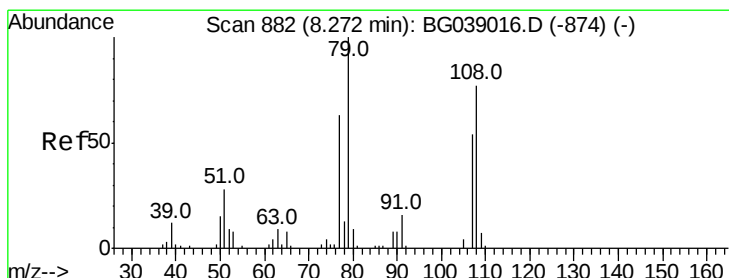
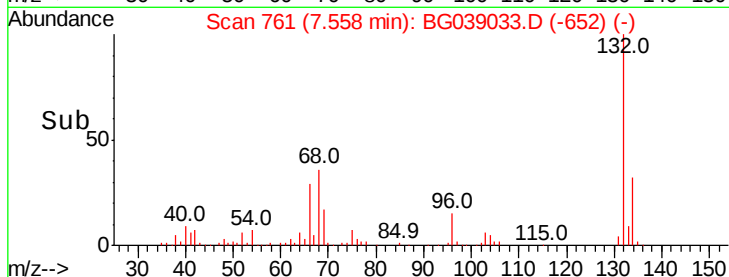
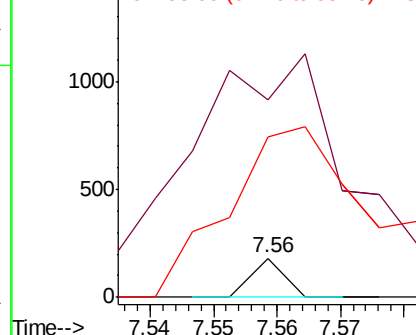
#11
 bis(2-Chloroethyl)ether
 Concen: 0.054 ng
 RT: 7.56 min Scan# 761
 Delta R.T. 0.11 min
 Lab File: BG039033.D
 Acq: 9 Jan 2019 23:05

Instrument :
 BNA_G
 ClientSampled :

Tot Ion: 93 Resp: 64
 Ion Ratio Lower Upper
 93 100
 63 504.9 63.2 103.2#
 95 408.2 11.2 51.2#

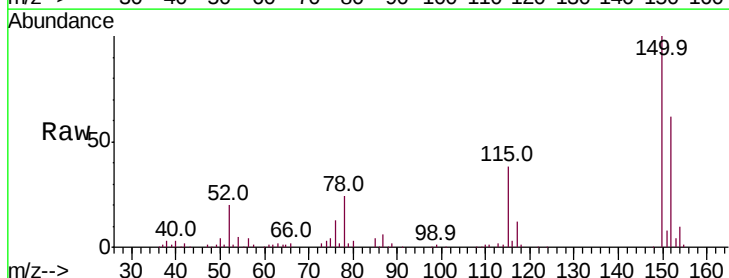


Abundance Ion 93.00 (92.70 to 93.70): BGC
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 95.00 (94.70 to 95.70): BGC

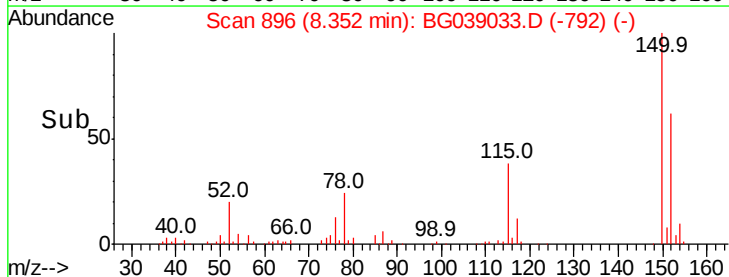
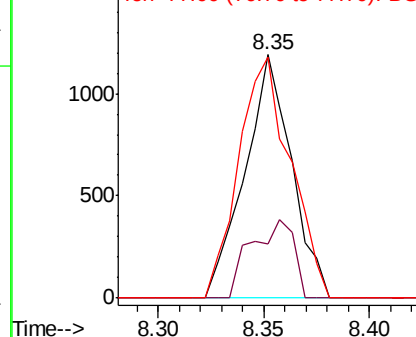


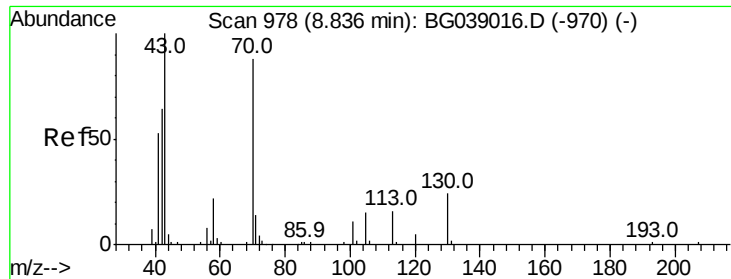
#15
 Benzyl Alcohol
 Concen: 1.573 ng
 RT: 8.35 min Scan# 896
 Delta R.T. 0.08 min
 Lab File: BG039033.D
 Acq: 9 Jan 2019 23:05

Tgt Ion: 79 Resp: 1827
 Ion Ratio Lower Upper
 79 100
 108 22.4 62.0 93.0#
 77 99.1 50.1 75.1#



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

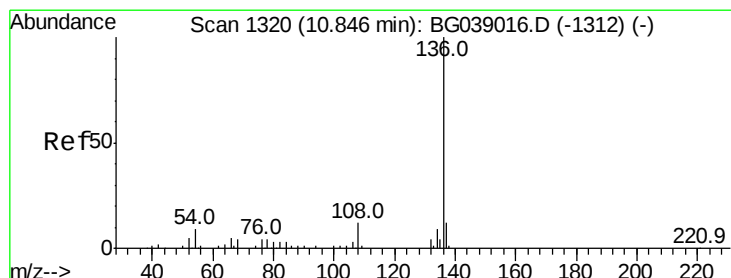
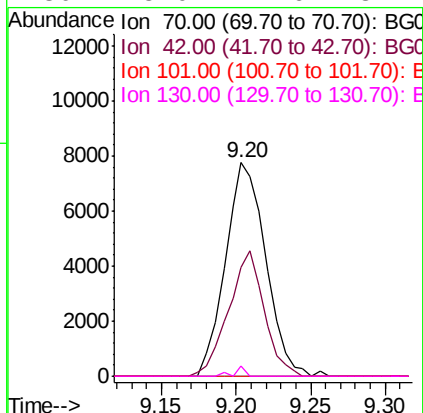
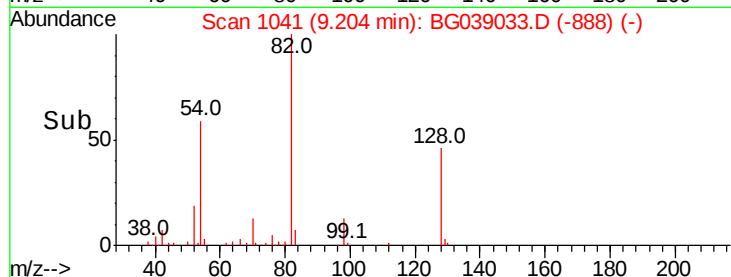
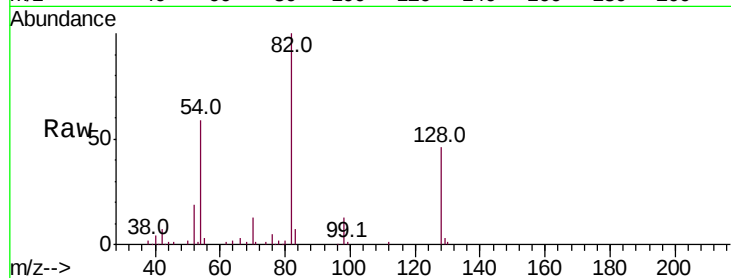




#19
n-Nitroso-di-n-propylamine
Concen: 14.358 ng
RT: 9.20 min Scan# 1041
Delta R.T. 0.37 min
Lab File: BG039033.D
Acq: 9 Jan 2019 23:05

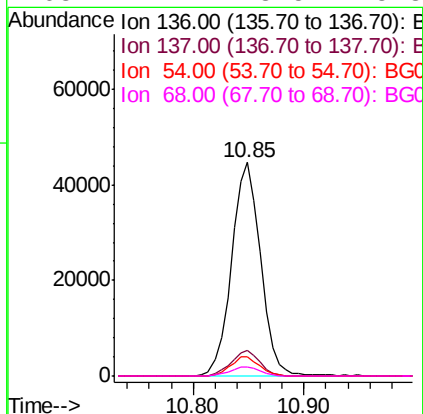
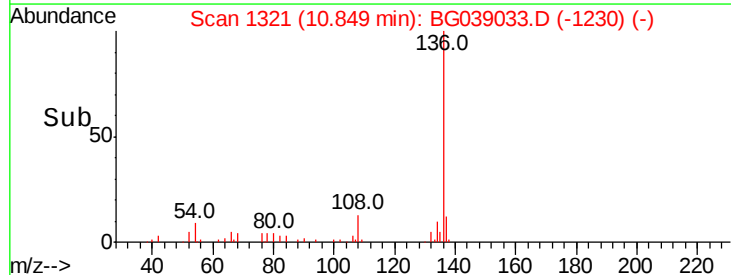
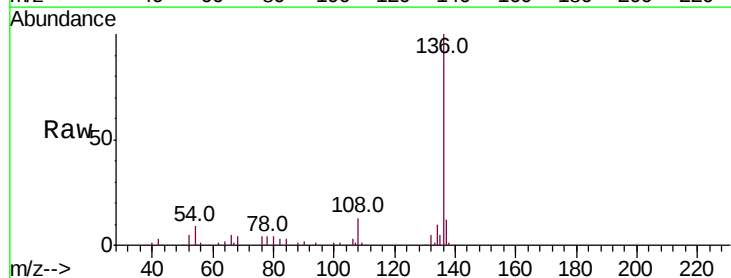
Instrument :
BNA_G
ClientSampleId :

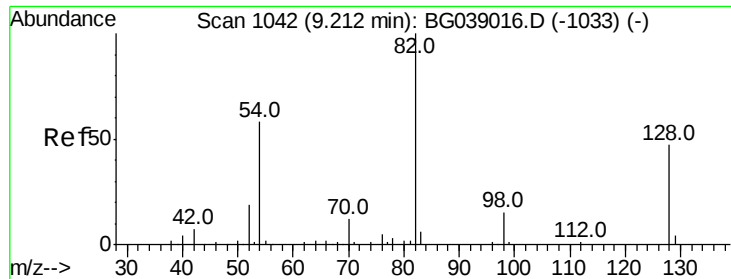
Tot Ion: 70 Resp: 14546
Ion Ratio Lower Upper
70 100
42 51.2 59.0 88.4#
101 0.0 10.4 15.6#
130 5.0 21.6 32.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. 0.00 min
Lab File: BG039033.D
Acq: 9 Jan 2019 23:05

Tgt Ion: 136 Resp: 82291
Ion Ratio Lower Upper
136 100
137 11.7 9.4 14.2
54 8.7 7.2 10.8
68 4.1 3.5 5.3

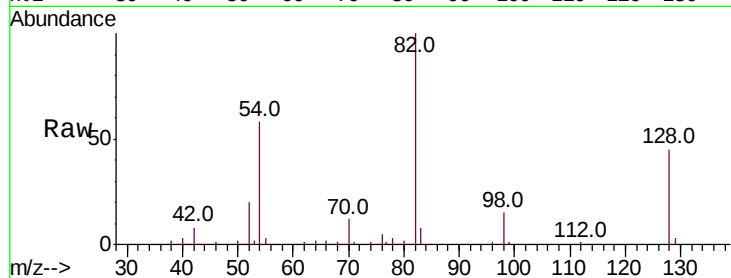




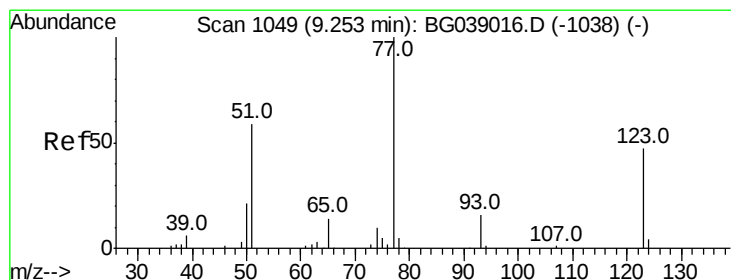
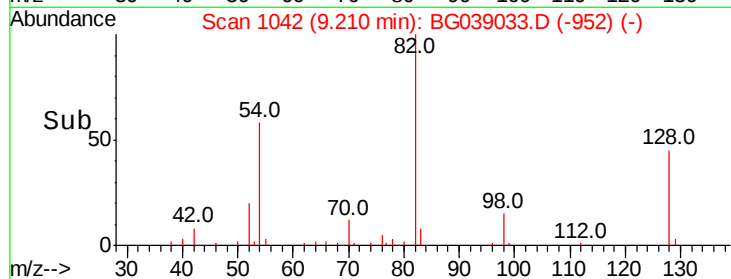
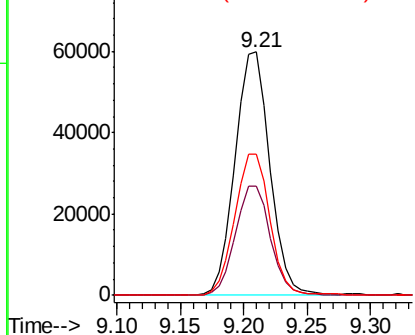
#23
 Nitrobenzene-d5
 Concen: 75.945 ng
 RT: 9.21 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: BG039033.D
 Acq: 9 Jan 2019 23:05

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:	82	Resp:	114211
Ion	Ratio	Lower	Upper
82	100		
128	44.6	37.3	55.9
54	58.3	46.4	69.6

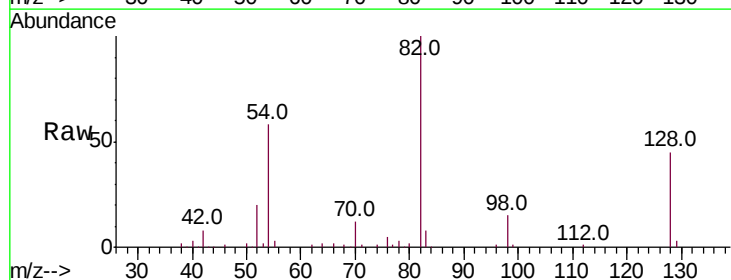


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

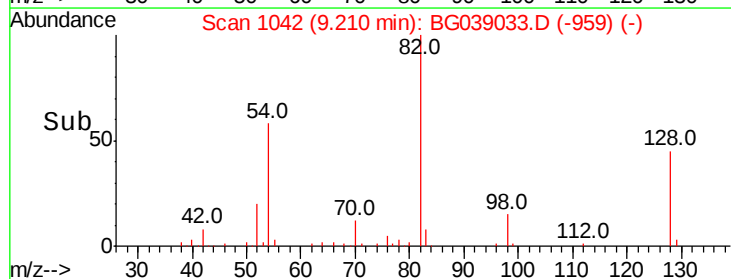
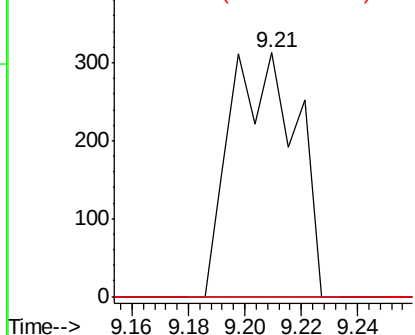


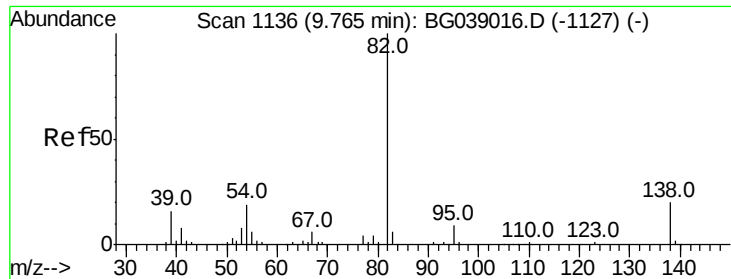
#24
 Nitrobenzene
 Concen: 0.336 ng
 RT: 9.21 min Scan# 1042
 Delta R.T. -0.04 min
 Lab File: BG039033.D
 Acq: 9 Jan 2019 23:05

Tgt Ion:	77	Resp:	511
Ion	Ratio	Lower	Upper
77	100		
123	0.0	37.6	56.4#
65	0.0	11.0	16.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 123.00 (122.70 to 123.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC





#25

Isophorone

Concen: 0.064 ng

RT: 9.32 min Scan# 1061

Delta R.T. -0.44 min

Lab File: BG039033.D

Acq: 9 Jan 2019 23:05

Instrument :

BNA_G

ClientSampled :

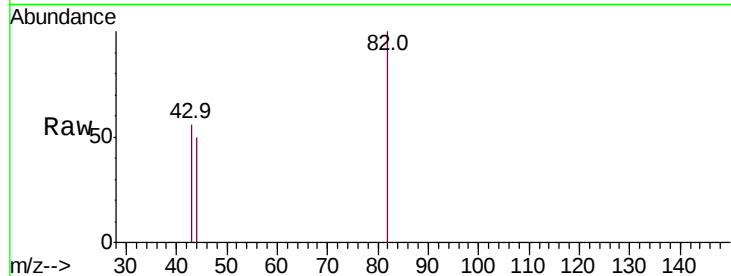
Tot Ion: 82 Resp: 167

Ion Ratio Lower Upper

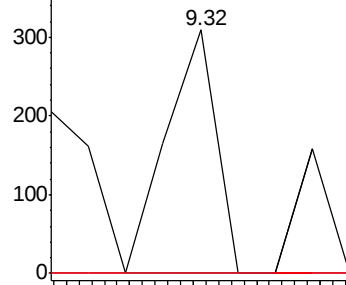
82 100

95 0.0 7.0 10.6#

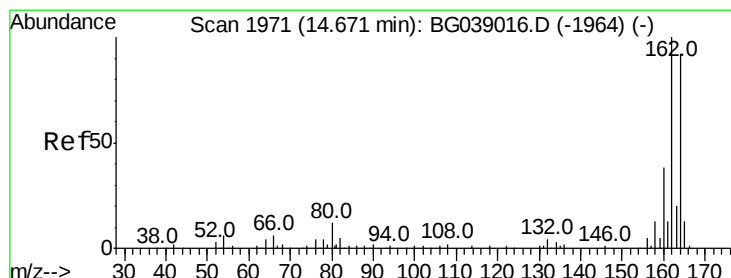
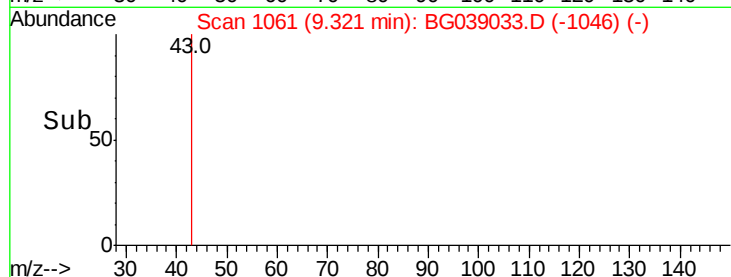
138 0.0 16.2 24.4#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1972

Delta R.T. 0.00 min

Lab File: BG039033.D

Acq: 9 Jan 2019 23:05

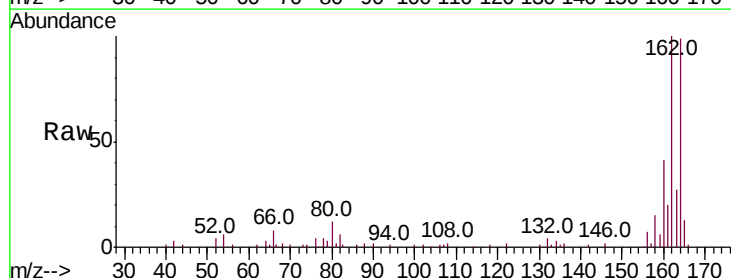
Tgt Ion:164 Resp: 61115

Ion Ratio Lower Upper

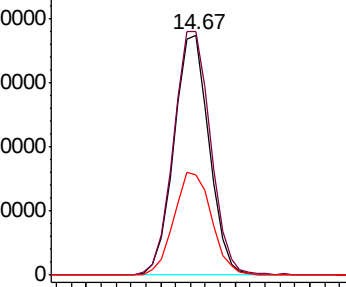
164 100

162 101.3 87.2 130.8

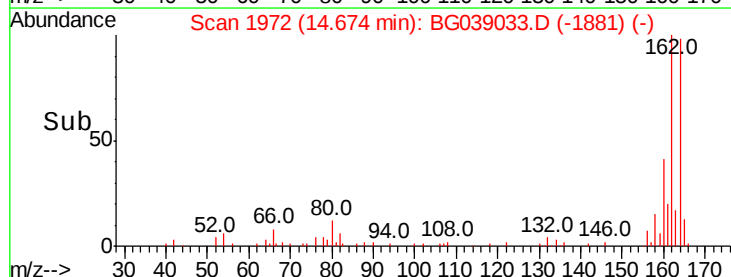
160 41.9 33.3 49.9

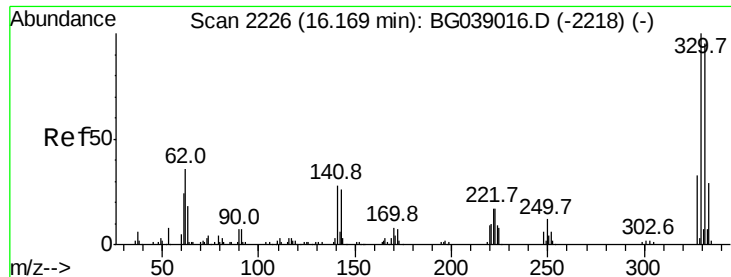


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time-->





#42

2,4,6-Tribromophenol

Concen: 121.988 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.00 min

Lab File: BG039033.D

Acq: 9 Jan 2019 23:05

Instrument :

BNA_G

ClientSampleId :

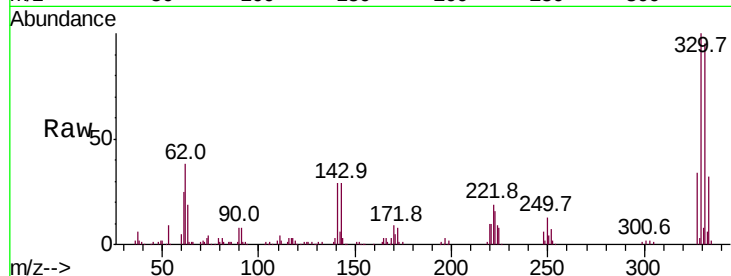
Tot Ion:330 Resp: 124971

Ion Ratio Lower Upper

330 100

332 94.5 75.7 113.5

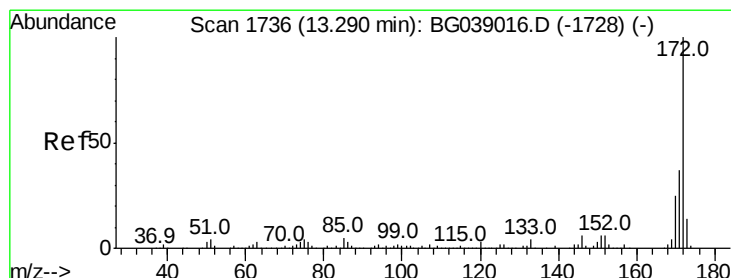
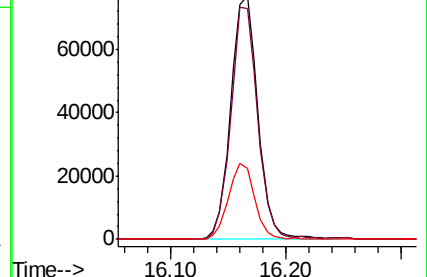
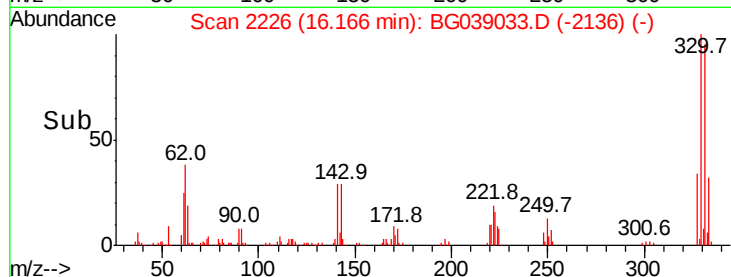
141 30.7 24.9 37.3



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: 66.425 ng

RT: 13.29 min Scan# 1736

Delta R.T. -0.00 min

Lab File: BG039033.D

Acq: 9 Jan 2019 23:05

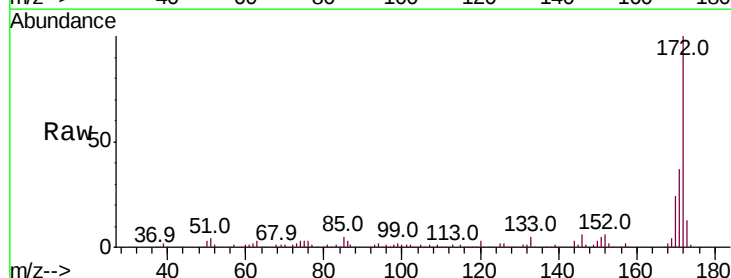
Tgt Ion:172 Resp: 296628

Ion Ratio Lower Upper

172 100

171 36.7 29.4 44.0

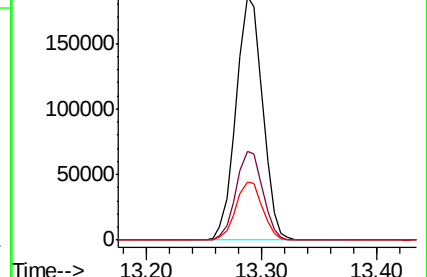
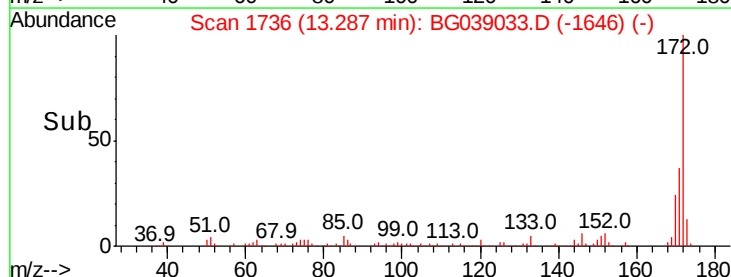
170 23.7 20.1 30.1

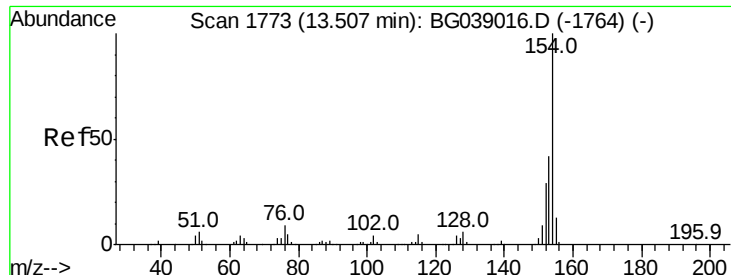


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

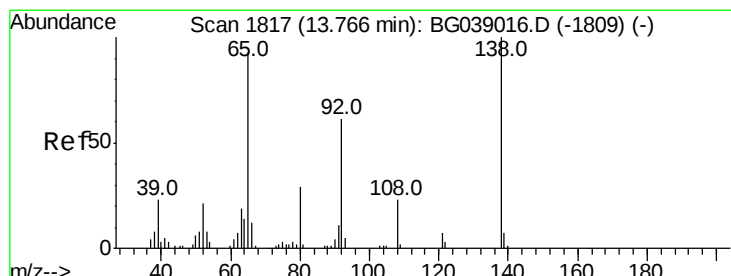
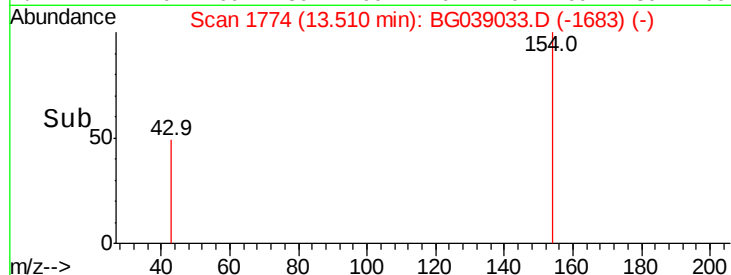
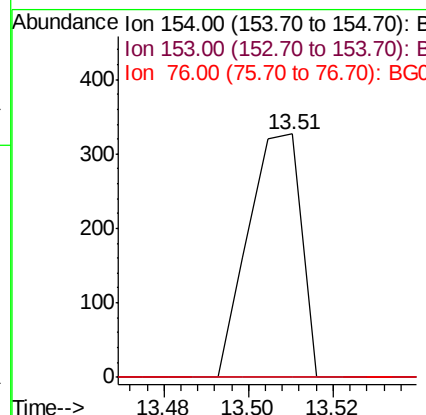
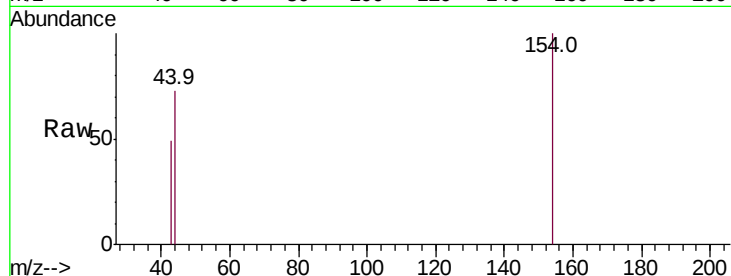




#46
 1,1'-Biphenyl
 Concen: 0.059 ng
 RT: 13.51 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: BG039033.D
 Acq: 9 Jan 2019 23:05

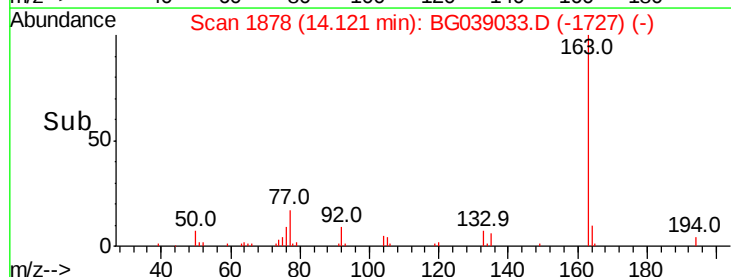
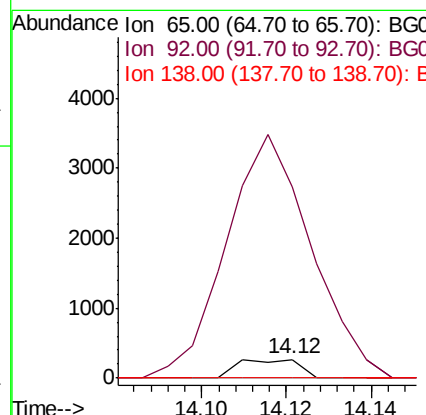
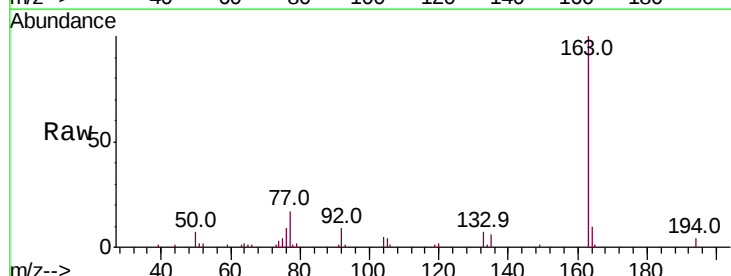
Instrument :
 BNA_G
 ClientSampleId :

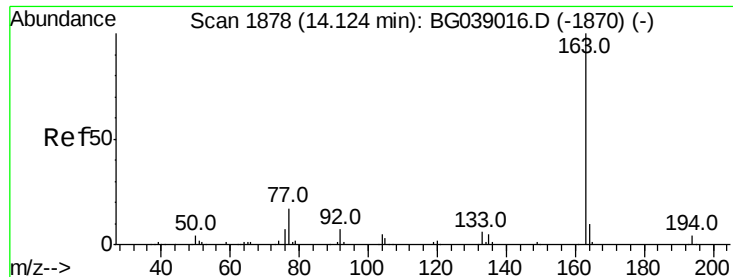
Tot Ion:154 Resp: 285
 Ion Ratio Lower Upper
 154 100
 153 0.0 22.4 62.4#
 76 0.0 0.0 29.4



#48
 2-Nitroaniline
 Concen: 0.240 ng
 RT: 14.12 min Scan# 1878
 Delta R.T. 0.36 min
 Lab File: BG039033.D
 Acq: 9 Jan 2019 23:05

Tgt Ion: 65 Resp: 263
 Ion Ratio Lower Upper
 65 100
 92 1011.1 52.2 78.4#
 138 0.0 86.0 129.0#





#50

Dimethylphthalate

Concen: 10.646 ng

RT: 14.12 min Scan# 1877

Delta R.T. -0.01 min

Lab File: BG039033.D

Acq: 9 Jan 2019 23:05

Instrument :

BNA_G

ClientSampleId :

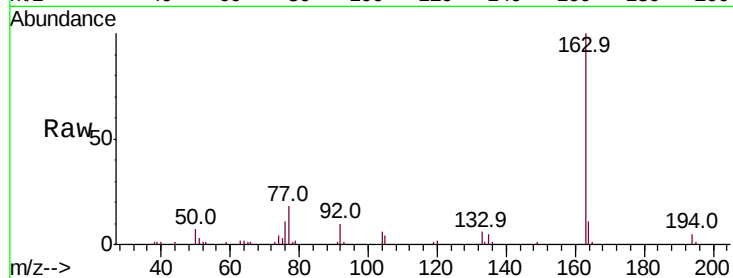
Tot Ion:163 Resp: 54981

Ion Ratio Lower Upper

163 100

194 4.7 3.6 5.4

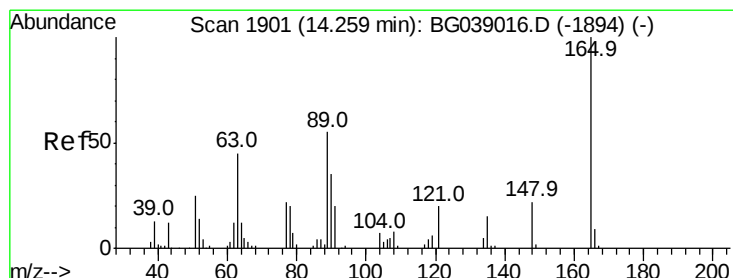
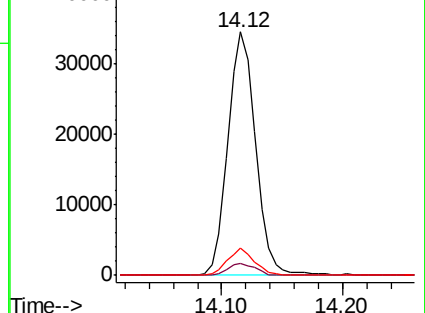
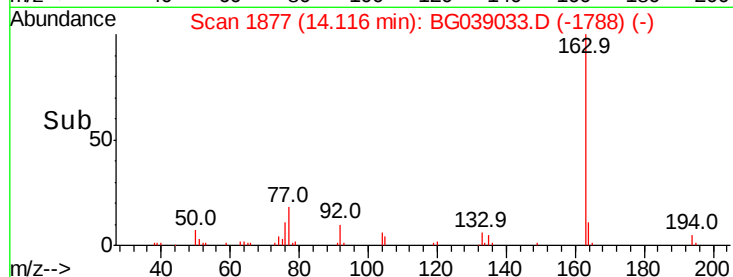
164 11.0 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 0.326 ng

RT: 14.12 min Scan# 1877

Delta R.T. -0.14 min

Lab File: BG039033.D

Acq: 9 Jan 2019 23:05

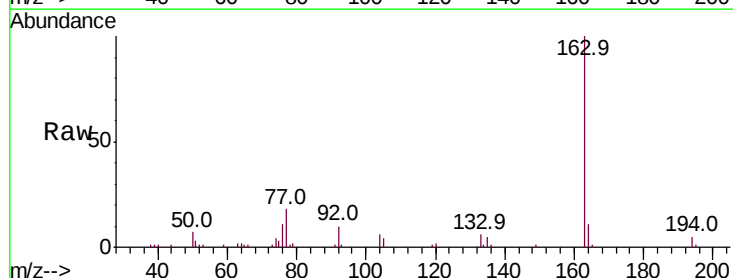
Tgt Ion:165 Resp: 376

Ion Ratio Lower Upper

165 100

63 117.9 43.6 65.4#

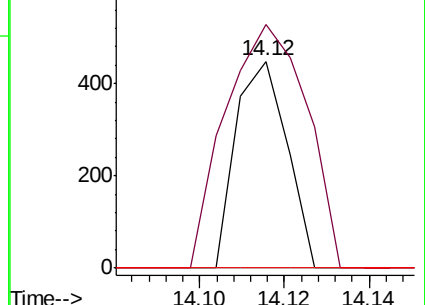
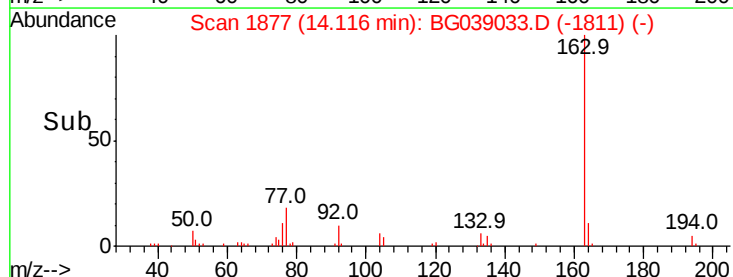
89 0.0 43.7 65.5#

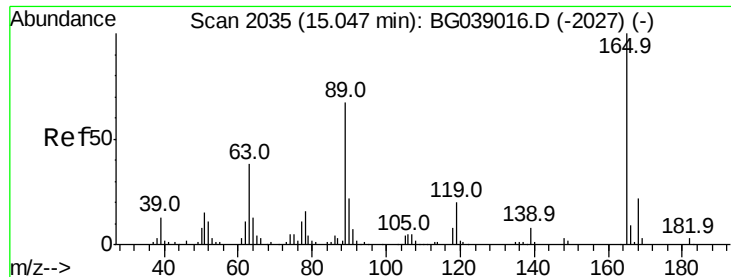


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

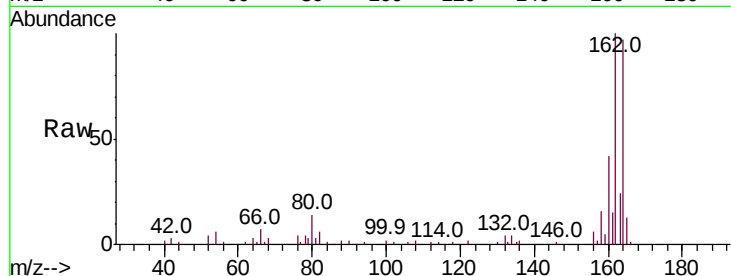




#57
2,4-Dinitrotoluene
Concen: 4.842 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.38 min
Lab File: BG039033.D
Acq: 9 Jan 2019 23:05

Instrument :
BNA_G
ClientSampleId :

Tot 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#



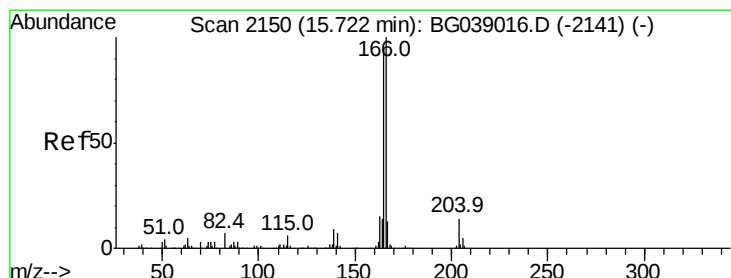
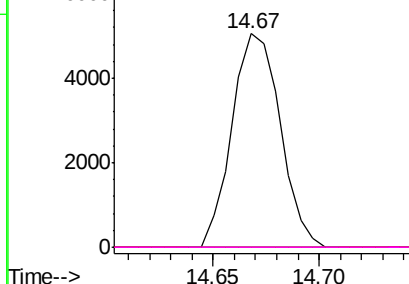
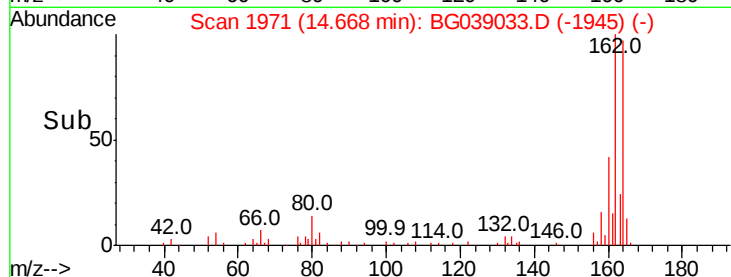
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

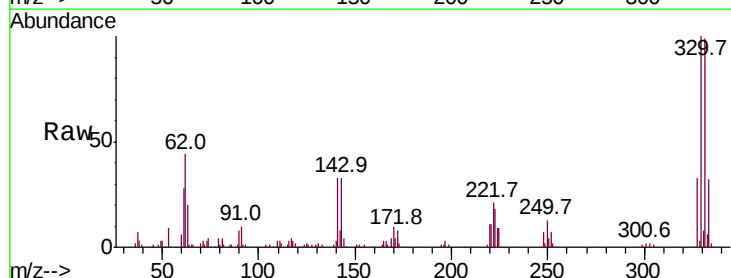
Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 0.767 ng
RT: 16.16 min Scan# 2225
Delta R.T. 0.44 min
Lab File: BG039033.D
Acq: 9 Jan 2019 23:05

Tgt Ion	Ratio	Lower	Upper
166	100		
165	68.6	76.2	114.2#
167	27.7	10.6	16.0#

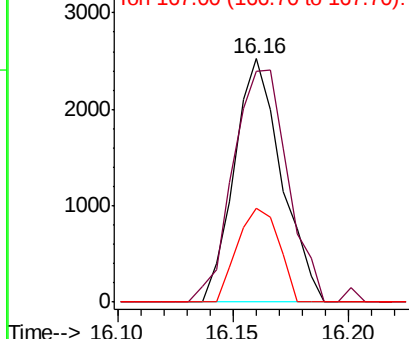
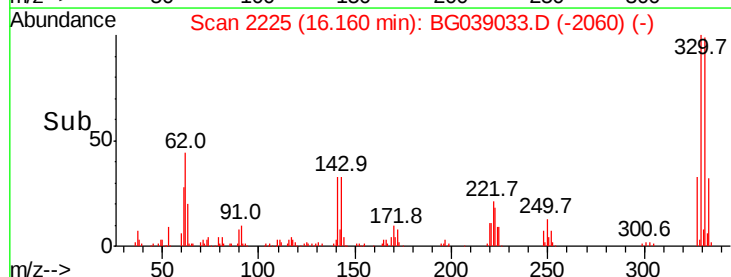


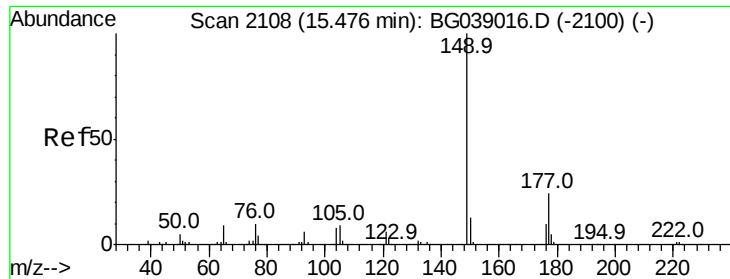
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#60

Diethylphthalate

Concen: 0.048 ng

RT: 15.47 min Scan# 2108

Delta R.T. -0.00 min

Lab File: BG039033.D

Acq: 9 Jan 2019 23:05

Instrument :

BNA_G

ClientSampleId :

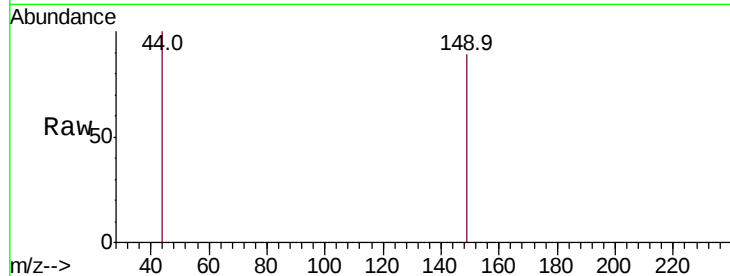
Tot Ion:149 Resp: 253

Ion Ratio Lower Upper

149 100

177 0.0 19.0 28.6#

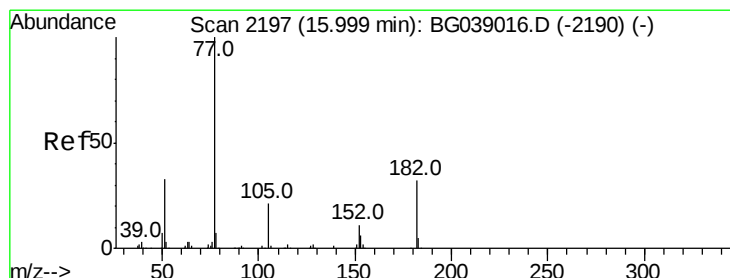
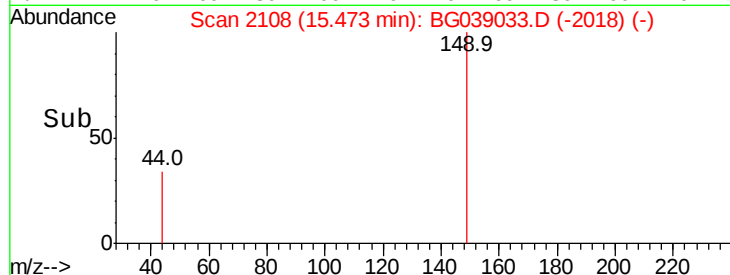
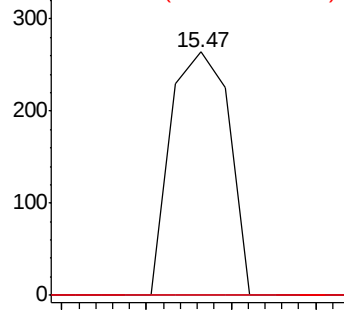
150 0.0 10.2 15.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#63

Azobenzene

Concen: 0.103 ng

RT: 16.15 min Scan# 2224

Delta R.T. 0.16 min

Lab File: BG039033.D

Acq: 9 Jan 2019 23:05

Tgt Ion: 77 Resp: 427

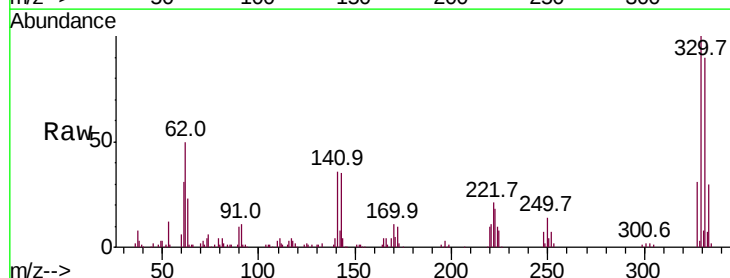
Ion Ratio Lower Upper

77 100

182 0.0 12.2 52.2#

105 89.1 1.2 41.2#

51 54.1 13.4 53.4#

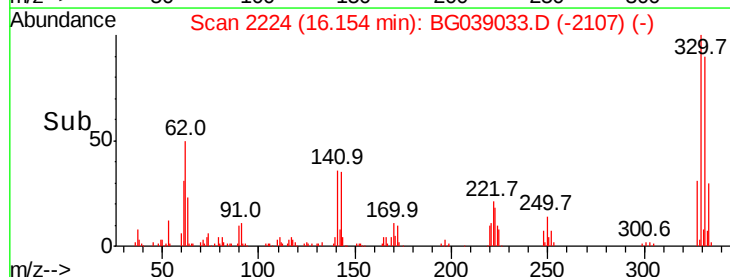
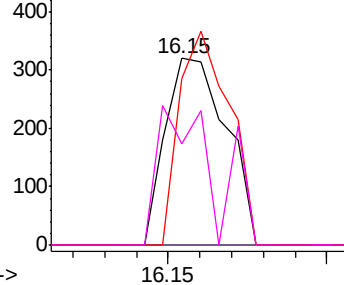


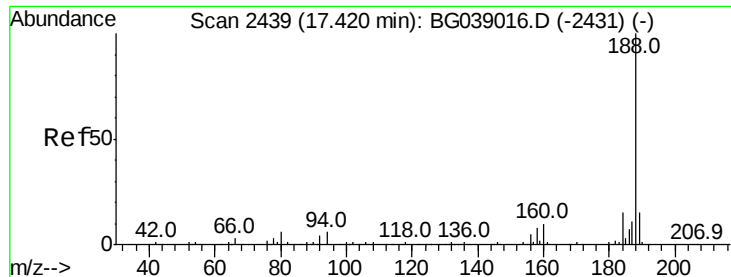
Abundance Ion 77.00 (76.70 to 77.70): BG

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BG





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.00 min

Lab File: BG039033.D

Acq: 9 Jan 2019 23:05

Instrument :

BNA_G

ClientSampled :

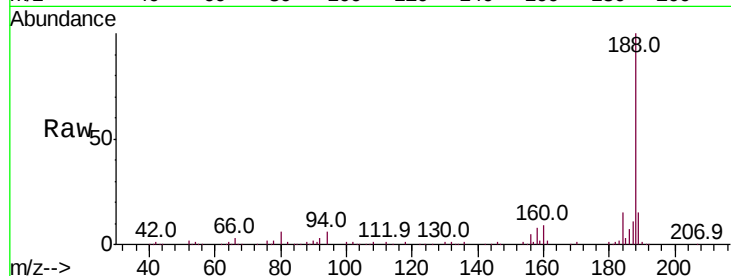
Tot Ion:188 Resp: 171103

Ion Ratio Lower Upper

188 100

94 6.1 5.0 7.4

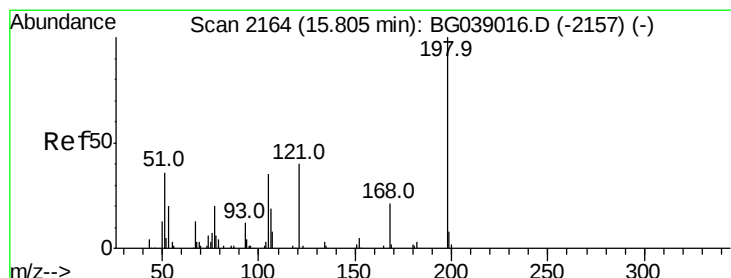
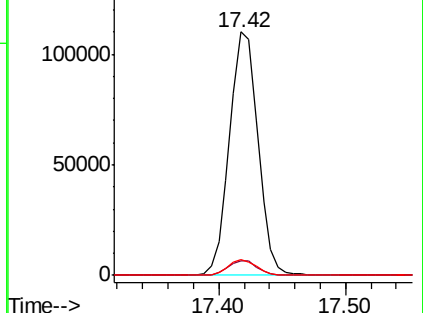
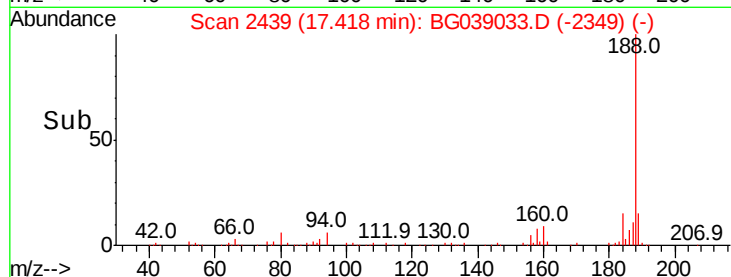
80 6.3 4.7 7.1



Abundance Ion 188.00 (187.70 to 188.70): E

150000 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: 0.204 ng

RT: 16.17 min Scan# 2226

Delta R.T. 0.36 min

Lab File: BG039033.D

Acq: 9 Jan 2019 23:05

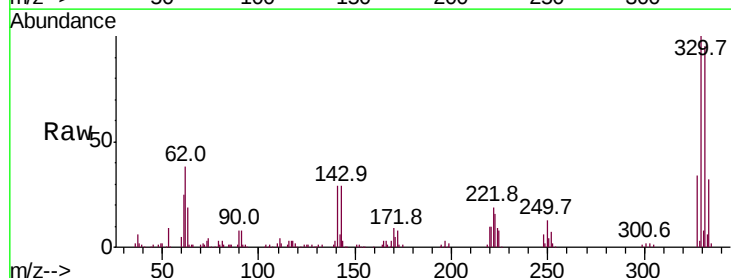
Tgt Ion:198 Resp: 258

Ion Ratio Lower Upper

198 100

51 0.0 20.8 60.8#

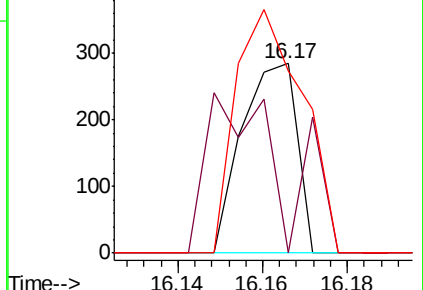
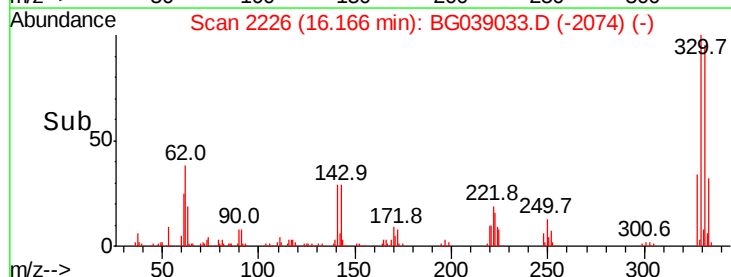
105 18.7 16.1 56.1

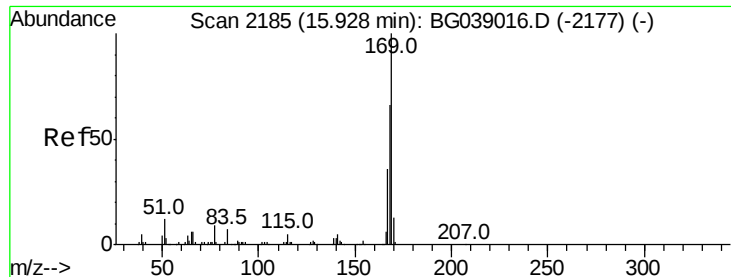


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

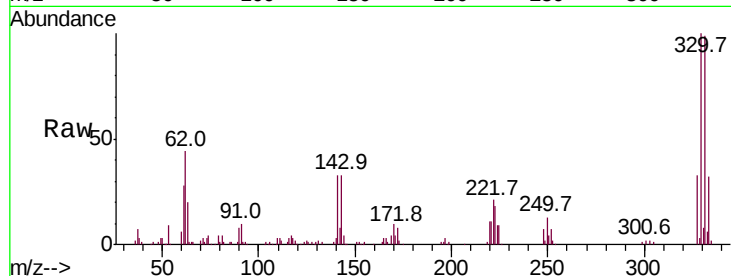




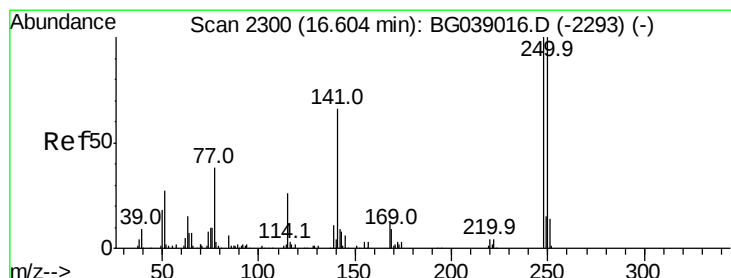
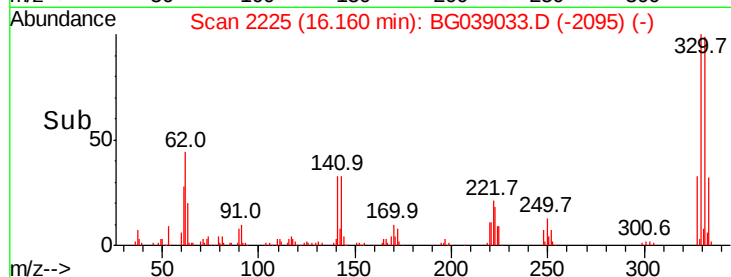
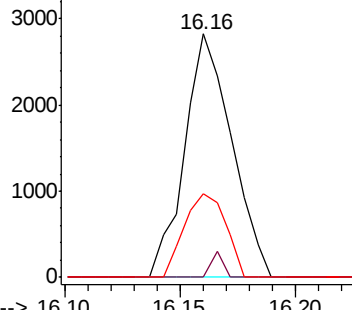
#66
 n-Nitrosodiphenylamine
 Concen: 0.793 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. 0.23 min
 Lab File: BG039033.D
 Acq: 9 Jan 2019 23:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:169 Resp: 4023
 Ion Ratio Lower Upper
 169 100
 168 0.0 53.2 79.8#
 167 34.3 29.1 43.7

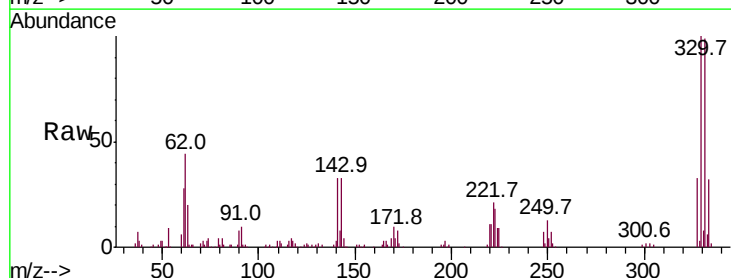


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

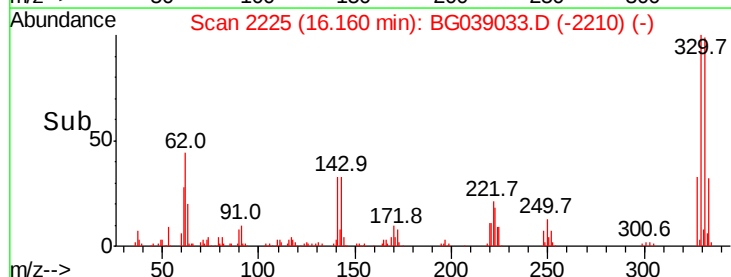
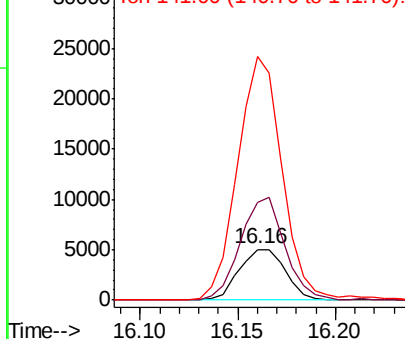


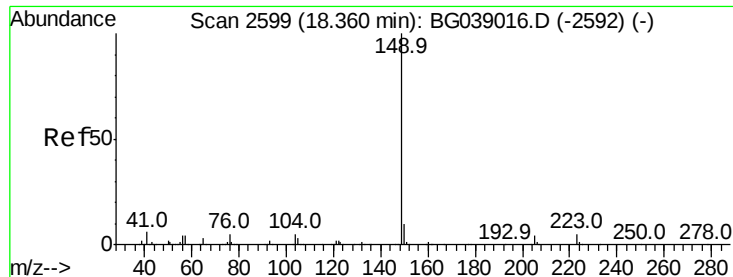
#67
 4-Bromophenyl-phenylether
 Concen: 3.751 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.44 min
 Lab File: BG039033.D
 Acq: 9 Jan 2019 23:05

Tgt Ion:248 Resp: 8251
 Ion Ratio Lower Upper
 248 100
 250 185.7 79.9 119.9#
 141 361.0 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





#74

Di-n-butylphthalate

Concen: 0.090 ng

RT: 18.35 min Scan# 2598

Delta R.T. -0.01 min

Lab File: BG039033.D

Acq: 9 Jan 2019 23:05

Instrument :

BNA_G

ClientSampleId :

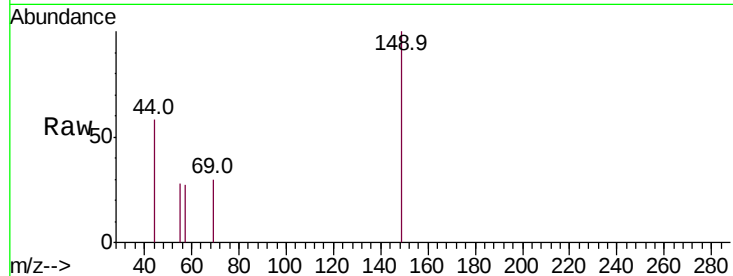
Tot Ion:149 Resp: 887

Ion Ratio Lower Upper

149 100

150 0.0 7.9 11.9#

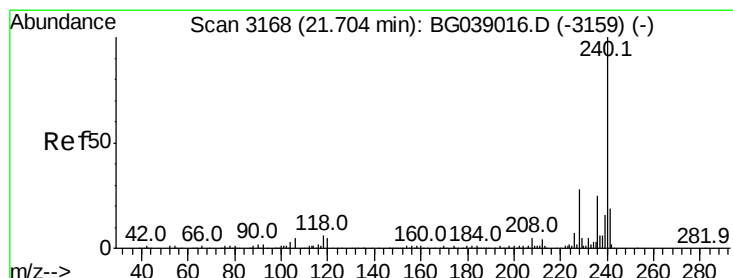
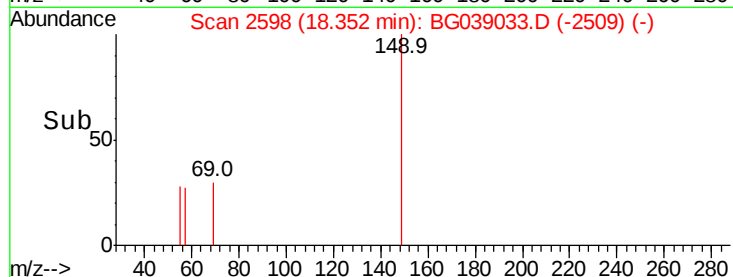
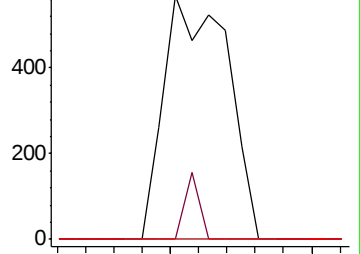
104 0.0 4.2 6.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3167

Delta R.T. -0.01 min

Lab File: BG039033.D

Acq: 9 Jan 2019 23:05

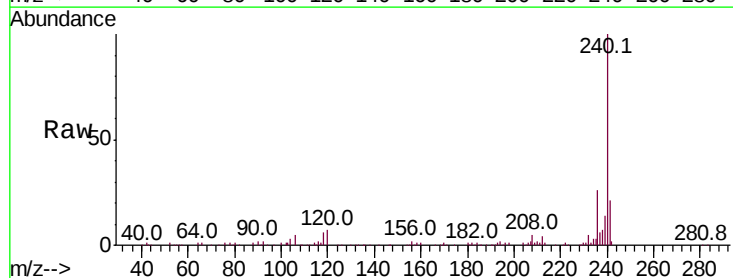
Tgt Ion:240 Resp: 179379

Ion Ratio Lower Upper

240 100

120 7.3 4.3 6.5#

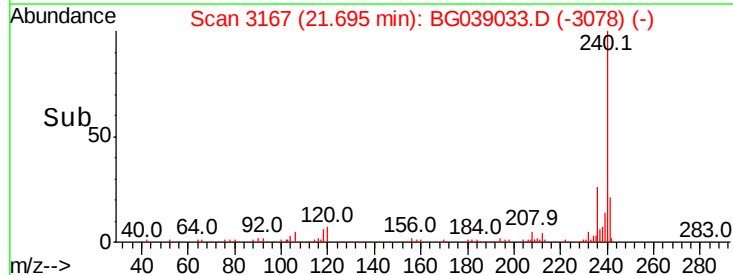
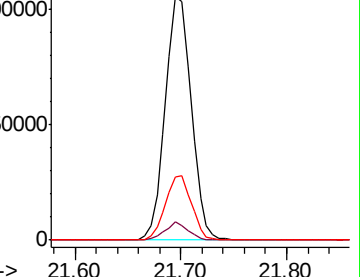
236 26.0 20.1 30.1

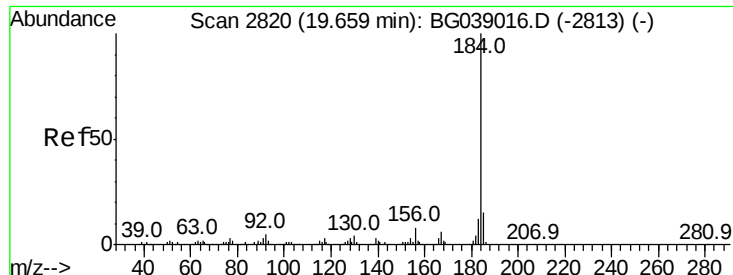


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 1.751 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.36 min

Lab File: BG039033.D

Acq: 9 Jan 2019 23:05

Instrument :

BNA_G

ClientSampled :

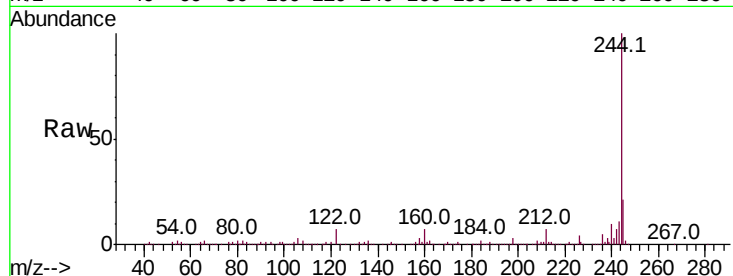
Tot Ion:184 Resp: 9607

Ion Ratio Lower Upper

184 100

185 16.5 12.1 18.1

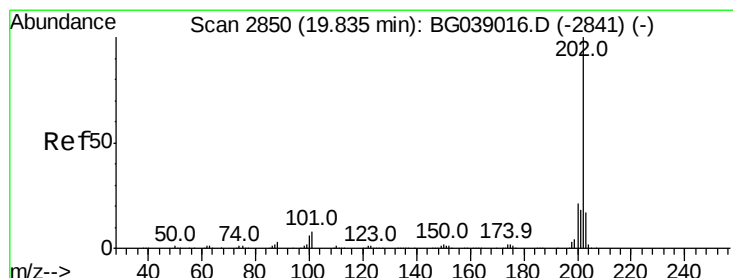
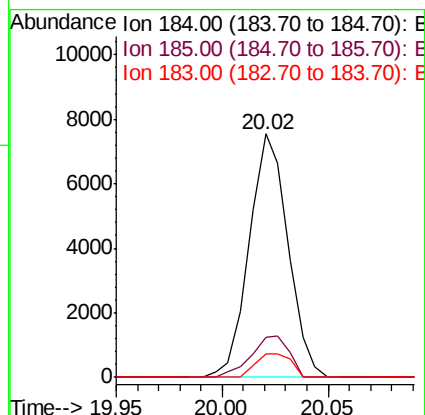
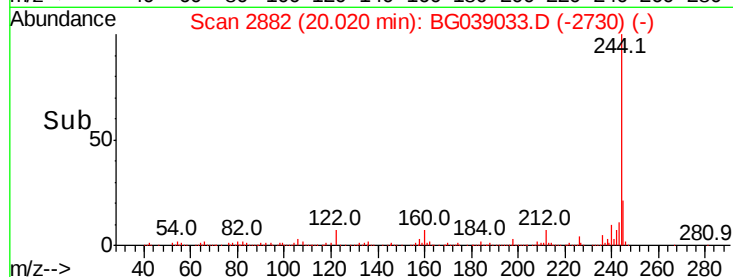
183 9.8 9.5 14.3



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



#78

Pyrene

Concen: 0.186 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.19 min

Lab File: BG039033.D

Acq: 9 Jan 2019 23:05

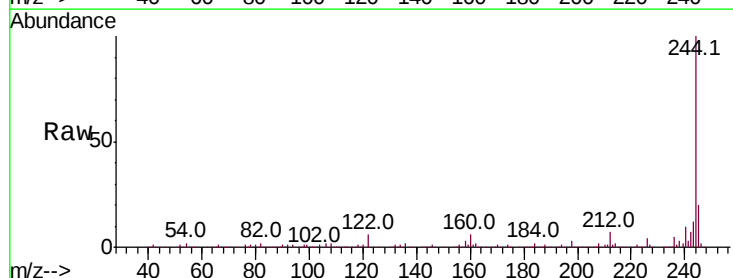
Tgt Ion:202 Resp: 2125

Ion Ratio Lower Upper

202 100

200 42.5 17.0 25.6#

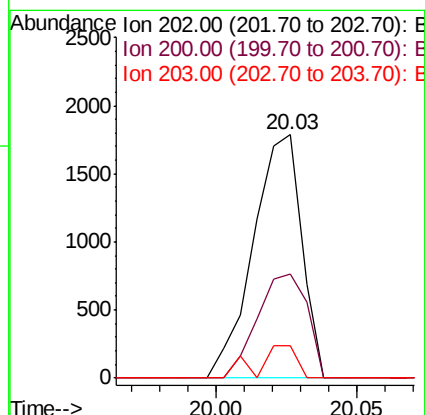
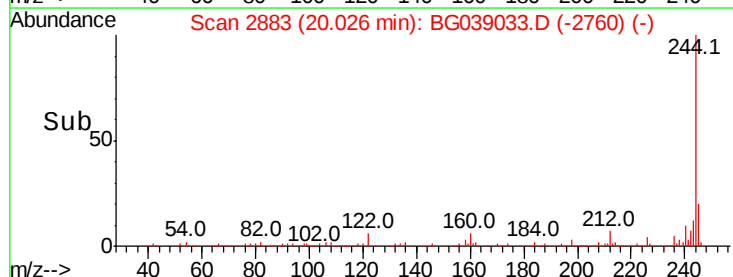
203 13.1 14.0 21.0#

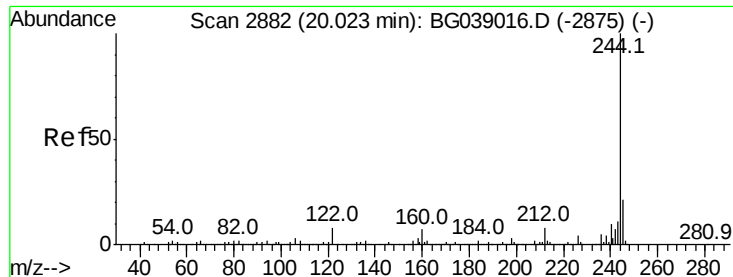


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 61.693 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BG039033.D

Acq: 9 Jan 2019 23:05

Instrument :

BNA_G

ClientSampleId :

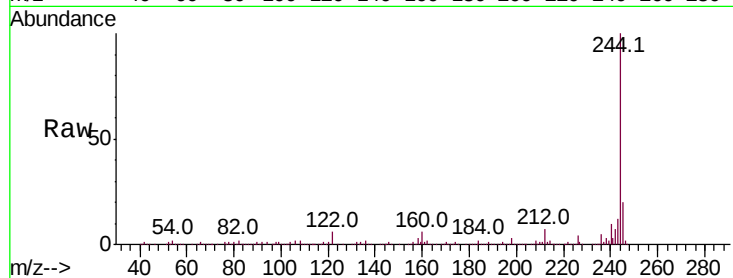
Tot Ion:244 Resp: 598223

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

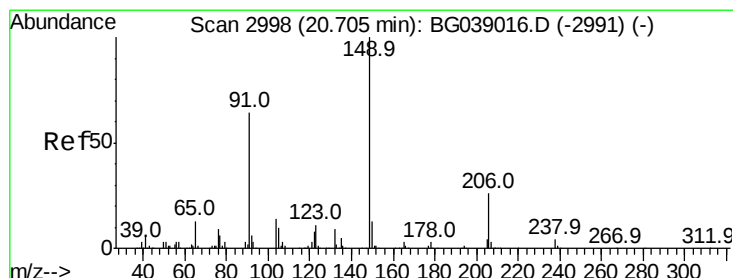
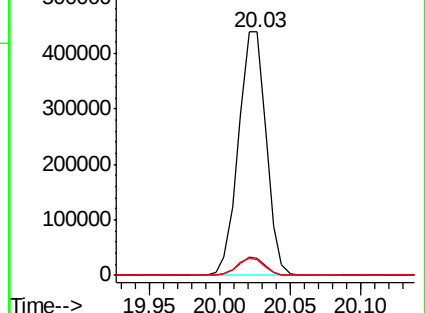
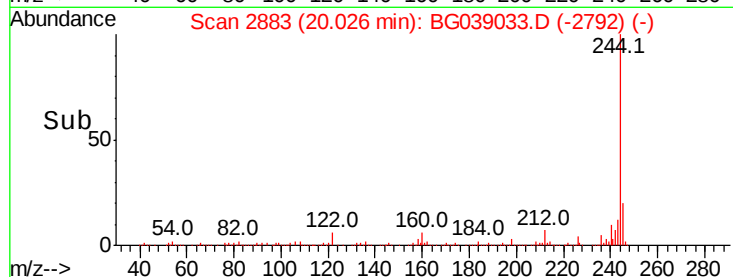
122 6.5 6.1 9.1



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



#80

Butylbenzylphthalate

Concen: 0.014 ng

RT: 20.75 min Scan# 3006

Delta R.T. 0.04 min

Lab File: BG039033.D

Acq: 9 Jan 2019 23:05

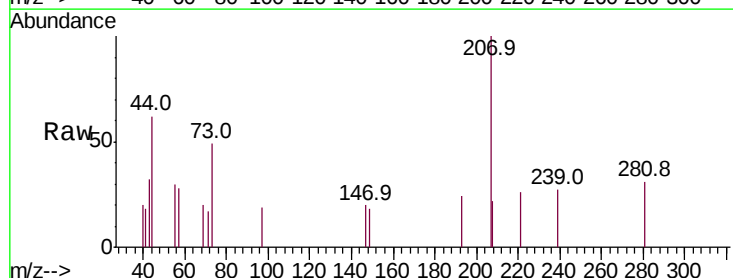
Tgt Ion:149 Resp: 62

Ion Ratio Lower Upper

149 100

91 0.0 51.4 77.0#

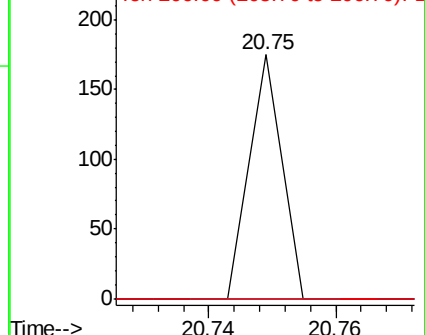
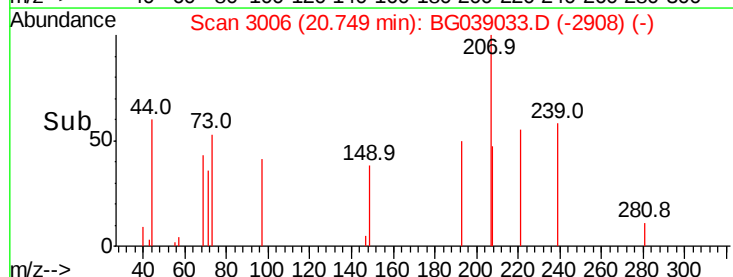
206 0.0 20.4 30.6#

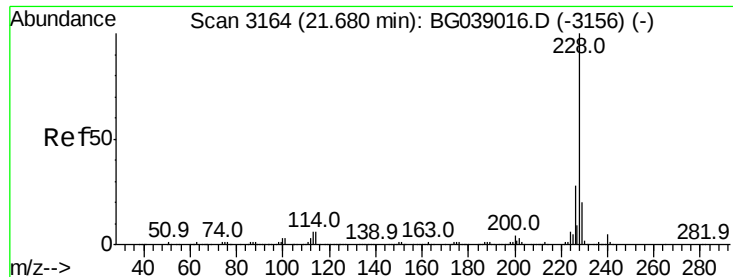


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.048 ng

RT: 21.69 min Scan# 3167

Delta R.T. 0.01 min

Lab File: BG039033.D

Acq: 9 Jan 2019 23:05

Instrument :

BNA_G

ClientSampled :

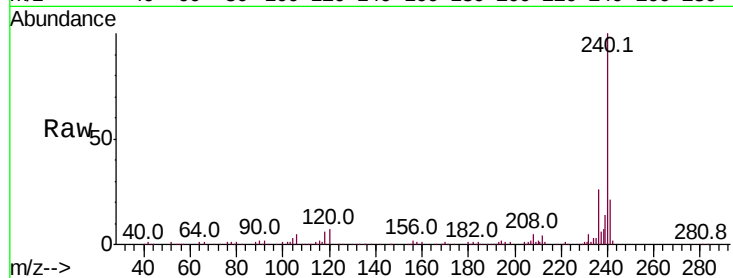
Tot Ion:228 Resp: 529

Ion Ratio Lower Upper

228 100

226 0.0 22.4 33.6#

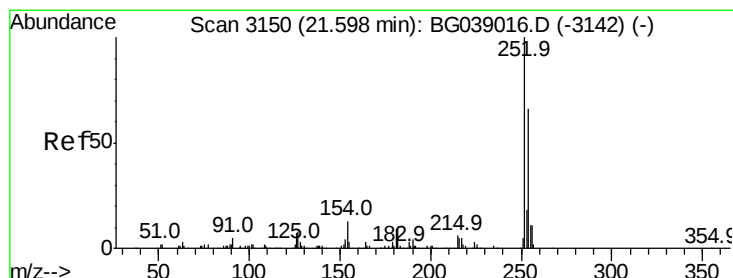
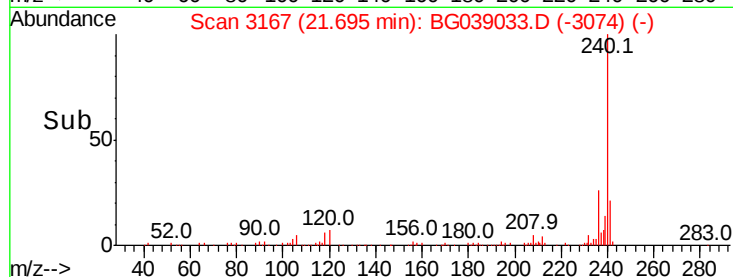
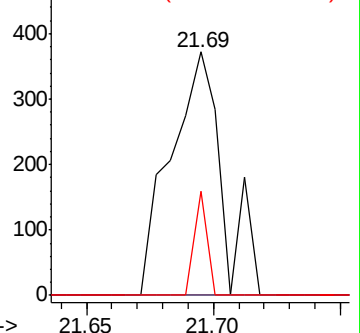
229 43.0 16.2 24.2#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 0.015 ng

RT: 21.61 min Scan# 3153

Delta R.T. 0.01 min

Lab File: BG039033.D

Acq: 9 Jan 2019 23:05

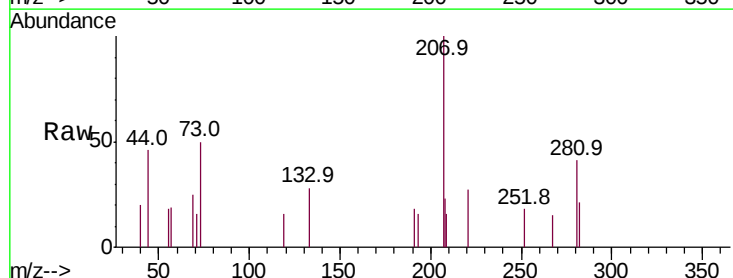
Tgt Ion:252 Resp: 65

Ion Ratio Lower Upper

252 100

254 0.0 53.0 79.6#

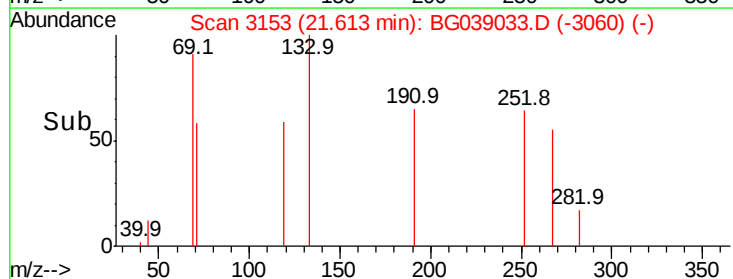
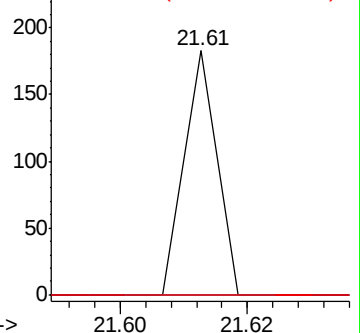
126 0.0 6.0 9.0#

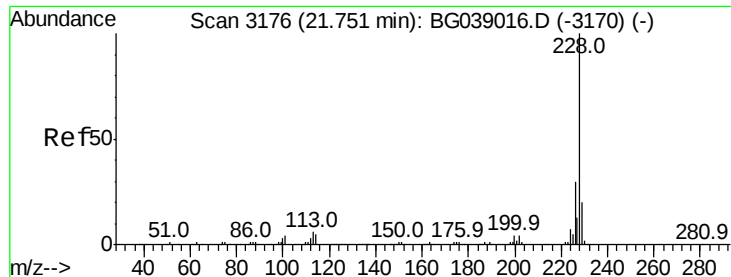


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 0.051 ng

RT: 21.69 min Scan# 3167

Delta R.T. -0.06 min

Lab File: BG039033.D

Acq: 9 Jan 2019 23:05

Instrument :

BNA_G

ClientSampled :

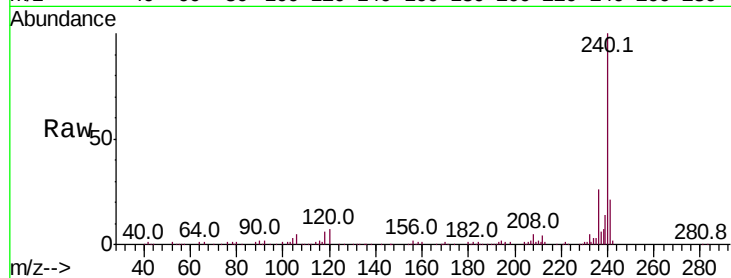
Tot Ion:228 Resp: 529

Ion Ratio Lower Upper

228 100

226 0.0 24.1 36.1#

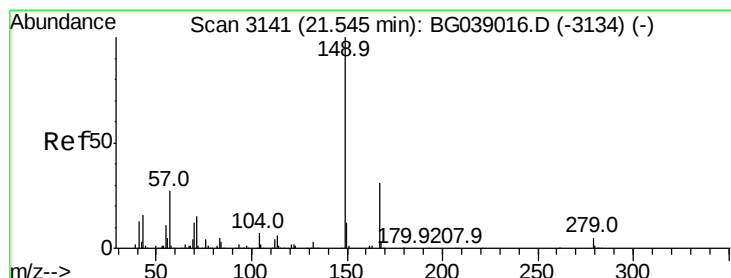
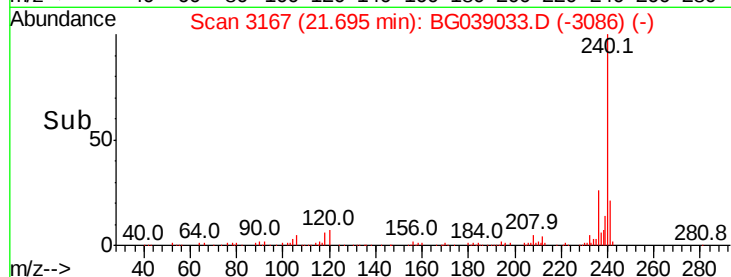
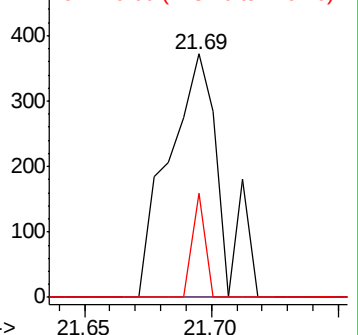
229 43.0 16.0 24.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.144 ng

RT: 21.55 min Scan# 3142

Delta R.T. 0.00 min

Lab File: BG039033.D

Acq: 9 Jan 2019 23:05

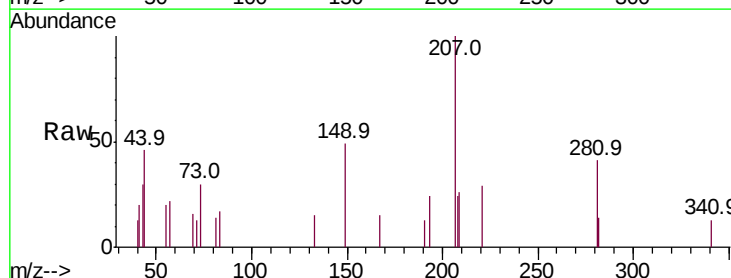
Tgt Ion:149 Resp: 872

Ion Ratio Lower Upper

149 100

167 30.6 25.0 37.4

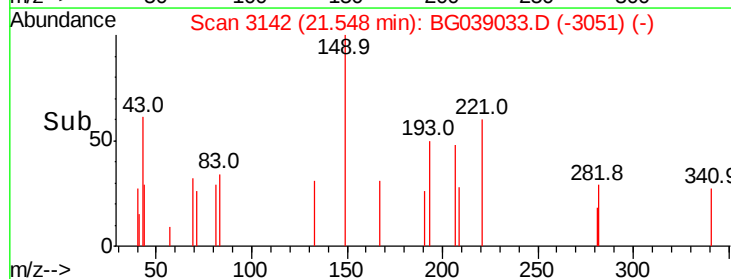
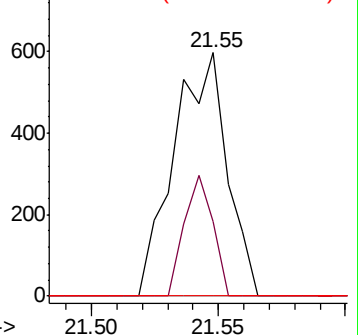
279 0.0 4.3 6.5#

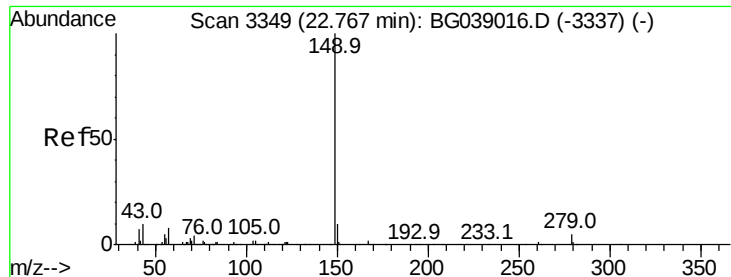


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 0.005 ng

RT: 22.75 min Scan# 3347

Delta R.T. -0.01 min

Lab File: BG039033.D

Acq: 9 Jan 2019 23:05

Instrument :

BNA_G

ClientSampled :

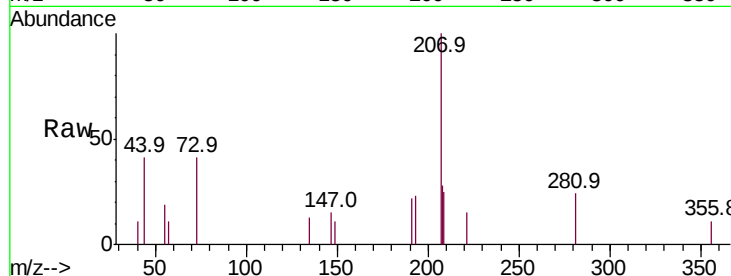
Tot Ion:149 Resp: 55

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

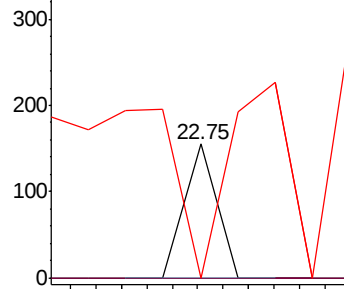
43 269.1 7.5 11.3#



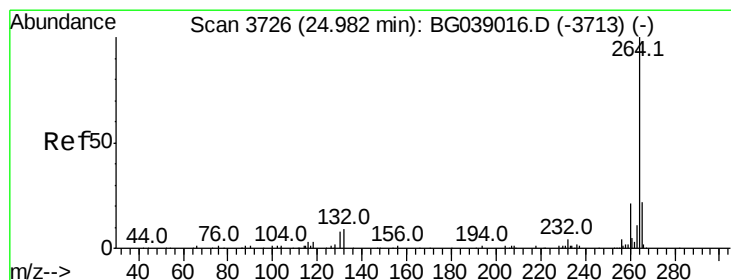
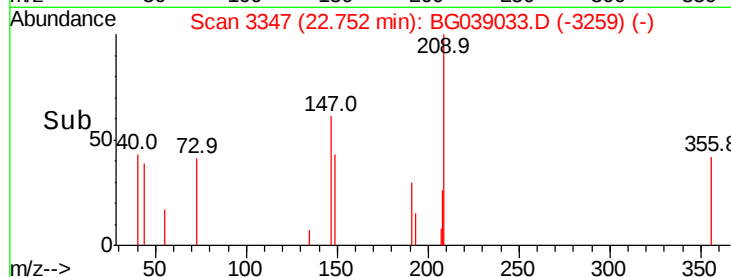
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.98 min Scan# 3726

Delta R.T. -0.00 min

Lab File: BG039033.D

Acq: 9 Jan 2019 23:05

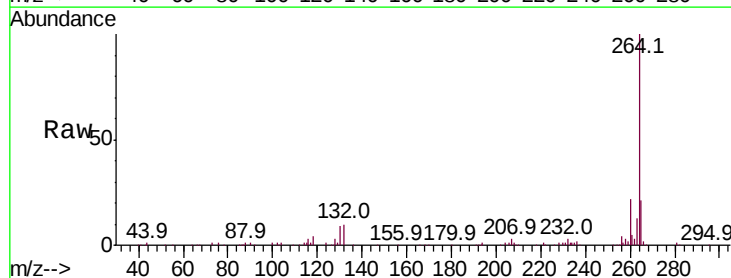
Tgt Ion:264 Resp: 193595

Ion Ratio Lower Upper

264 100

260 22.0 17.0 25.6

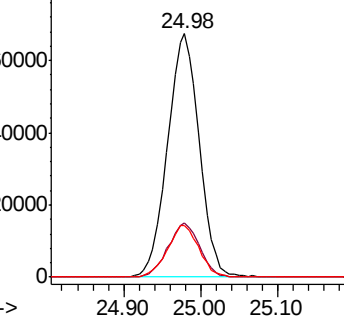
265 21.1 17.2 25.8



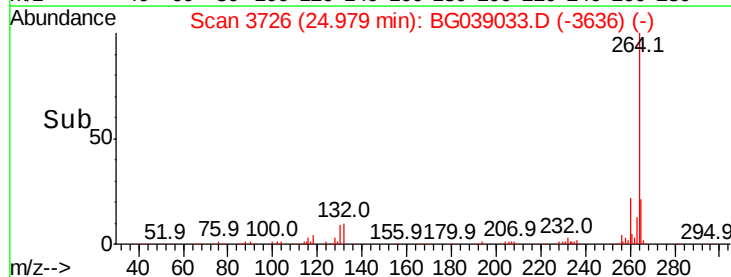
Abundance Ion 264.00 (263.70 to 264.70): E

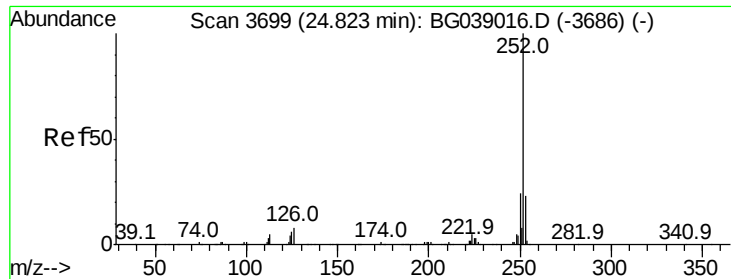
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->





#90

Benzo(a)pyrene

Concen: 0.055 ng

RT: 24.99 min Scan# 3727

Delta R.T. 0.16 min

Lab File: BG039033.D

Acq: 9 Jan 2019 23:05

Instrument :

BNA_G

ClientSampleId :

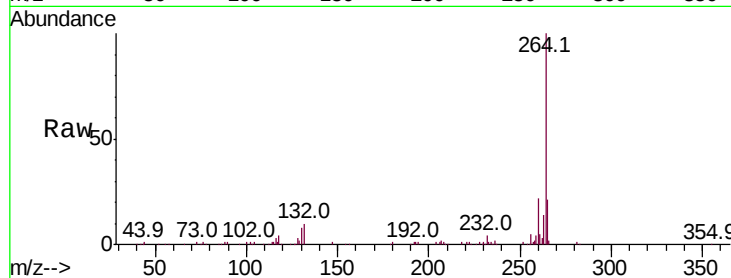
Tot Ion:252 Resp: 566

Ion Ratio Lower Upper

252 100

253 0.0 18.3 27.5#

125 0.0 4.9 7.3#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

