

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG012319\
 Data File : BG039273.D
 Acq On : 23 Jan 2019 21:26
 Operator : JU/SJ
 Sample : PB116574TB
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB116574TB

Quant Time: Jan 24 00:17:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 18 04:20:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	17282	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	54661	20.00	ng	-0.01
39) Acenaphthene-d10	14.65	164	42208	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	111150	20.00	ng	-0.01
76) Chrysene-d12	21.66	240	111395	20.00	ng	-0.02
87) Perylene-d12	24.93	264	112972	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	129223	141.84	ng	0.00
7) Phenol-d6	7.17	99	178759	136.34	ng	0.00
23) Nitrobenzene-d5	9.19	82	90773	90.87	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	53626	75.79	ng	-0.01
45) 2-Fluorobiphenyl	13.27	172	227441	73.75	ng	0.00
79) Terphenyl-d14	20.00	244	479625	79.65	ng	0.00

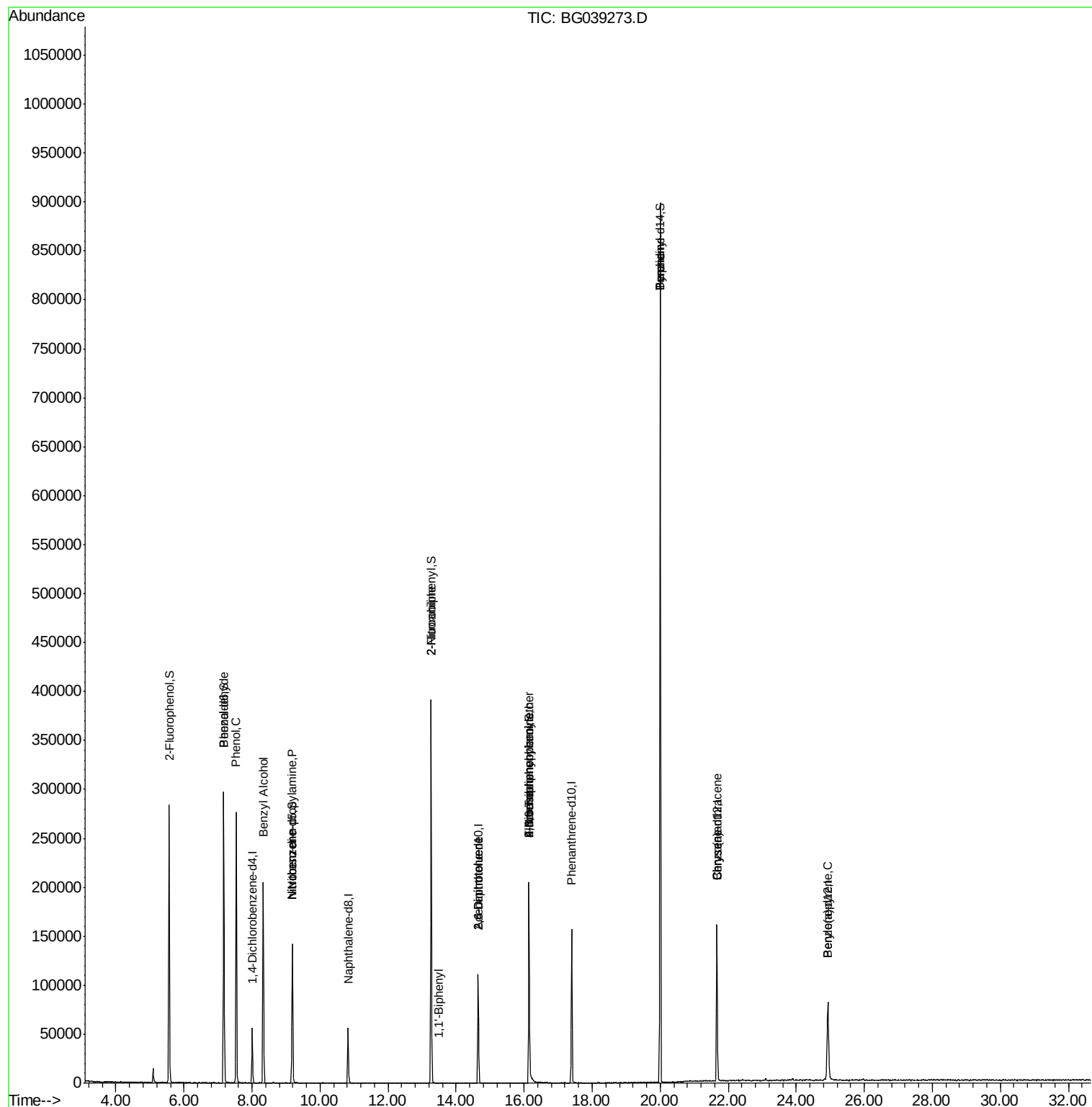
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.18	77	71	0.094	ng	# 1
10) Phenol	7.54	94	210	0.160	ng	# 1
15) Benzyl Alcohol	8.33	79	1677	1.698	ng	# 64
19) n-Nitroso-di-n-propylamine	9.19	70	11680	13.566	ng	# 68
24) Nitrobenzene	9.18	77	69	0.068	ng	# 38
46) 1,1'-Biphenyl	13.49	154	132	0.039	ng	# 41
48) 2-Nitroaniline	13.26	65	141	0.186	ng	# 1
51) 2,6-Dinitrotoluene	14.65	165	5538	6.945	ng	# 24
57) 2,4-Dinitrotoluene	14.65	165	5538	4.841	ng	# 26
58) Fluorene	16.14	166	1413	0.435	ng	# 88
66) n-Nitrosodiphenylamine	16.14	169	1571	0.477	ng	# 43
67) 4-Bromophenyl-phenylether	16.14	248	3372	2.360	ng	# 1
77) Benzidine	20.00	184	7346	2.156	ng	# 93
78) Pyrene	20.00	202	1675	0.236	ng	# 70
81) Benzo(a)anthracene	21.66	228	67	0.010	ng	# 51
83) Chrysene	21.66	228	67	0.010	ng	# 49
90) Benzo(a)pyrene	24.93	252	55	0.009	ng	# 59

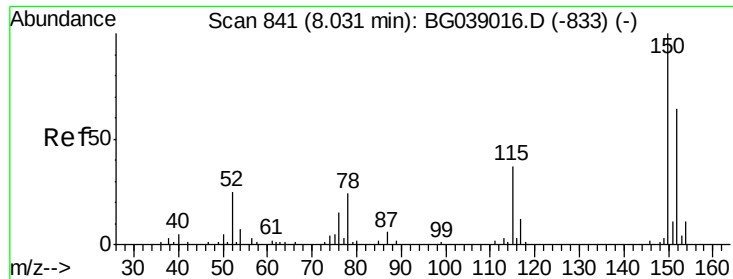
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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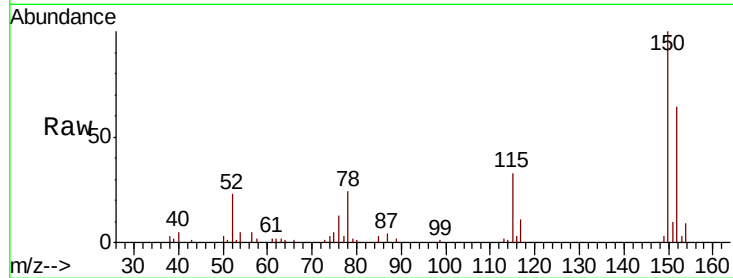


#1

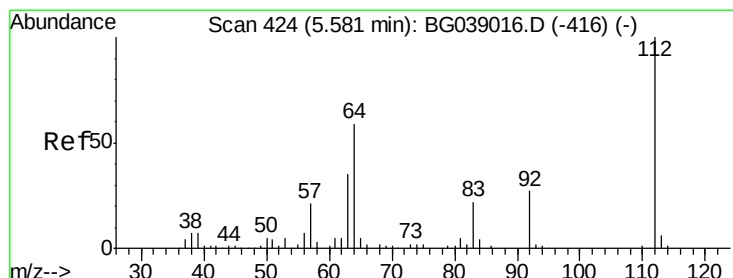
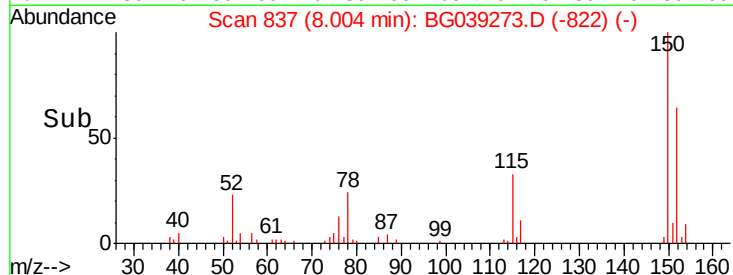
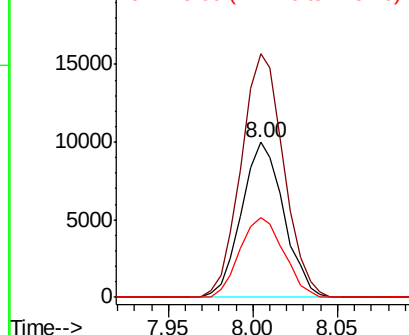
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG039273.D
Acq: 23 Jan 2019 21:26

Instrument :
BNA_G
ClientSampleId :
PB116574TB

Tgt Ion:152 Resp: 17282
Ion Ratio Lower Upper
152 100
150 157.3 124.7 187.1
115 52.0 46.5 69.7



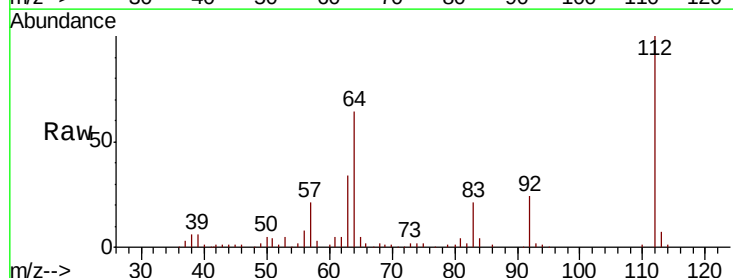
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



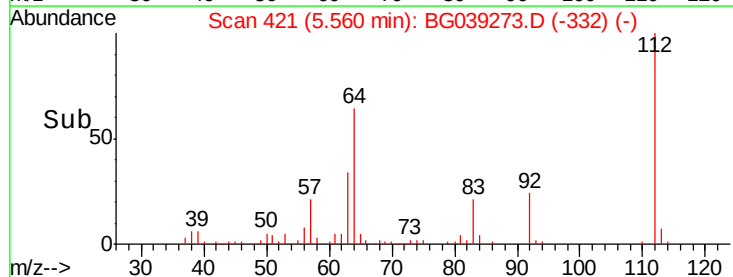
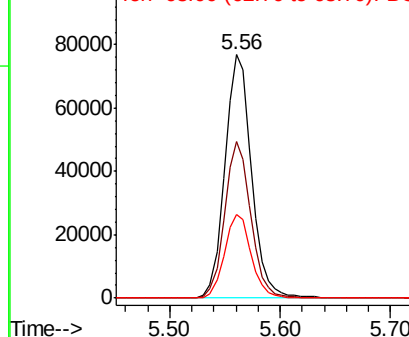
#5

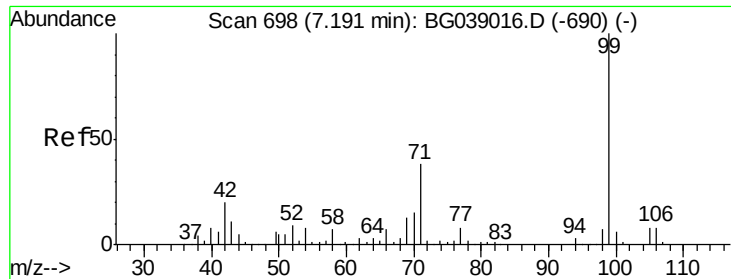
2-Fluorophenol
Concen: 141.843 ng
RT: 5.56 min Scan# 421
Delta R.T. -0.00 min
Lab File: BG039273.D
Acq: 23 Jan 2019 21:26

Tgt Ion:112 Resp: 129223
Ion Ratio Lower Upper
112 100
64 64.4 47.0 70.6
63 34.3 28.0 42.0



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: 136.344 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG039273.D

Acq: 23 Jan 2019 21:26

Instrument :

BNA_G

ClientSampleId :

PB116574TB

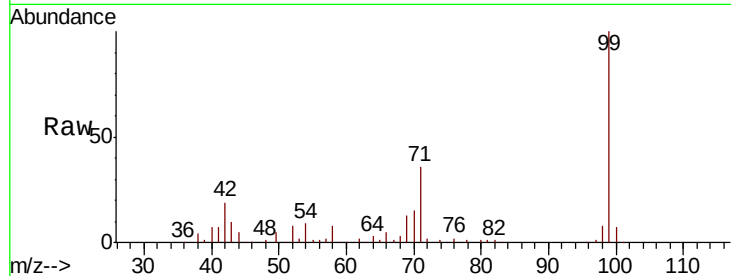
Tgt Ion: 99 Resp: 178759

Ion Ratio Lower Upper

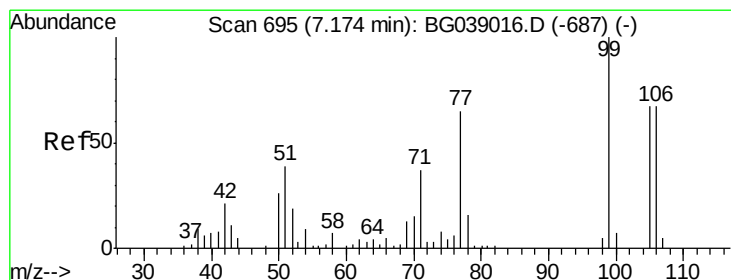
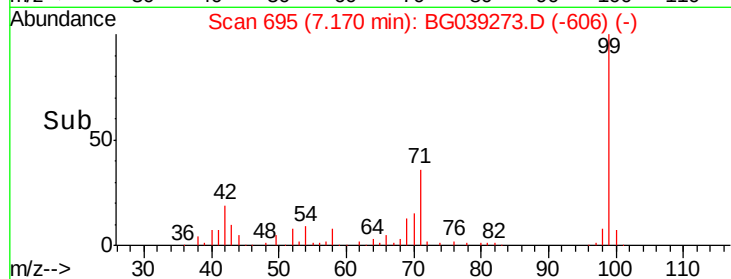
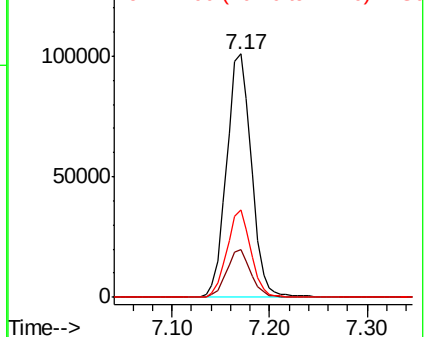
99 100

42 19.4 15.8 23.6

71 36.1 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: 0.094 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.02 min

Lab File: BG039273.D

Acq: 23 Jan 2019 21:26

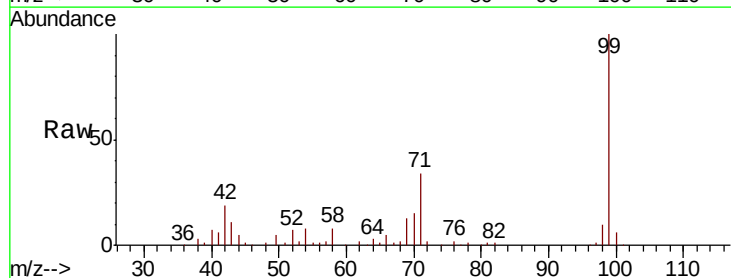
Tgt Ion: 77 Resp: 71

Ion Ratio Lower Upper

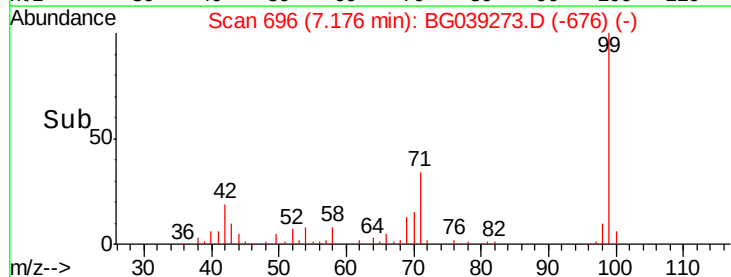
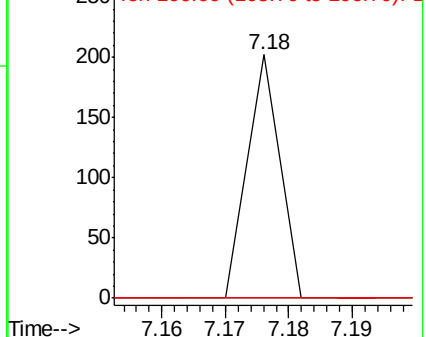
77 100

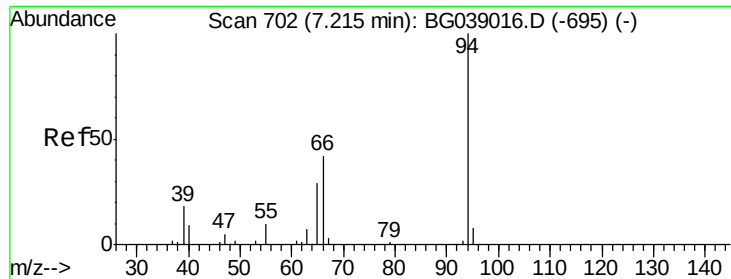
105 0.0 82.4 122.4#

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: 0.160 ng

RT: 7.54 min Scan# 758

Delta R.T. 0.34 min

Lab File: BG039273.D

Acq: 23 Jan 2019 21:26

Instrument :

BNA_G

ClientSampleId :

PB116574TB

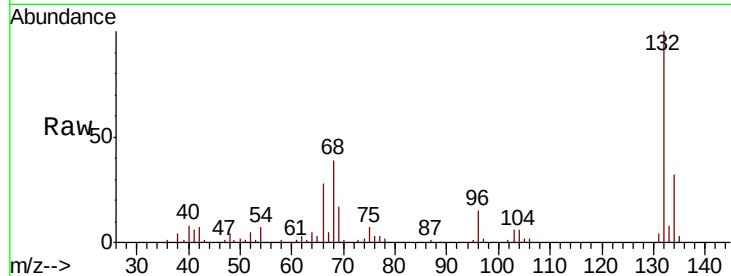
Tgt Ion: 94 Resp: 210

Ion Ratio Lower Upper

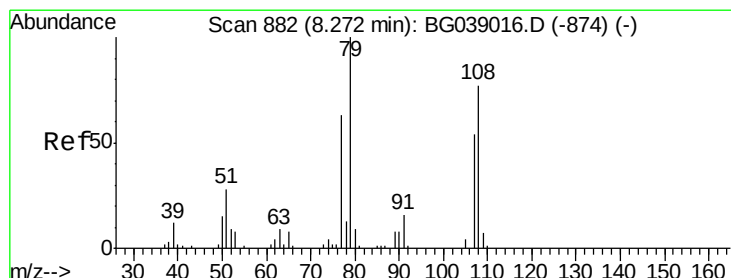
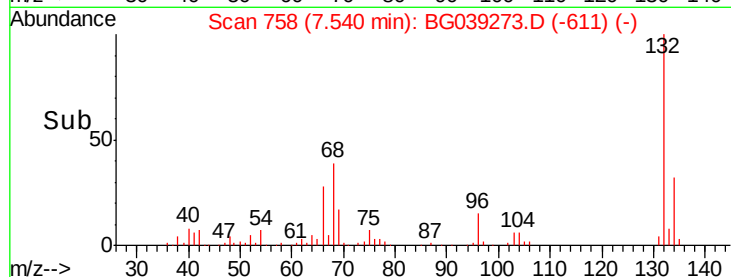
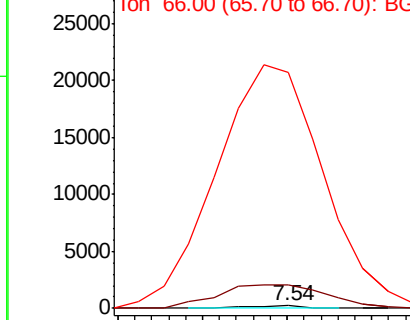
94 100

65 866.1 10.3 50.3#

66 8575.2 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



#15

Benzyl Alcohol

Concen: 1.698 ng

RT: 8.33 min Scan# 892

Delta R.T. 0.07 min

Lab File: BG039273.D

Acq: 23 Jan 2019 21:26

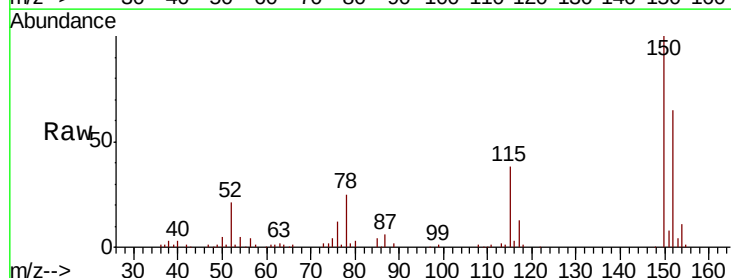
Tgt Ion: 79 Resp: 1677

Ion Ratio Lower Upper

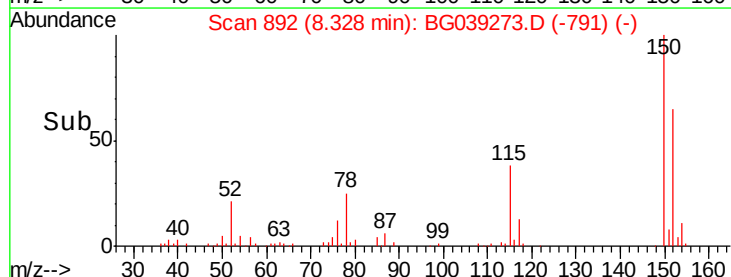
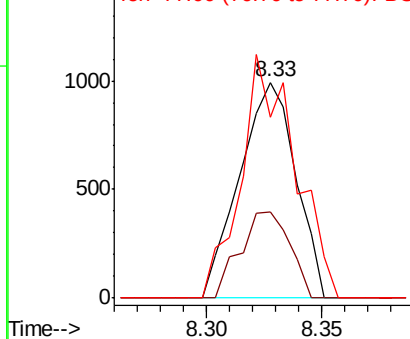
79 100

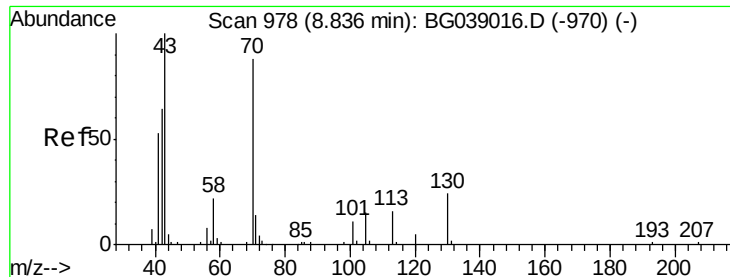
108 40.1 62.0 93.0#

77 83.8 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

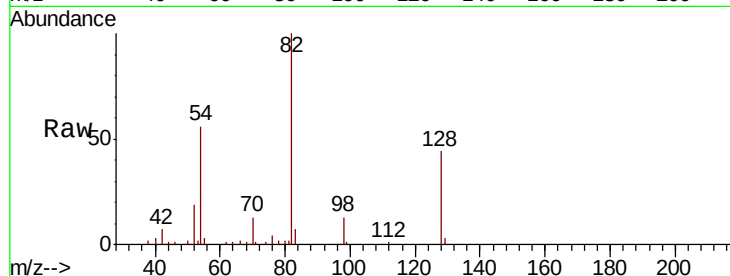




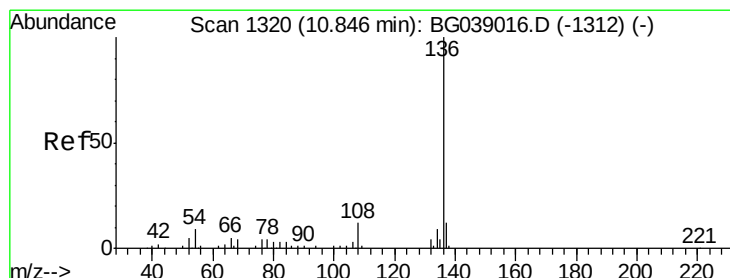
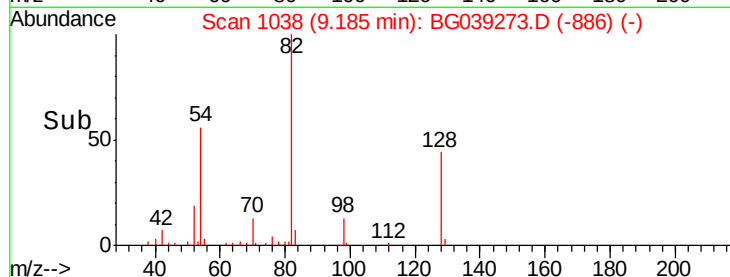
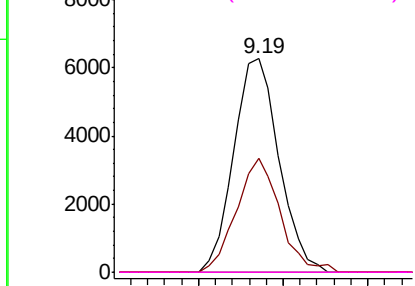
#19
n-Nitroso-di-n-propylamine
Concen: 13.566 ng
RT: 9.19 min Scan# 1038
Delta R.T. 0.37 min
Lab File: BG039273.D
Acq: 23 Jan 2019 21:26

Instrument :
BNA_G
ClientSampleId :
PB116574TB

Tgt Ion: 70 Resp: 11680
Ion Ratio Lower Upper
70 100
42 53.1 59.0 88.4#
101 0.0 10.4 15.6#
130 0.0 21.6 32.4#

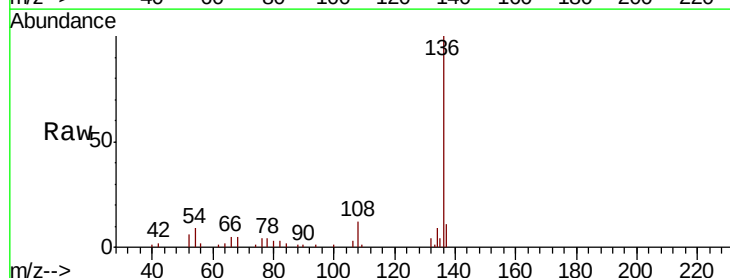


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

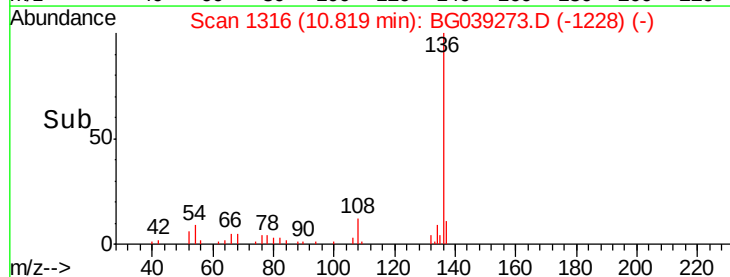
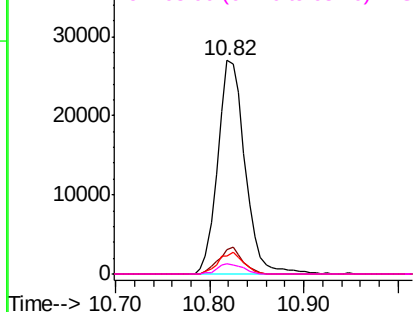


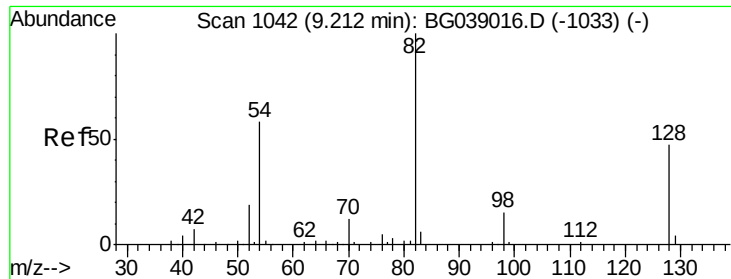
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG039273.D
Acq: 23 Jan 2019 21:26

Tgt Ion: 136 Resp: 54661
Ion Ratio Lower Upper
136 100
137 11.2 9.4 14.2
54 8.5 7.2 10.8
68 4.7 3.5 5.3



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

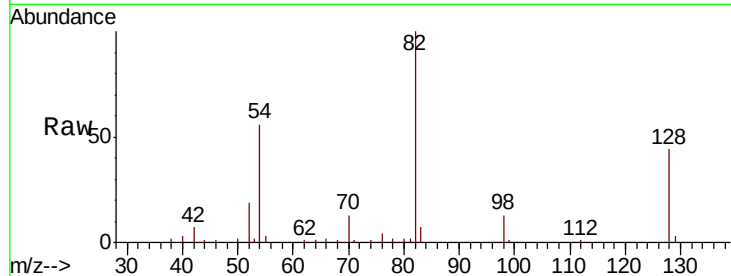




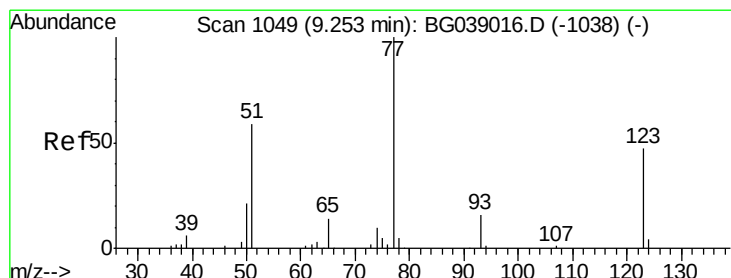
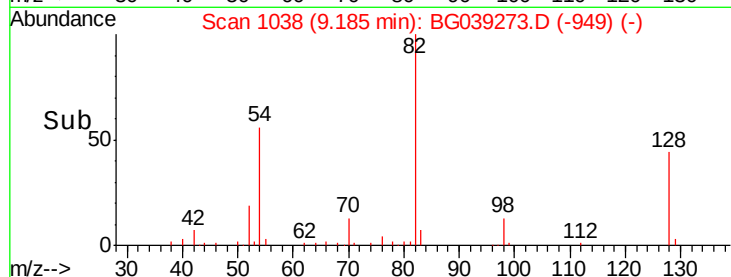
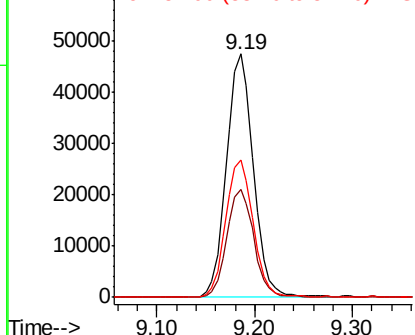
#23
 Nitrobenzene-d5
 Concen: 90.870 ng
 RT: 9.19 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: BG039273.D
 Acq: 23 Jan 2019 21:26

Instrument :
 BNA_G
 ClientSampleId :
 PB116574TB

Tgt Ion: 82 Resp: 90773
 Ion Ratio Lower Upper
 82 100
 128 44.2 37.3 55.9
 54 56.5 46.4 69.6

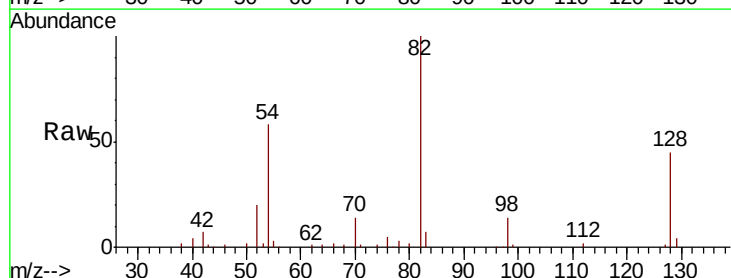


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

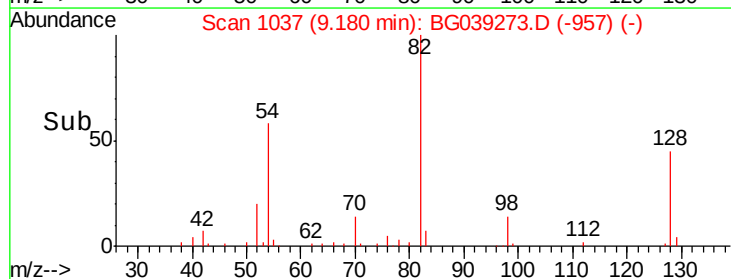
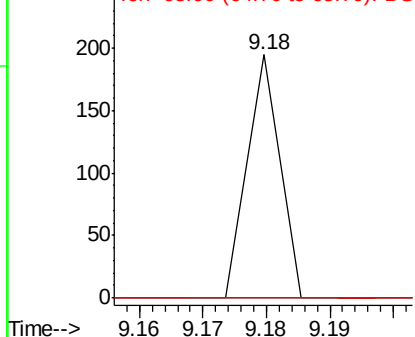


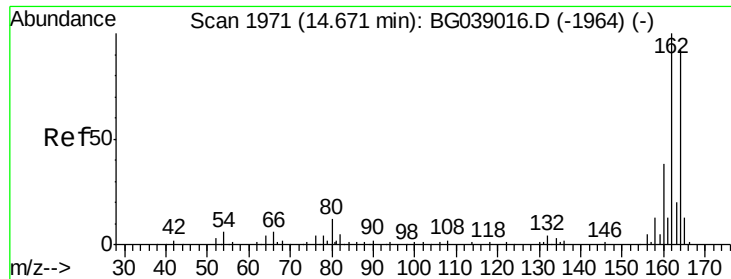
#24
 Nitrobenzene
 Concen: 0.068 ng
 RT: 9.18 min Scan# 1037
 Delta R.T. -0.06 min
 Lab File: BG039273.D
 Acq: 23 Jan 2019 21:26

Tgt Ion: 77 Resp: 69
 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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG039273.D

Acq: 23 Jan 2019 21:26

Instrument :

BNA_G

ClientSampleId :

PB116574TB

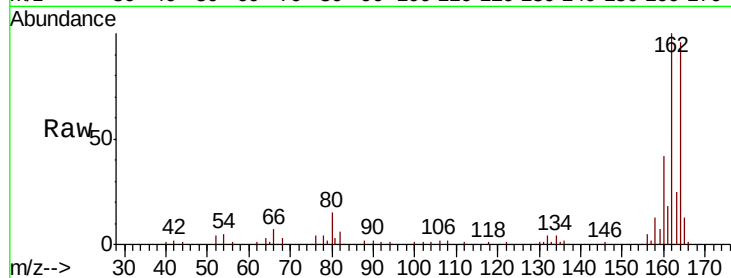
Tgt Ion:164 Resp: 42208

Ion Ratio Lower Upper

164 100

162 104.1 87.2 130.8

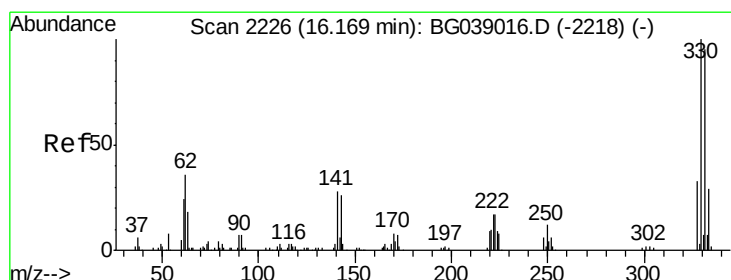
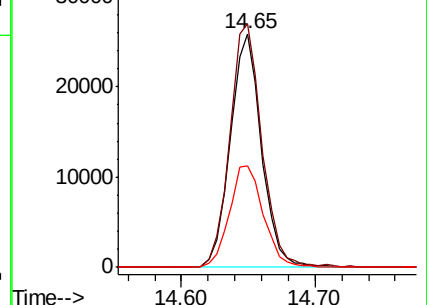
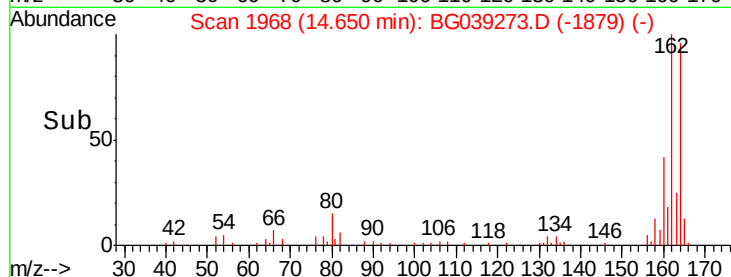
160 43.2 33.3 49.9



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



#42

2,4,6-Tribromophenol

Concen: 75.794 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BG039273.D

Acq: 23 Jan 2019 21:26

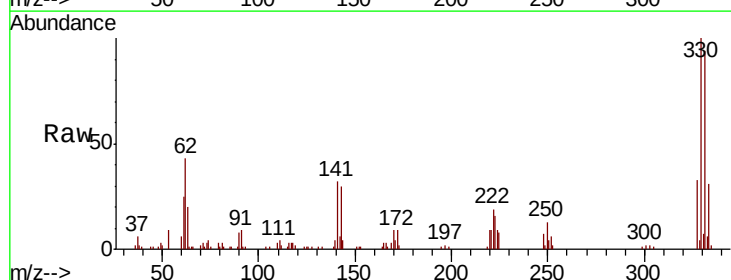
Tgt Ion:330 Resp: 53626

Ion Ratio Lower Upper

330 100

332 98.4 75.7 113.5

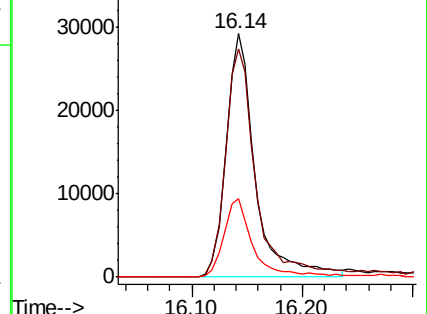
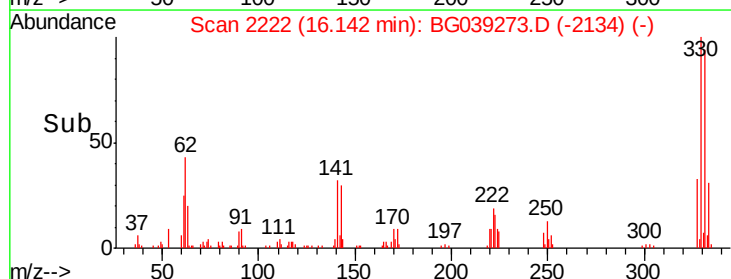
141 32.0 24.9 37.3

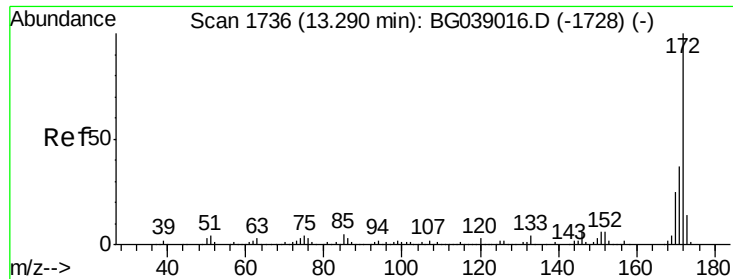


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

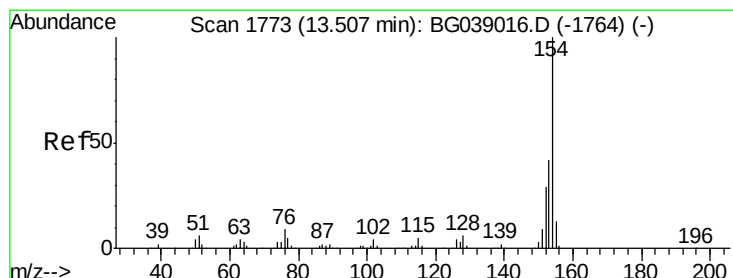
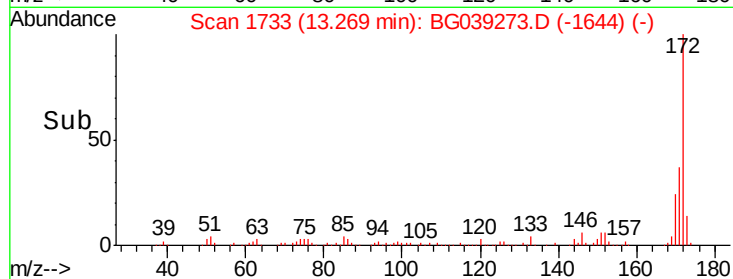
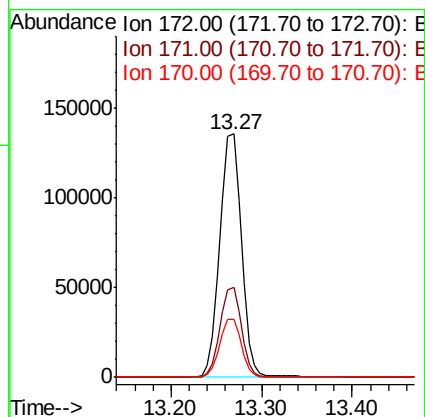
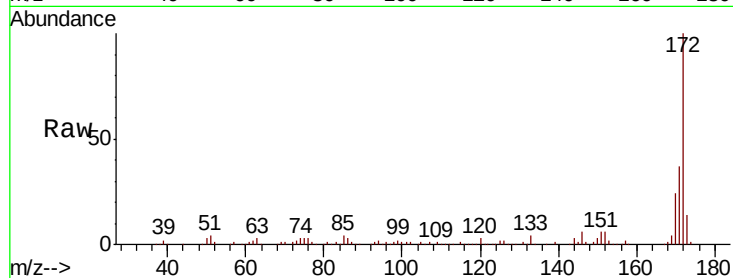




#45
 2-Fluorobiphenyl
 Concen: 73.746 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.00 min
 Lab File: BG039273.D
 Acq: 23 Jan 2019 21:26

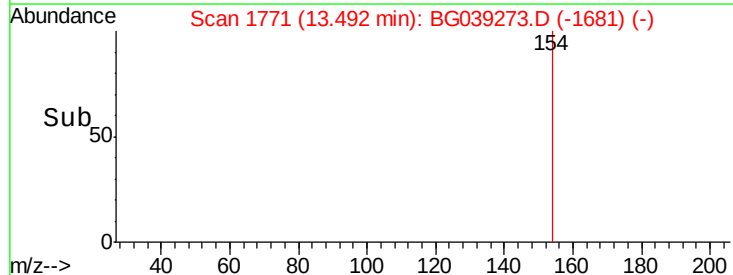
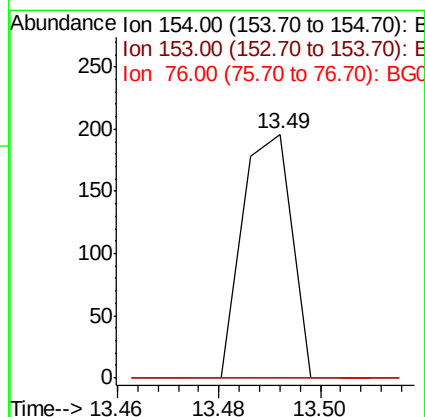
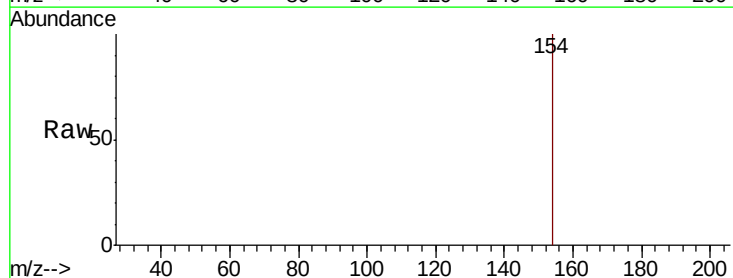
Instrument :
 BNA_G
 ClientSampleId :
 PB116574TB

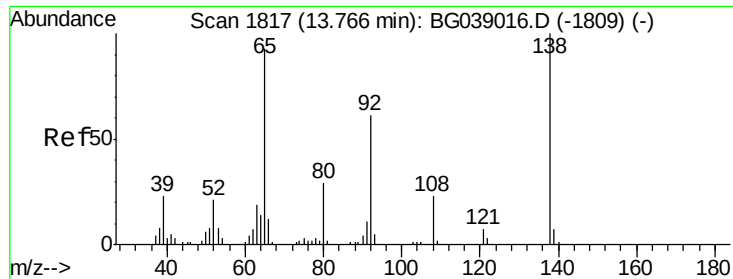
Tgt Ion:172 Resp: 227441
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.4 44.0
 170 23.9 20.1 30.1



#46
 1,1'-Biphenyl
 Concen: 0.039 ng
 RT: 13.49 min Scan# 1771
 Delta R.T. 0.00 min
 Lab File: BG039273.D
 Acq: 23 Jan 2019 21:26

Tgt Ion:154 Resp: 132
 Ion Ratio Lower Upper
 154 100
 153 0.0 22.4 62.4#
 76 0.0 0.0 29.4





#48

2-Nitroaniline

Concen: 0.186 ng

RT: 13.26 min Scan# 1732

Delta R.T. -0.49 min

Lab File: BG039273.D

Acq: 23 Jan 2019 21:26

Instrument :

BNA_G

ClientSampleId :

PB116574TB

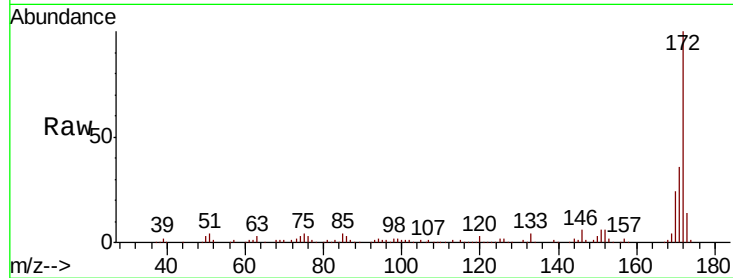
Tgt Ion: 65 Resp: 141

Ion Ratio Lower Upper

65 100

92 267.5 52.2 78.4#

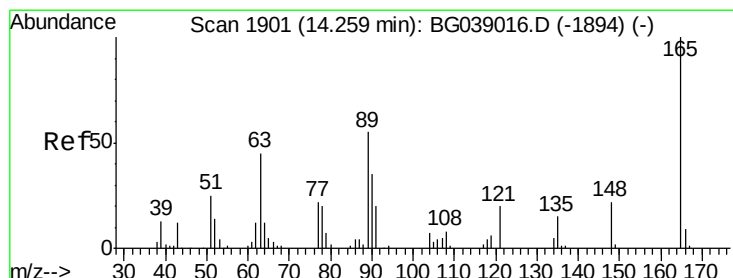
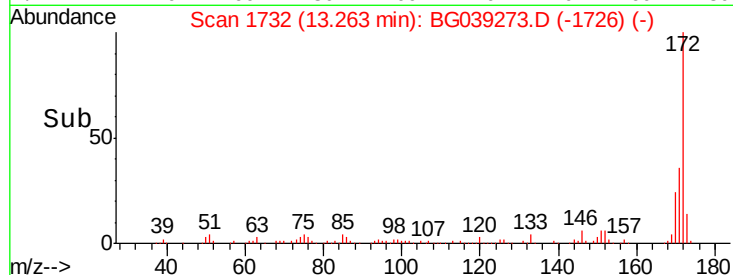
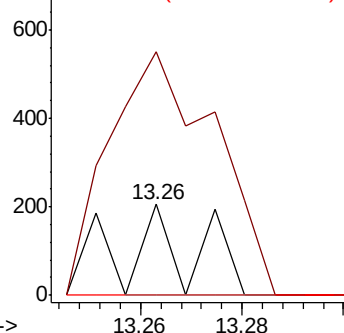
138 0.0 86.0 129.0#



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: 6.945 ng

RT: 14.65 min Scan# 1968

Delta R.T. 0.41 min

Lab File: BG039273.D

Acq: 23 Jan 2019 21:26

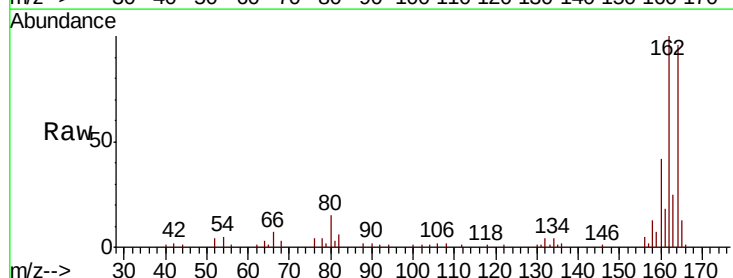
Tgt Ion: 165 Resp: 5538

Ion Ratio Lower Upper

165 100

63 0.0 43.6 65.4#

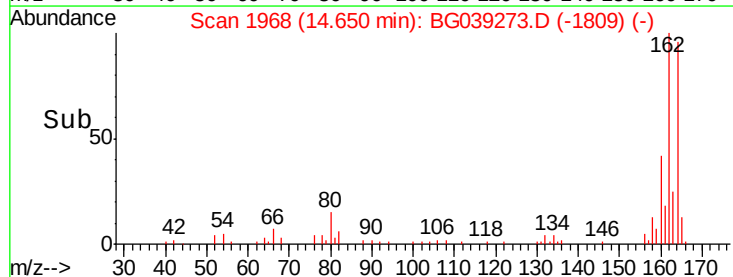
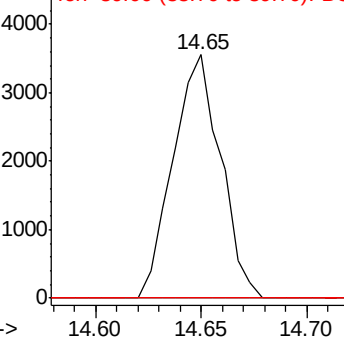
89 0.0 43.7 65.5#

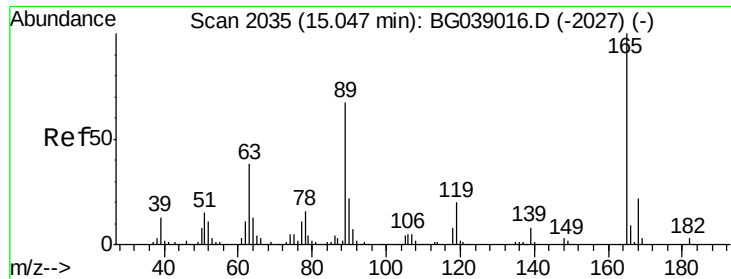


Abundance Ion 165.00 (164.70 to 165.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

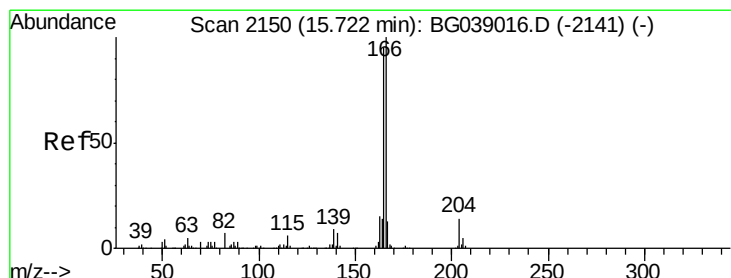
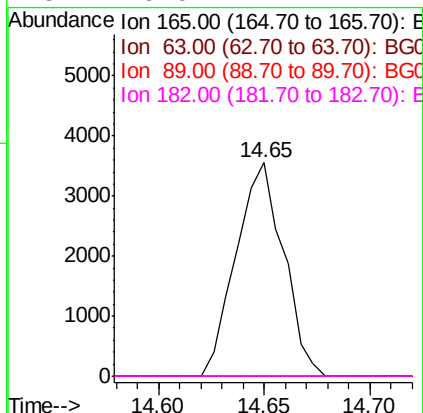
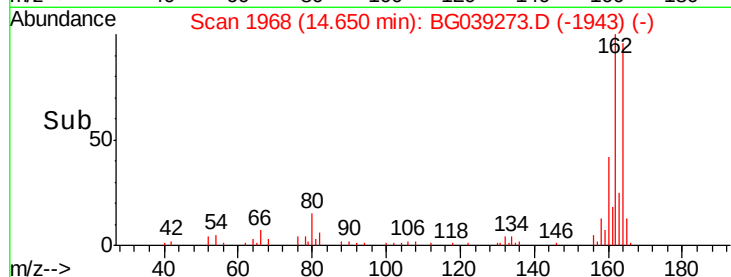
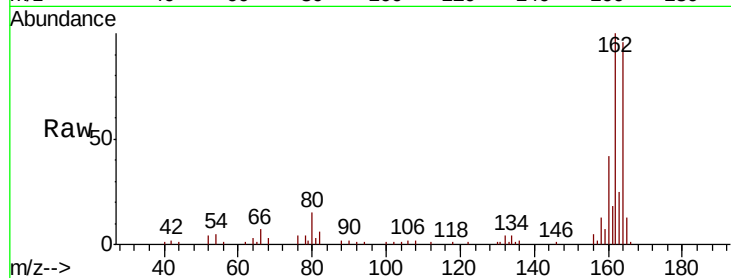




#57
 2,4-Dinitrotoluene
 Concen: 4.841 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.38 min
 Lab File: BG039273.D
 Acq: 23 Jan 2019 21:26

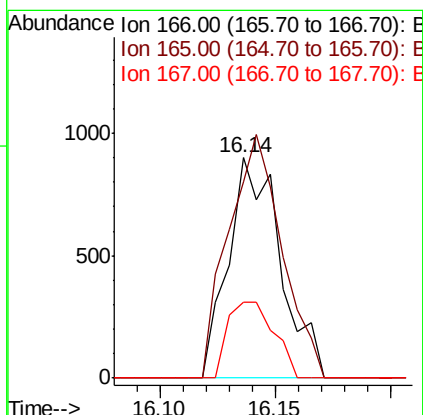
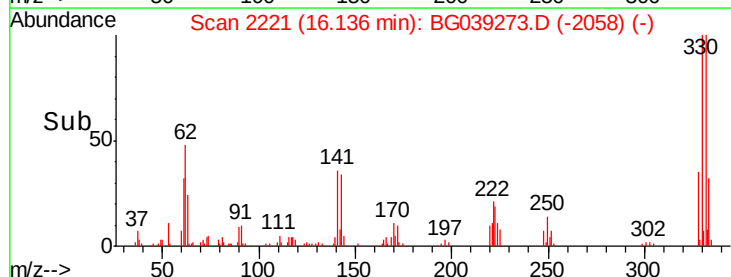
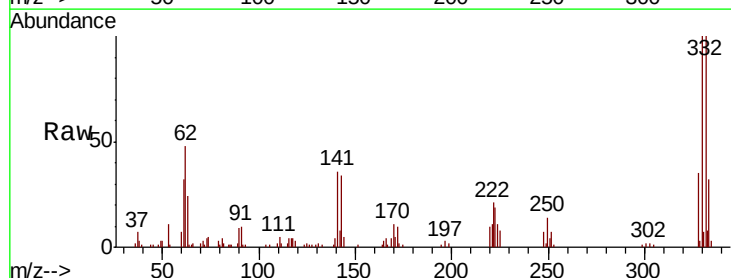
Instrument :
 BNA_G
 ClientSampleId :
 PB116574TB

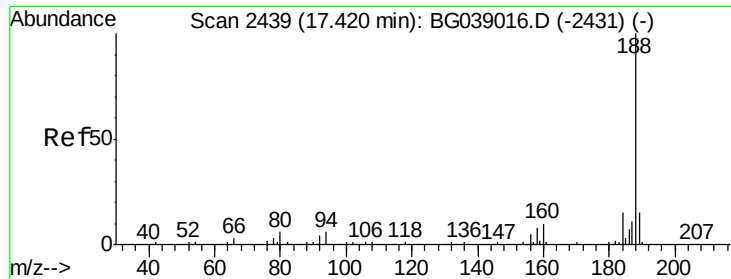
Tgt Ion:165 Resp: 5538
 Ion Ratio Lower Upper
 165 100
 63 0.0 30.2 45.4#
 89 0.0 53.2 79.8#
 182 0.0 2.7 4.1#



#58
 Fluorene
 Concen: 0.435 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. 0.43 min
 Lab File: BG039273.D
 Acq: 23 Jan 2019 21:26

Tgt Ion:166 Resp: 1413
 Ion Ratio Lower Upper
 166 100
 165 89.3 76.2 114.2
 167 34.5 10.6 16.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG039273.D

Acq: 23 Jan 2019 21:26

Instrument :

BNA_G

ClientSampleId :

PB116574TB

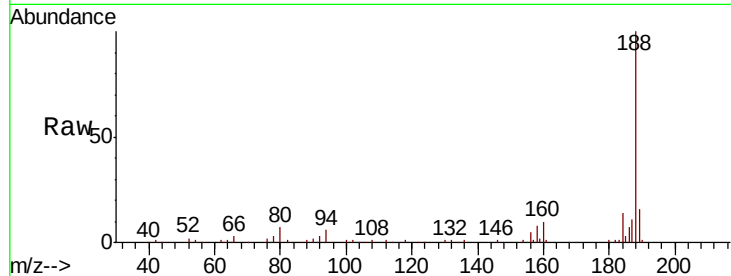
Tgt Ion:188 Resp: 111150

Ion Ratio Lower Upper

188 100

94 6.2 5.0 7.4

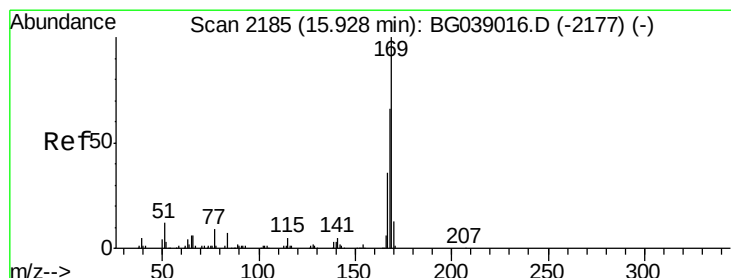
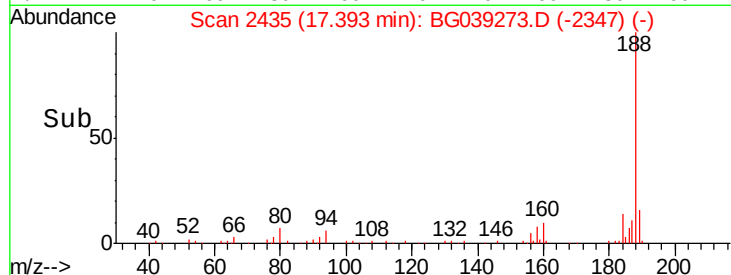
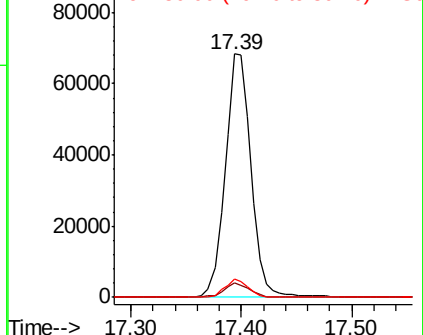
80 7.5 4.7 7.1#



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



#66

n-Nitrosodiphenylamine

Concen: 0.477 ng

RT: 16.14 min Scan# 2222

Delta R.T. 0.23 min

Lab File: BG039273.D

Acq: 23 Jan 2019 21:26

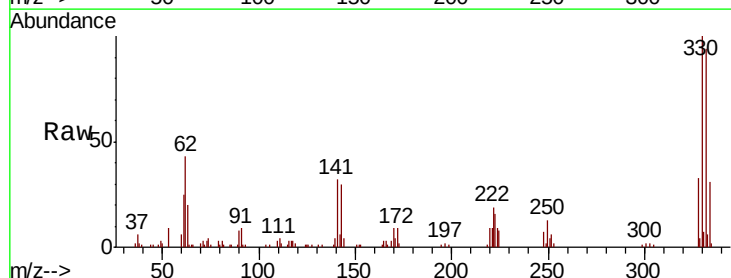
Tgt Ion:169 Resp: 1571

Ion Ratio Lower Upper

169 100

168 0.0 53.2 79.8#

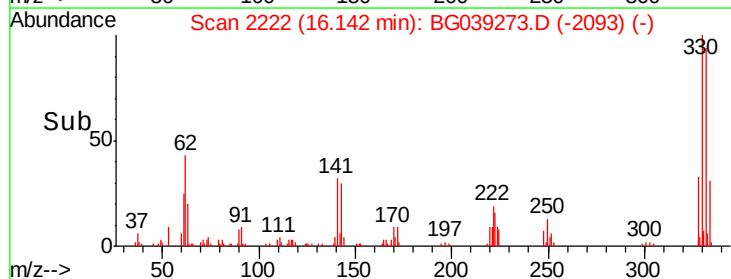
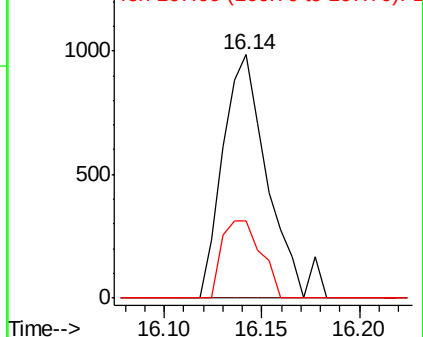
167 31.4 29.1 43.7

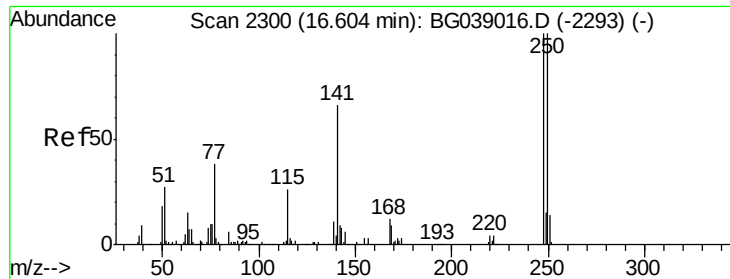


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

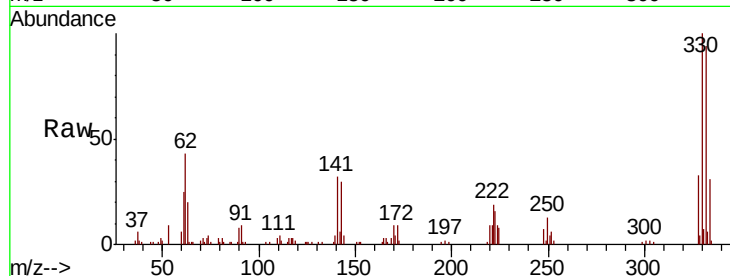




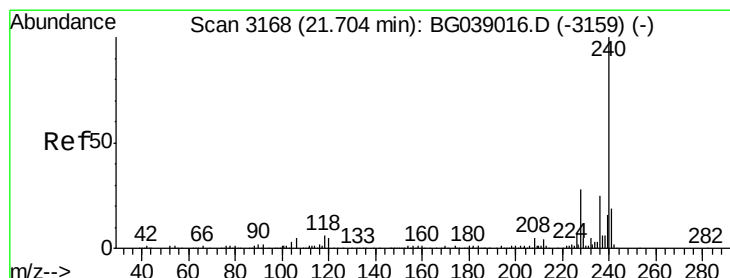
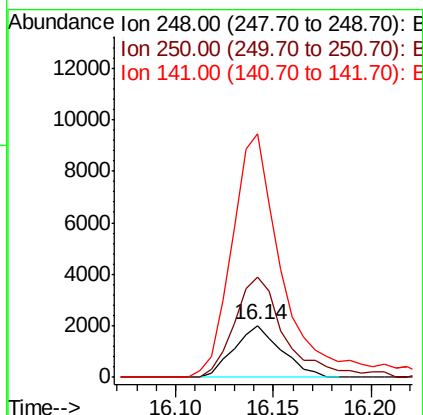
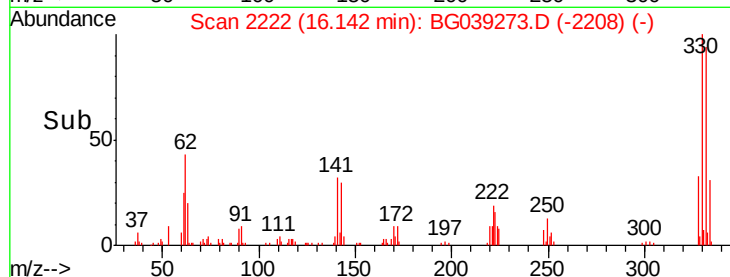
#67
 4-Bromophenyl-phenylether
 Concen: 2.360 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.45 min
 Lab File: BG039273.D
 Acq: 23 Jan 2019 21:26

Instrument :
 BNA_G
 ClientSampleId :
 PB116574TB

Tgt Ion:248 Resp: 3372
 Ion Ratio Lower Upper
 248 100
 250 182.4 79.9 119.9#
 141 343.9 52.7 79.1#

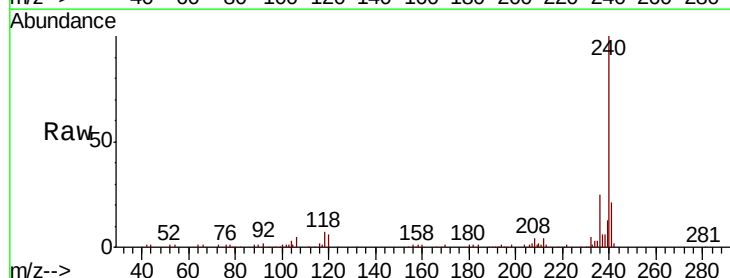


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

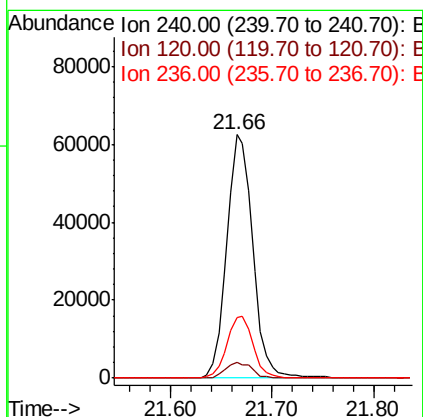
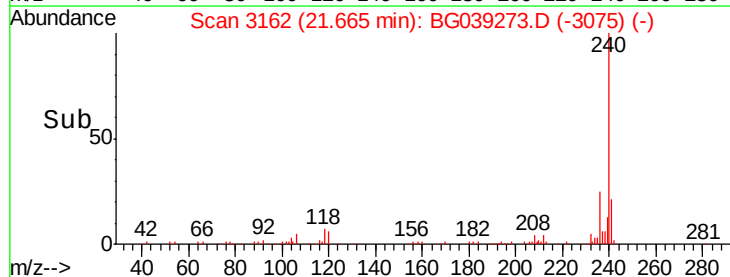


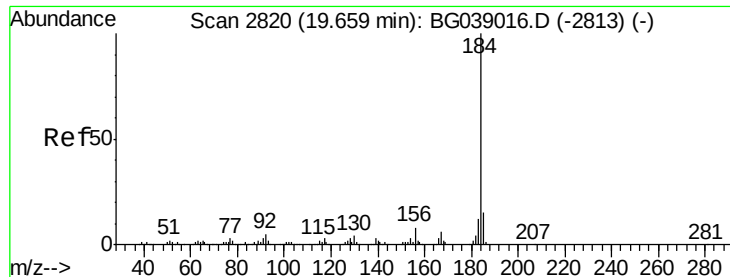
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3162
 Delta R.T. -0.02 min
 Lab File: BG039273.D
 Acq: 23 Jan 2019 21:26

Tgt Ion:240 Resp: 111395
 Ion Ratio Lower Upper
 240 100
 120 6.4 4.3 6.5
 236 25.0 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: 2.156 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.36 min

Lab File: BG039273.D

Acq: 23 Jan 2019 21:26

Instrument :

BNA_G

ClientSampleId :

PB116574TB

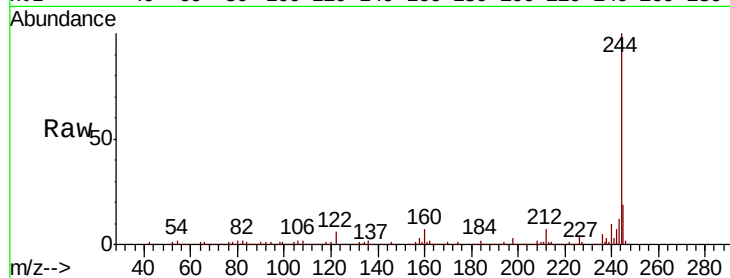
Tgt Ion:184 Resp: 7346

Ion Ratio Lower Upper

184 100

185 16.6 12.1 18.1

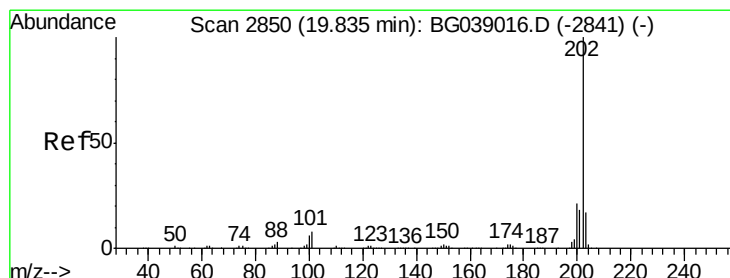
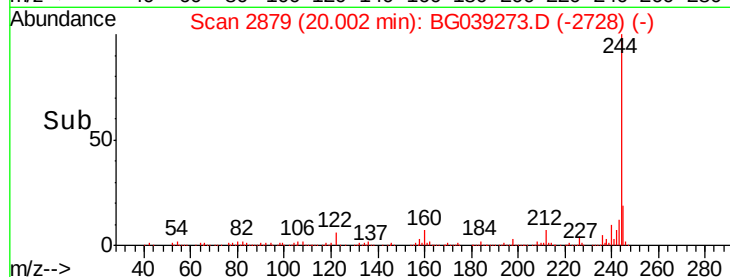
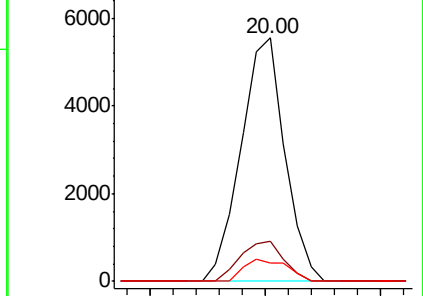
183 7.4 9.5 14.3#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 0.236 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.18 min

Lab File: BG039273.D

Acq: 23 Jan 2019 21:26

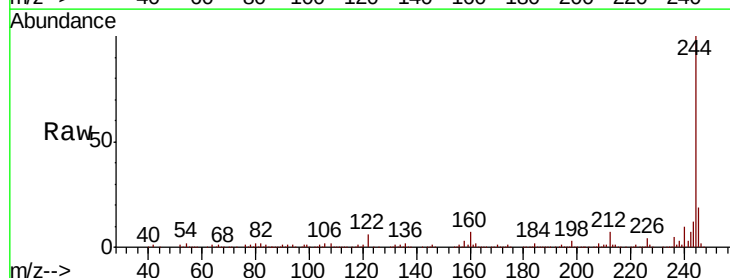
Tgt Ion:202 Resp: 1675

Ion Ratio Lower Upper

202 100

200 46.7 17.0 25.6#

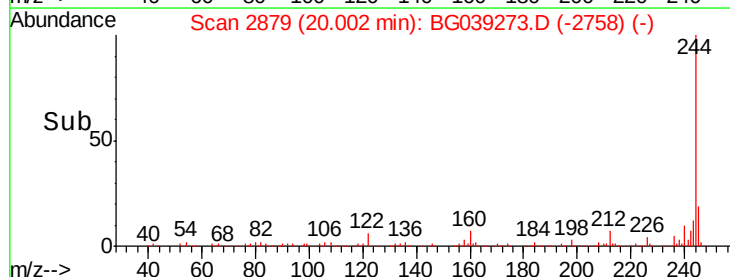
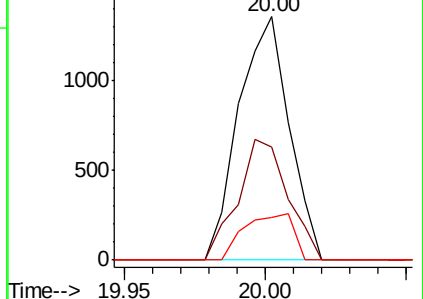
203 17.7 14.0 21.0

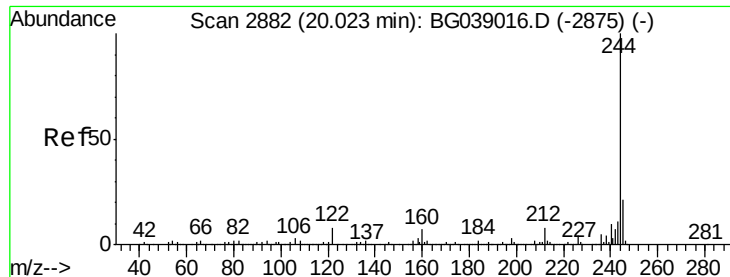


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 79.649 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.00 min

Lab File: BG039273.D

Acq: 23 Jan 2019 21:26

Instrument :

BNA_G

ClientSampleId :

PB116574TB

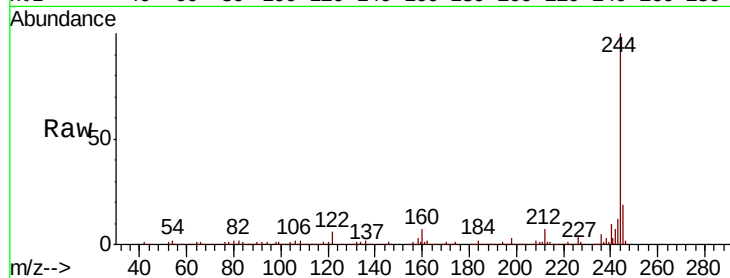
Tgt Ion:244 Resp: 479625

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

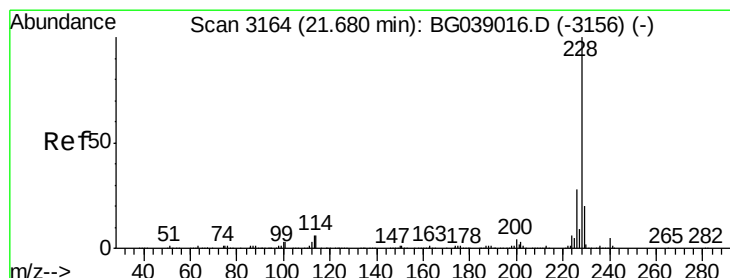
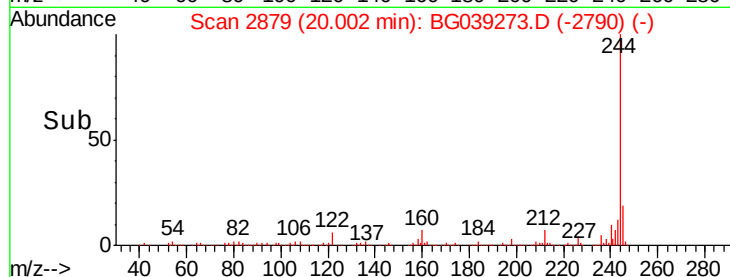
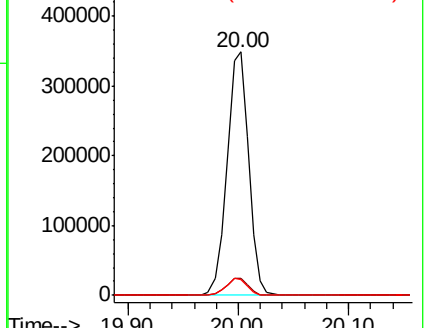
122 6.4 6.1 9.1



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



#81

Benzo(a)anthracene

Concen: 0.010 ng

RT: 21.66 min Scan# 3162

Delta R.T. 0.01 min

Lab File: BG039273.D

Acq: 23 Jan 2019 21:26

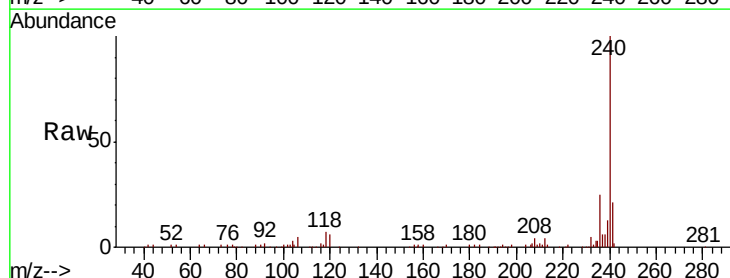
Tgt Ion:228 Resp: 67

Ion Ratio Lower Upper

228 100

226 0.0 22.4 33.6#

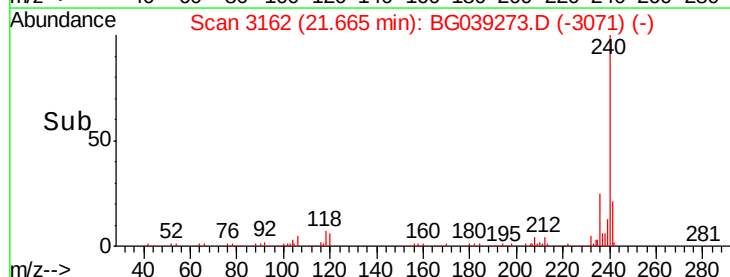
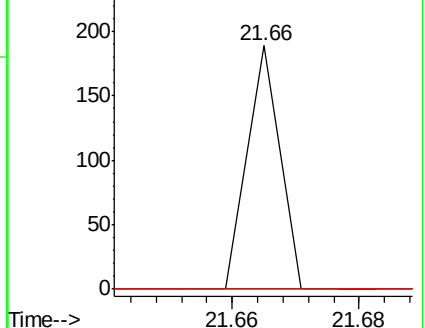
229 0.0 16.2 24.2#

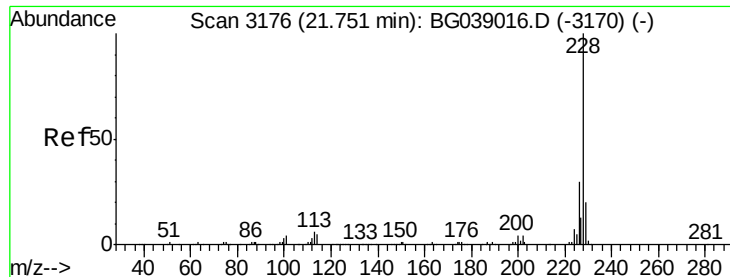


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

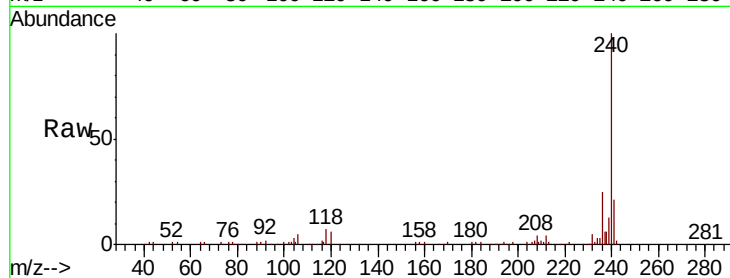




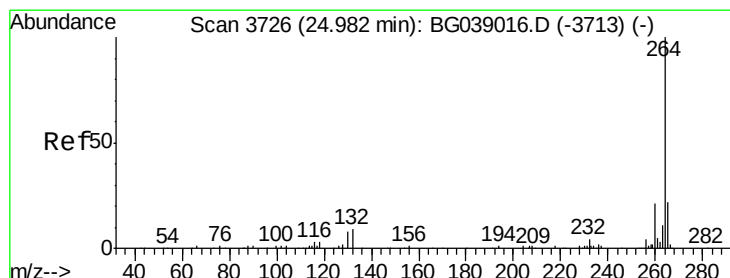
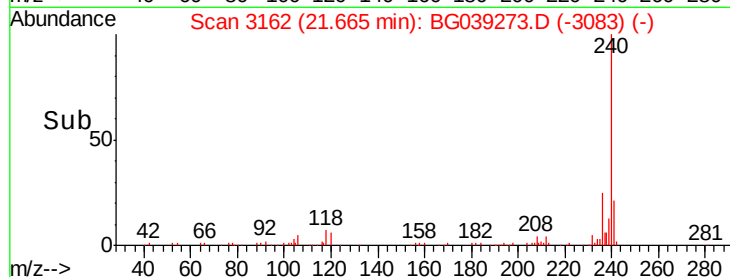
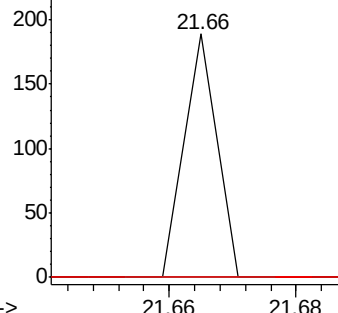
#83
Chrysene
Concen: 0.010 ng
RT: 21.66 min Scan# 3162
Delta R.T. -0.06 min
Lab File: BG039273.D
Acq: 23 Jan 2019 21:26

Instrument :
BNA_G
ClientSampleId :
PB116574TB

Tgt Ion: 228 Resp: 67
Ion Ratio Lower Upper
228 100
226 0.0 24.1 36.1#
229 0.0 16.0 24.0#

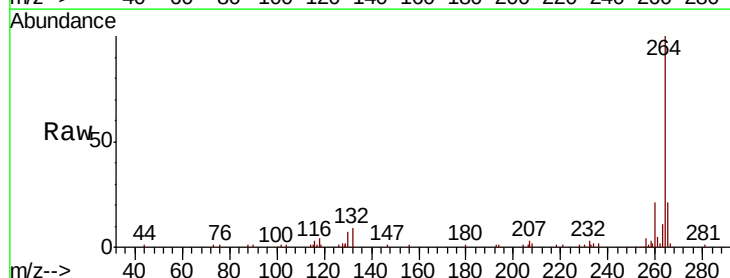


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

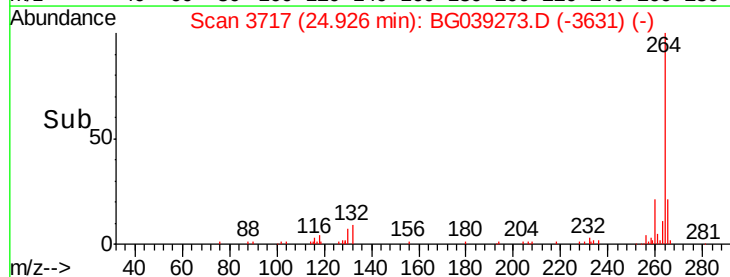
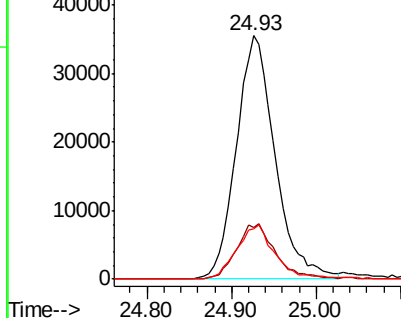


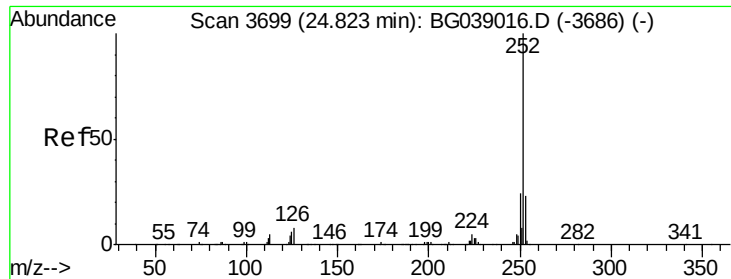
#87
Perylene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3717
Delta R.T. -0.02 min
Lab File: BG039273.D
Acq: 23 Jan 2019 21:26

Tgt Ion: 264 Resp: 112972
Ion Ratio Lower Upper
264 100
260 21.0 17.0 25.6
265 20.9 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





#90

Benzo(a)pyrene

Concen: 0.009 ng

RT: 24.93 min Scan# 3717

Delta R.T. 0.14 min

Lab File: BG039273.D

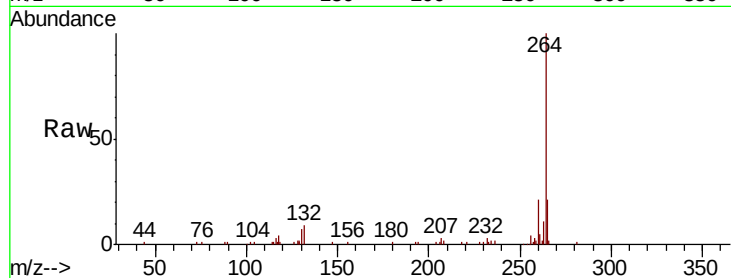
Acq: 23 Jan 2019 21:26

Instrument :

BNA_G

ClientSampleId :

PB116574TB



Tgt Ion:	252	Resp:	55
Ion	Ratio	Lower	Upper
252	100		
253	0.0	18.3	27.5#
125	0.0	4.9	7.3#

