

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062016\
 Data File : BG022453.D
 Acq On : 20 Jun 2016 23:01
 Operator : UM/SJ
 Sample : H3679-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 W-43

Quant Time: Jun 21 02:13:14 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 17:40:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.31	152	92961	20.00	ng	0.22
21) Naphthalene-d8	11.20	136	165	20.00	ng	0.30
38) Acenaphthene-d10	15.24	164	146	20.00	ng	0.52
63) Phenanthrene-d10	18.10	188	56	20.00	ng	0.63
75) Chrysene-d12	22.47	240	54	20.00	ng	0.73
86) Perylene-d12	25.63	264	54	20.00	ng	0.62

System Monitoring Compounds

5) 2-Fluorophenol	5.55	112	88703	18.45	ng	-0.09
7) Phenol-d6	7.18	99	76381	10.10	ng	-0.07
23) Nitrobenzene-d5	9.51	82	184	77.75	ng	0.25
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	13.81	172	76	7.93	ng	0.47
78) Terphenyl-d14	20.75	244	171	75.18	ng	0.69

Target Compounds

						Qvalue
19) n-Nitroso-di-n-propylamine	9.16	70	17076	3.34	ng	# 57
24) Nitrobenzene	9.58	77	67	28.15	ng	# 43
25) Isophorone	10.08	82	131	23.66	ng	# 67
31) Naphthalene	11.14	128	60	7.29	ng	# 71
35) Caprolactam	12.19	113	57	48.02	ng	# 71
36) 4-Chloro-3-methylphenol	12.53	107	74	28.85	ng	# 22
45) 1,1'-Biphenyl	14.19	154	58	5.28	ng	# 43
46) 2-Chloronaphthalene	14.08	162	57	6.77	ng	# 12
47) 2-Nitroaniline	14.30	65	227	113.03	ng	# 9
48) Acenaphthylene	15.05	152	62	4.20	ng	# 60
49) Dimethylphthalate	14.64	163	21324	1761.52	ng	# 1
50) 2,6-Dinitrotoluene	14.63	165	9247	3513.83	ng	# 26
51) Acenaphthene	15.36	154	236	26.65	ng	# 52
52) 3-Nitroaniline	15.15	138	118	40.43	ng	# 1
54) Dibenzofuran	15.63	168	54	3.91	ng	# 44
55) 4-Nitrophenol	15.49	139	70	34.75	ng	# 65
56) 2,4-Dinitrotoluene	15.60	165	74	20.96	ng	# 10
57) Fluorene	16.12	166	5971	501.64	ng	# 11
59) Diethylphthalate	16.09	149	335	25.91	ng	# 1
60) 4-Chlorophenyl-phenylether	16.43	204	123	22.82	ng	# 26
61) 4-Nitroaniline	16.37	138	53	17.12	ng	# 14
62) Azobenzene	16.60	77	352	35.94	ng	# 47
64) 4,6-Dinitro-2-methylphenol	16.67	198	400	1253.53	ng	# 48
65) n-Nitrosodiphenylamine	16.69	169	63	39.05	ng	# 20
70) Phenanthrene	18.19	178	60	19.73	ng	# 1
71) Anthracene	18.25	178	59	19.56	ng	# 61
72) Carbazole	18.48	167	121	42.35	ng	# 58
73) Di-n-butylphthalate	19.07	149	331	88.62	ng	# 78
74) Fluoranthene	20.26	202	56	16.02	ng	# 64
76) Benzidine	20.30	184	118	83.56	ng	# 1
77) Pyrene	20.57	202	65	19.36	ng	# 1
79) Butylbenzylphthalate	21.46	149	292	187.55	ng	# 37
80) Benzo(a)anthracene	22.23	228	54	17.83	ng	# 1
81) 3,3'-Dichlorobenzidine	22.26	252	57	67.05	ng	# 1

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BNA_G
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W-43

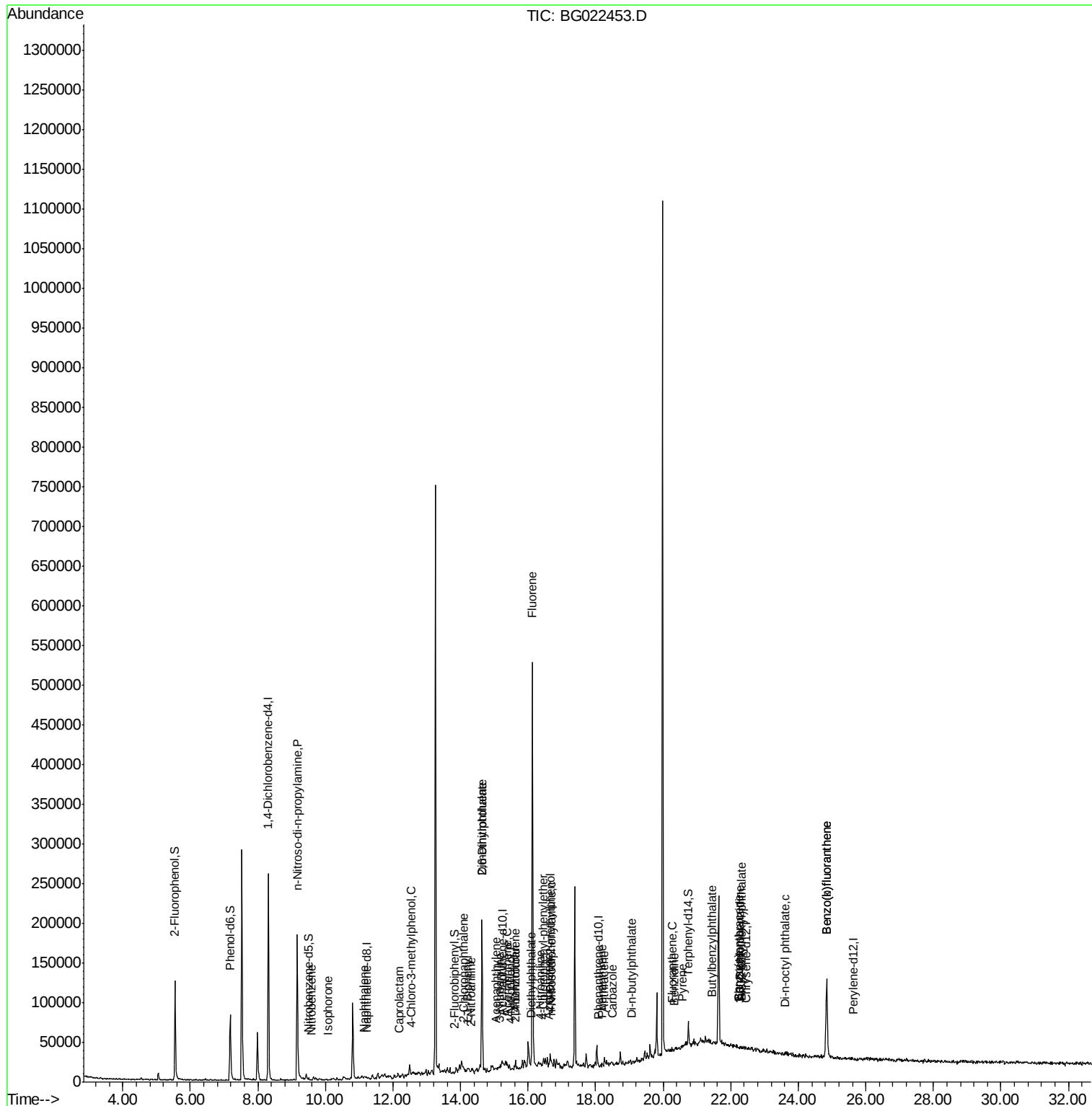
Quant Time: Jun 21 02:13:14 2016
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 13 17:40:23 2016
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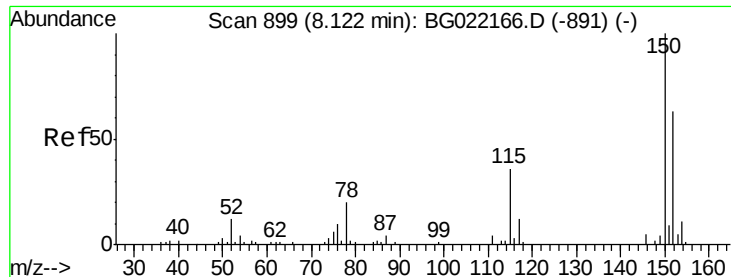
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Chrysene	22.23	228	54	18.33	ng	# 1
83) Bis(2-ethylhexyl)phthalate	22.31	149	336	146.76	ng	# 88
84) Di-n-octyl phthalate	23.60	149	358	94.17	ng	# 1
87) Benzo(b)fluoranthene	24.83	252	276	87.64	ng	# 20
88) Benzo(k)fluoranthene	24.85	252	436	140.63	ng	# 1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.31 min Scan# 931

Delta R.T. 0.22 min

Lab File: BG022453.D

Acq: 20 Jun 2016 23:01

Instrument :

BNA_G

ClientSampleId :

W-43

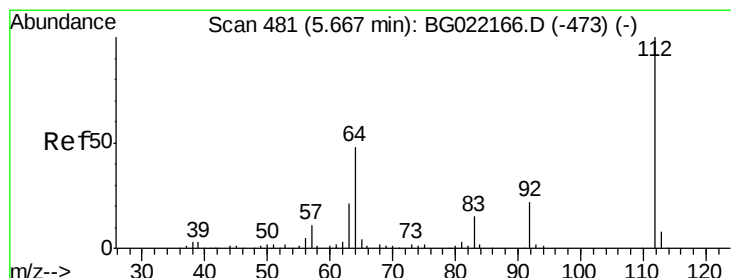
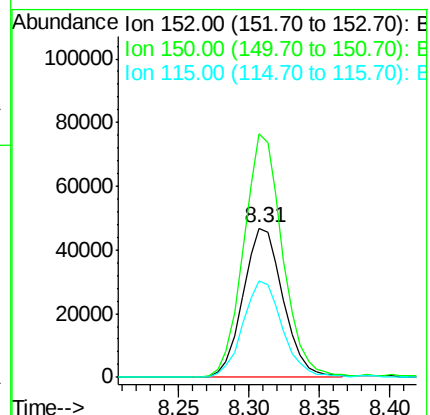
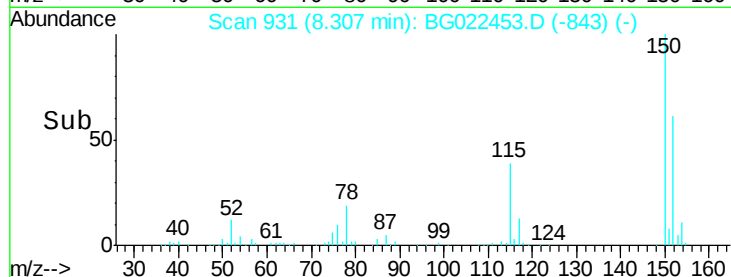
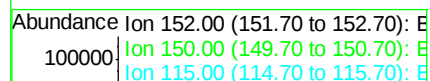
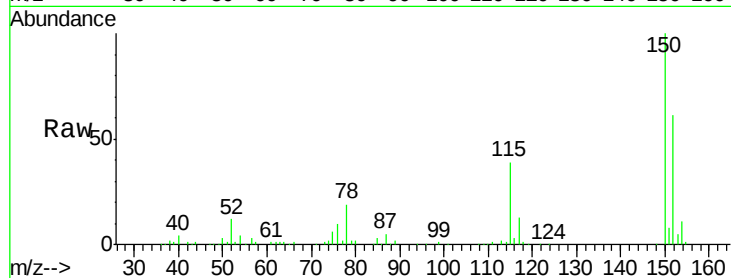
Tgt Ion:152 Resp: 92961

Ion Ratio Lower Upper

152 100

150 163.4 130.1 195.1

115 64.3 62.2 93.2



#5

2-Fluorophenol

Concen: 18.45 ng

RT: 5.55 min Scan# 461

Delta R.T. -0.09 min

Lab File: BG022453.D

Acq: 20 Jun 2016 23:01

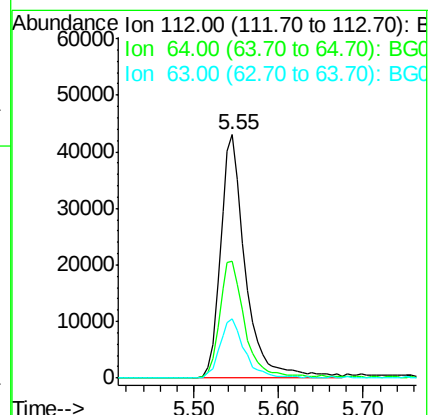
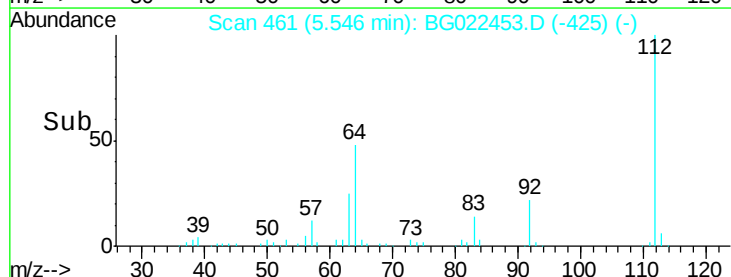
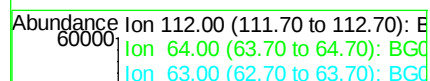
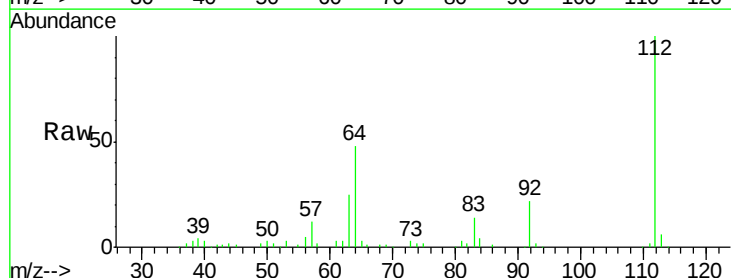
Tgt Ion:112 Resp: 88703

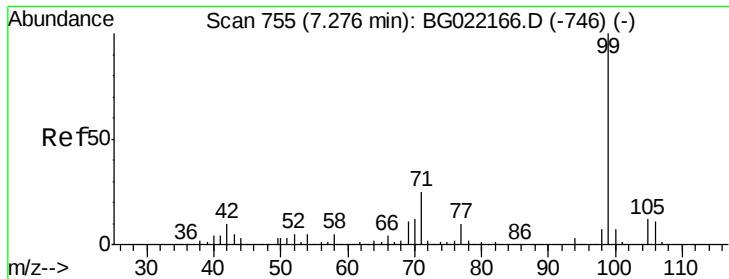
Ion Ratio Lower Upper

112 100

64 48.3 51.1 76.7#

63 24.6 24.6 37.0#





#7

Phenol-d6

Concen: 10.10 ng

RT: 7.18 min Scan# 739

Delta R.T. -0.07 min

Lab File: BG022453.D

Acq: 20 Jun 2016 23:01

Instrument :

BNA_G

ClientSampleId :

W-43

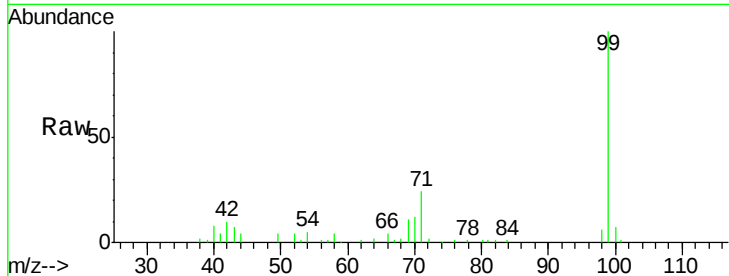
Tgt Ion: 99 Resp: 76381

Ion Ratio Lower Upper

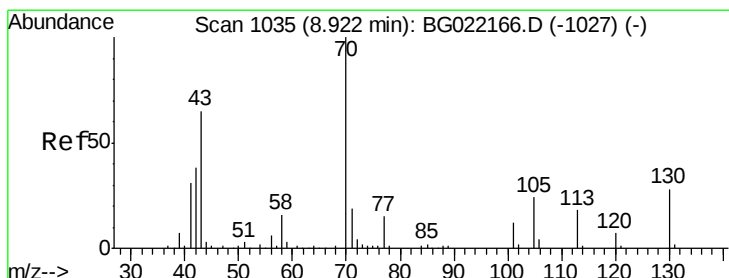
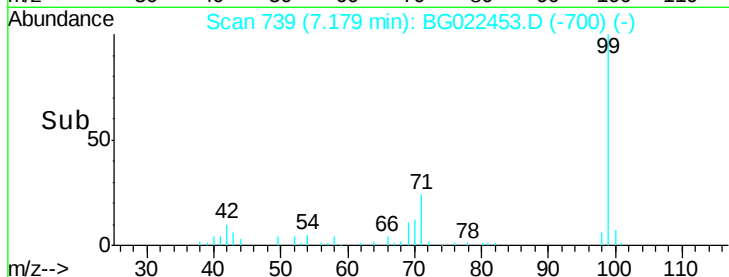
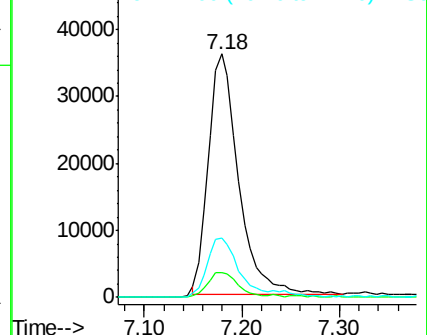
99 100

42 10.2 16.4 24.6#

71 24.2 25.0 37.4#



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.34 ng

RT: 9.16 min Scan# 1076

Delta R.T. 0.26 min

Lab File: BG022453.D

Acq: 20 Jun 2016 23:01

Tgt Ion: 70 Resp: 17076

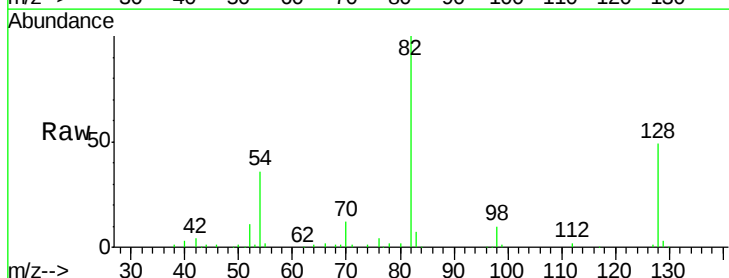
Ion Ratio Lower Upper

70 100

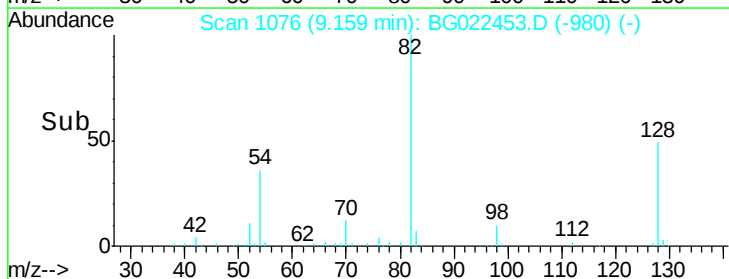
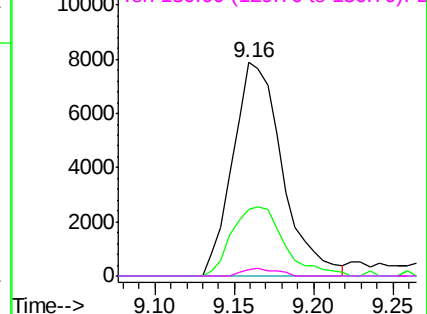
42 31.5 56.7 85.1#

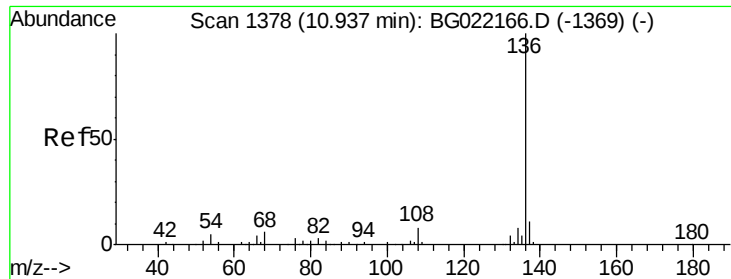
101 0.0 8.2 12.4#

130 3.0 14.0 21.0#



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

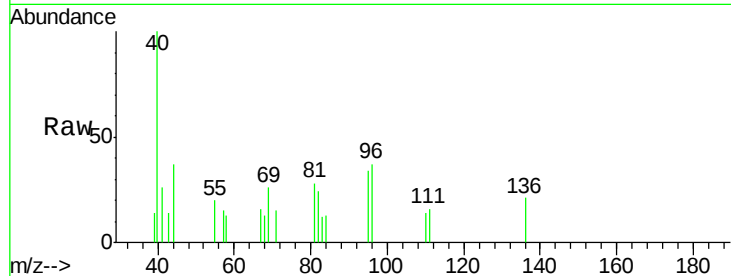




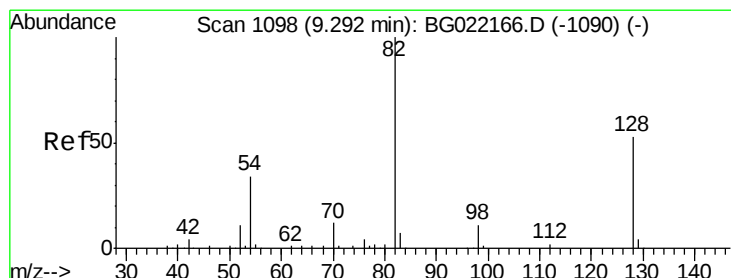
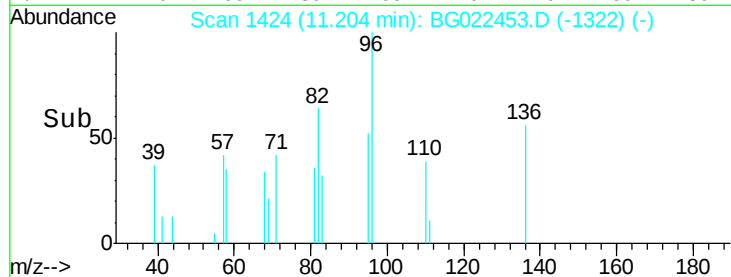
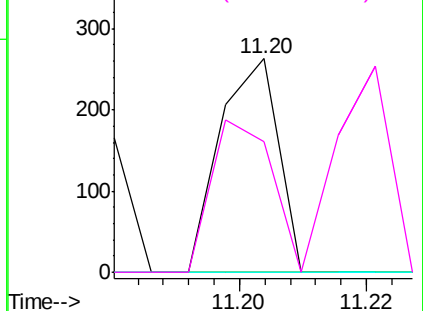
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.20 min Scan# 1424
Delta R.T. 0.30 min
Lab File: BG022453.D
Acq: 20 Jun 2016 23:01

Instrument :
BNA_G
ClientSampled :
W-43

Tgt Ion:	136	Resp:	165
Ion	Ratio	Lower	Upper
136	100		
137	0.0	9.0	13.4#
54	0.0	9.6	14.4#
68	61.2	6.4	9.6#

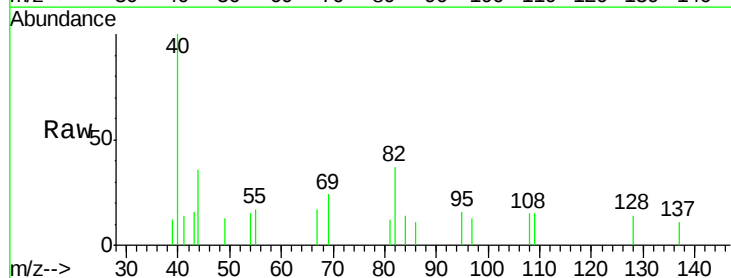


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

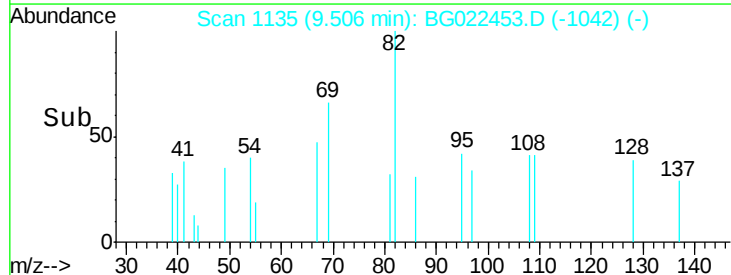
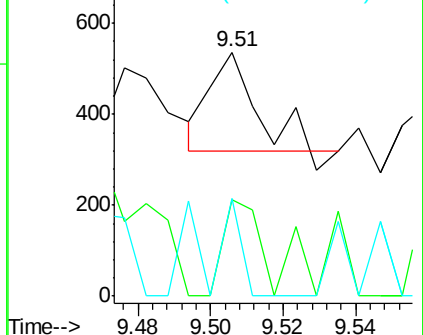


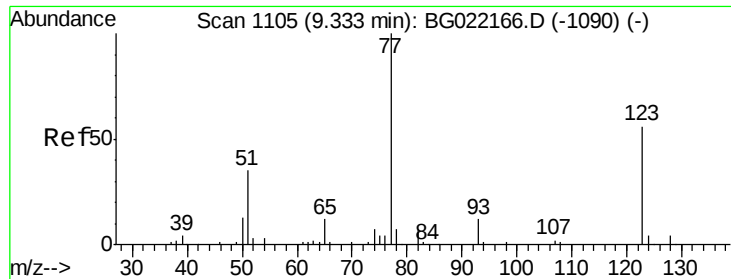
#23
Nitrobenzene-d5
Concen: 77.75 ng
RT: 9.51 min Scan# 1135
Delta R.T. 0.25 min
Lab File: BG022453.D
Acq: 20 Jun 2016 23:01

Tgt Ion:	82	Resp:	184
Ion	Ratio	Lower	Upper
82	100		
128	39.4	33.4	50.0
54	40.1	46.1	69.1#



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

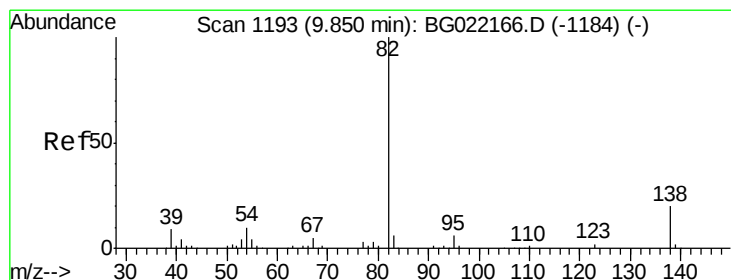
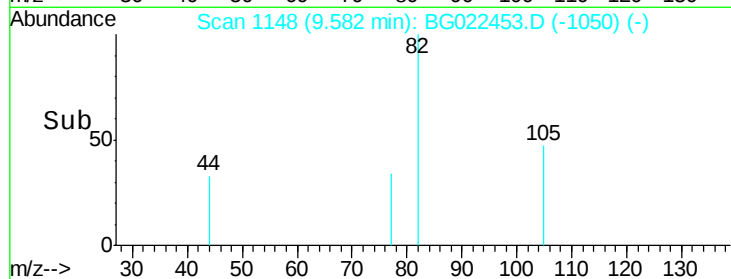
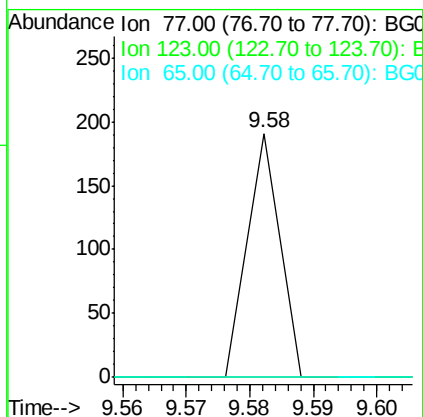
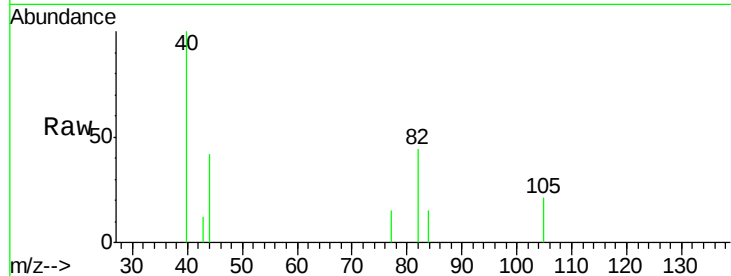




#24
 Nitrobenzene
 Concen: 28.15 ng
 RT: 9.58 min Scan# 1148
 Delta R.T. 0.28 min
 Lab File: BG022453.D
 Acq: 20 Jun 2016 23:01

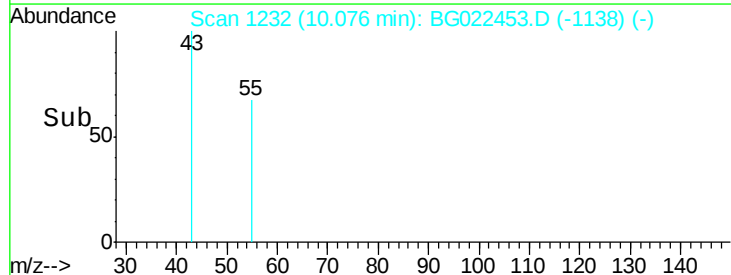
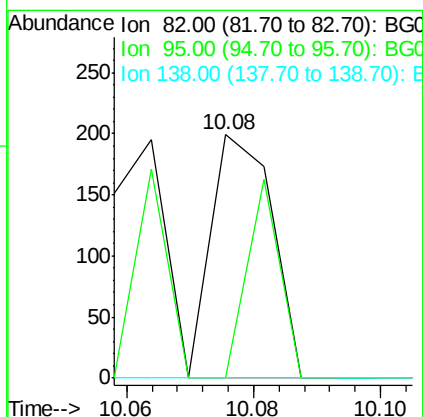
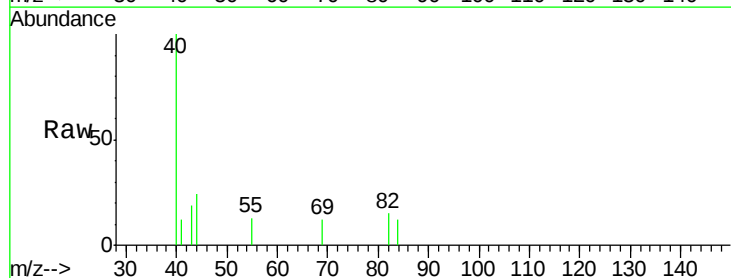
Instrument :
 BNA_G
 ClientSampled :
 W-43

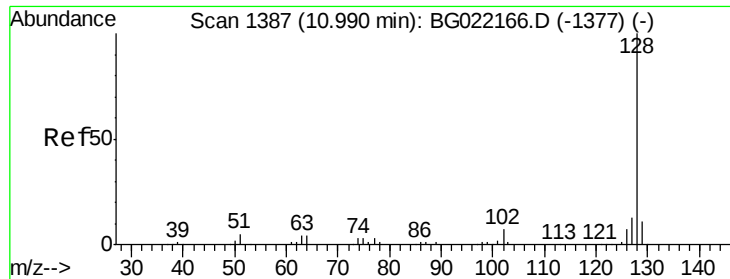
Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	32.2	48.4#
65	0.0	10.3	15.5#



#25
 Isophorone
 Concen: 23.66 ng
 RT: 10.08 min Scan# 1232
 Delta R.T. 0.25 min
 Lab File: BG022453.D
 Acq: 20 Jun 2016 23:01

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.0	9.0#
138	0.0	13.4	20.0#

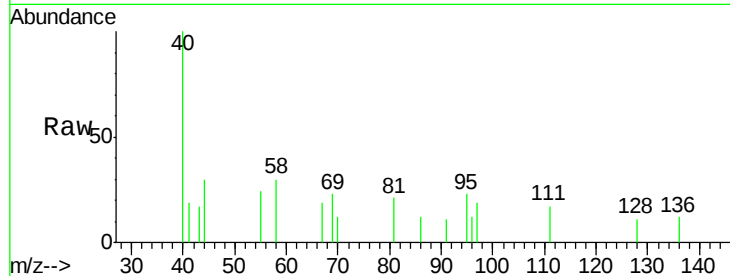




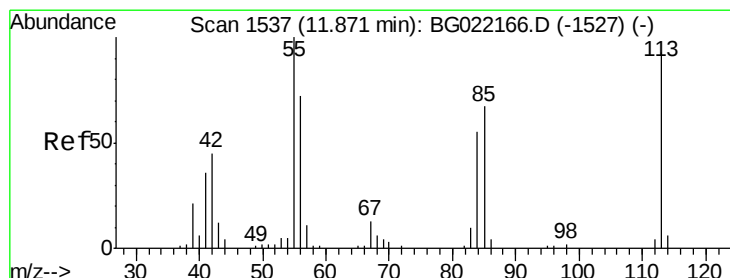
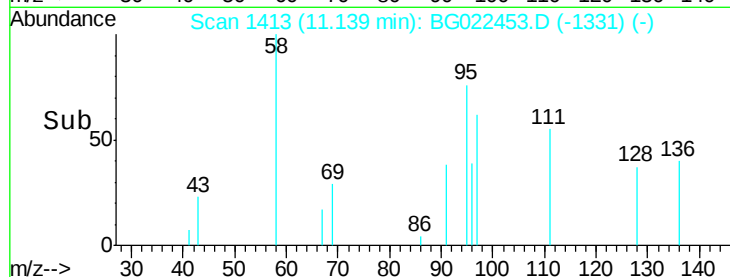
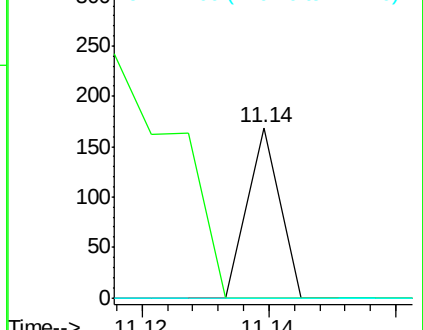
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Naphthalene
Concen: 7.29 ng
RT: 11.14 min Scan# 1413
Delta R.T. 0.18 min
Lab File: BG022453.D
Acq: 20 Jun 2016 23:01

Instrument :
BNA_G
ClientSampled :
W-43

Tgt Ion:128 Resp: 60
Ion Ratio Lower Upper
128 100
129 0.0 7.0 10.6#
127 0.0 10.1 15.1#

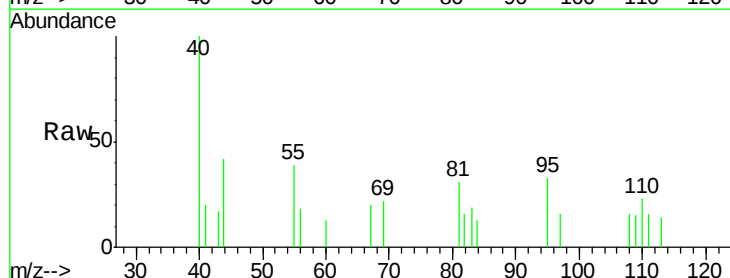


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

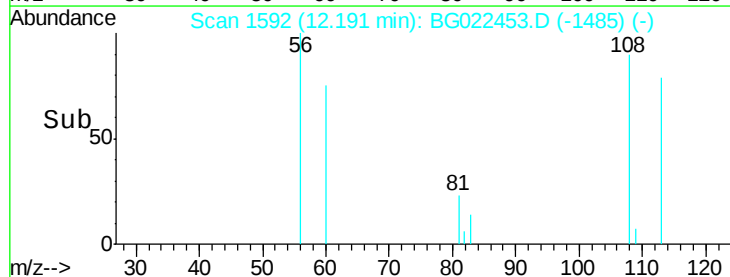
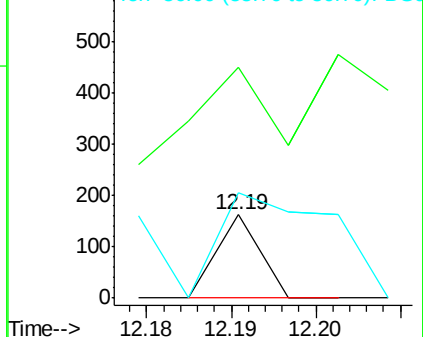


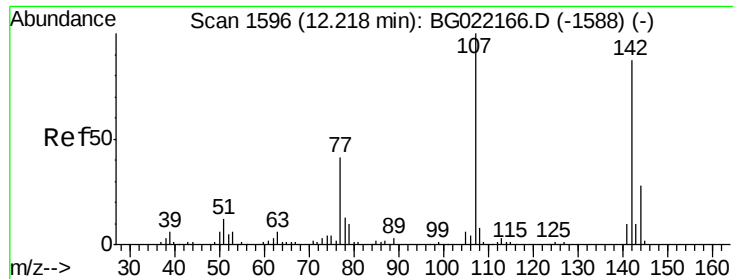
#35
Caprolactam
Concen: 48.02 ng
RT: 12.19 min Scan# 1592
Delta R.T. 0.33 min
Lab File: BG022453.D
Acq: 20 Jun 2016 23:01

Tgt Ion:113 Resp: 57
Ion Ratio Lower Upper
113 100
55 277.2 194.2 234.2#
56 126.5 122.6 162.6



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BGC
Ion 56.00 (55.70 to 56.70): BGC

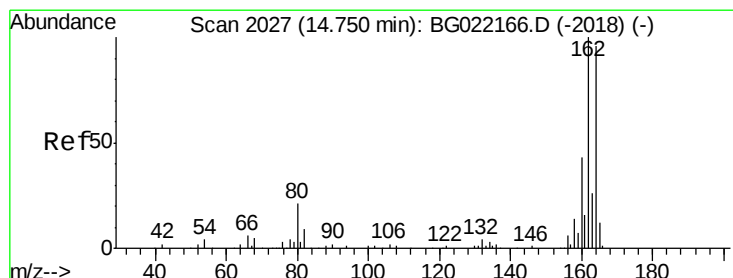
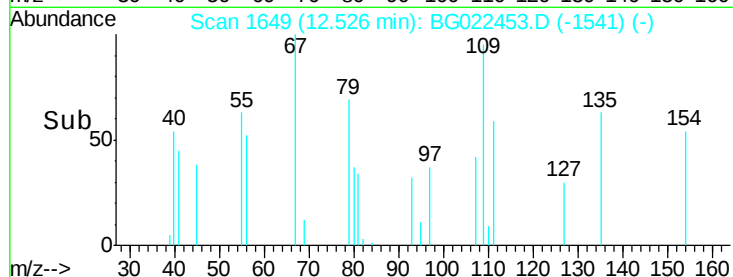
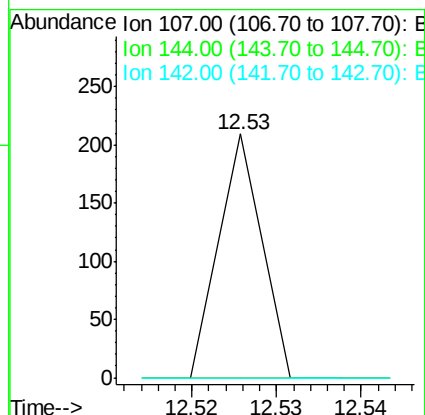
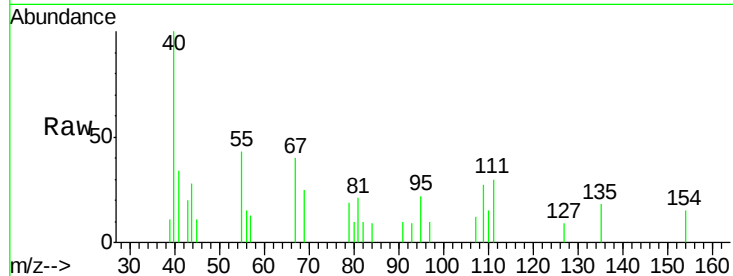




#36
4-Chloro-3-methylphenol
Concen: 28.85 ng
RT: 12.53 min Scan# 1649
Delta R.T. 0.33 min
Lab File: BG022453.D
Acq: 20 Jun 2016 23:01

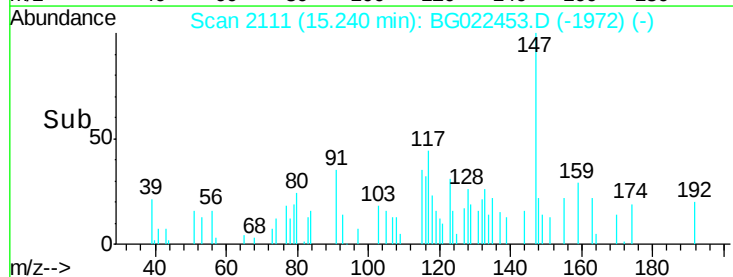
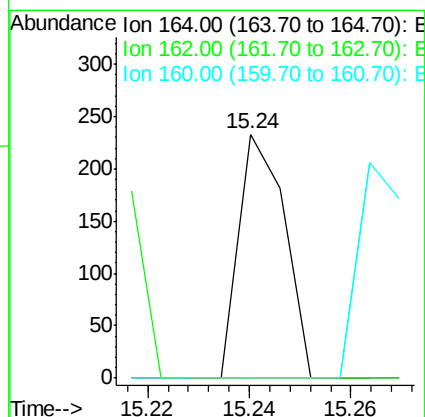
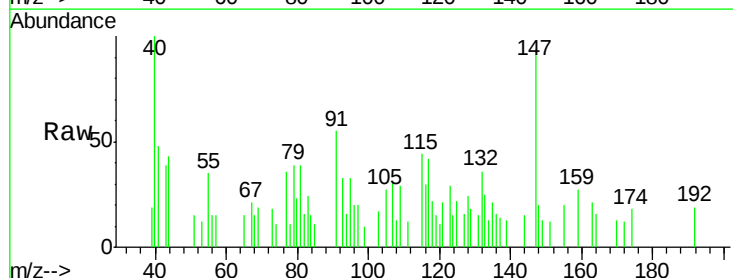
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BNA_G
ClientSampled :
W-43

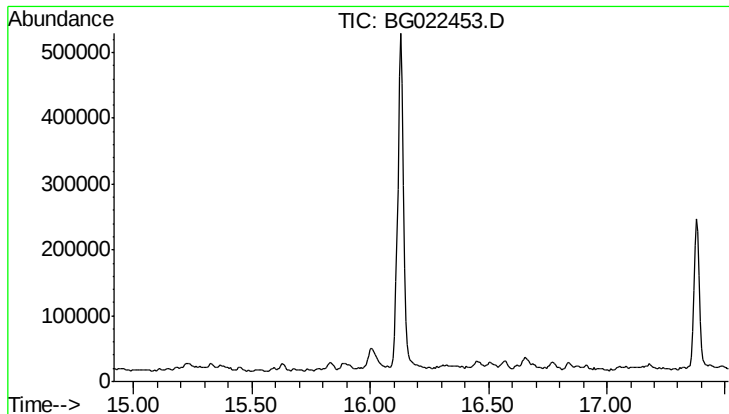
Tgt Ion:107 Resp: 74
Ion Ratio Lower Upper
107 100
144 0.0 19.2 28.8#
142 0.0 59.1 88.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.24 min Scan# 2111
Delta R.T. 0.52 min
Lab File: BG022453.D
Acq: 20 Jun 2016 23:01

Tgt Ion:164 Resp: 146
Ion Ratio Lower Upper
164 100
162 0.0 78.0 117.0#
160 0.0 32.9 49.3#





#41

2,4,6-Tribromophenol

Concen: 0.00 ng

Expected RT: 16.22 min

Lab File: BG022453.D

Acq: 20 Jun 2016 23:01

Instrument :

BNA_G

ClientSampleId :

W-43

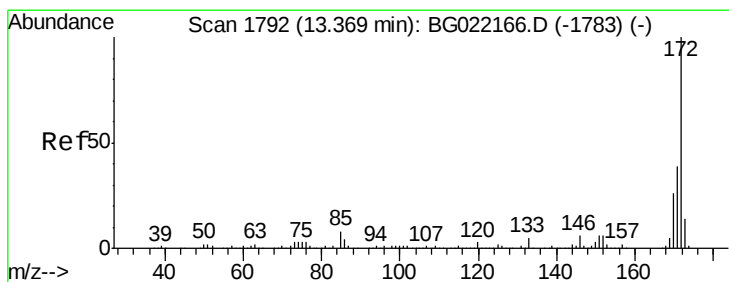
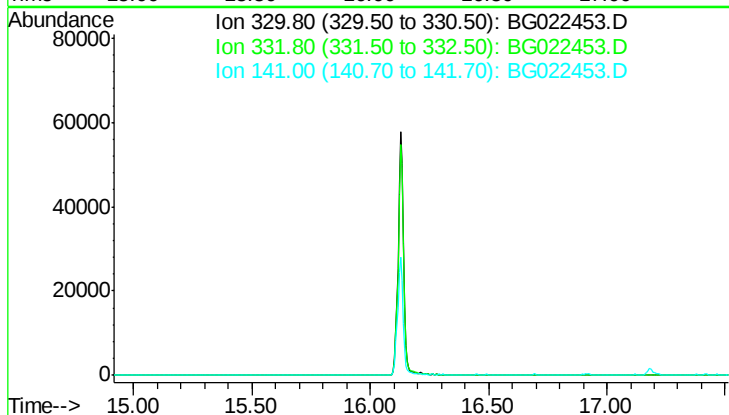
Tgt Ion: 330

Sig Exp Ratio

330 100

332 97.5

141 42.3



#44

2-Fluorobiphenyl

Concen: 7.93 ng

RT: 13.81 min Scan# 1868

Delta R.T. 0.47 min

Lab File: BG022453.D

Acq: 20 Jun 2016 23:01

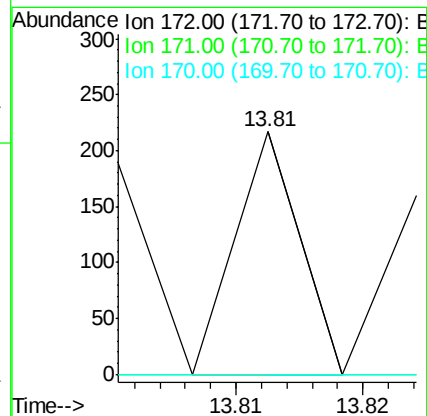
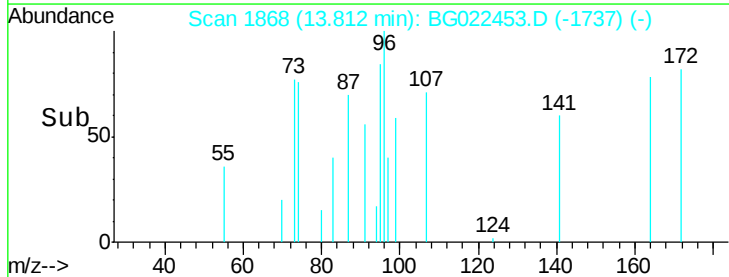
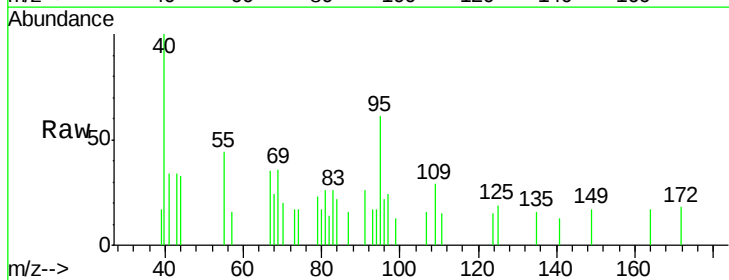
Tgt Ion: 172 Resp: 76

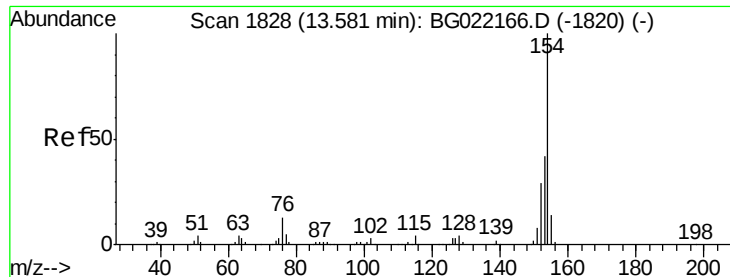
Ion Ratio Lower Upper

172 100

171 0.0 27.8 41.6#

170 0.0 19.6 29.4#

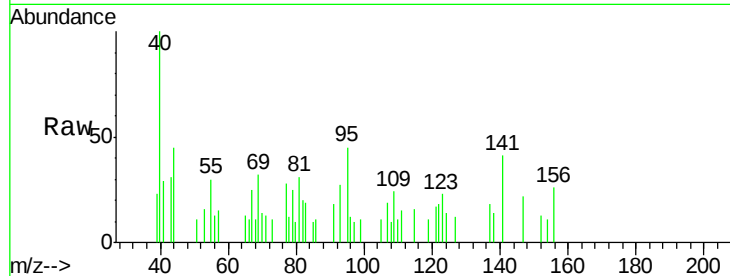




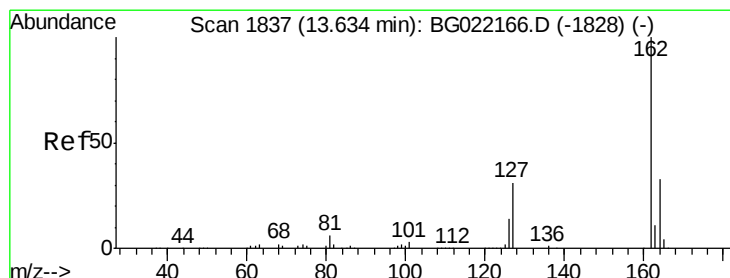
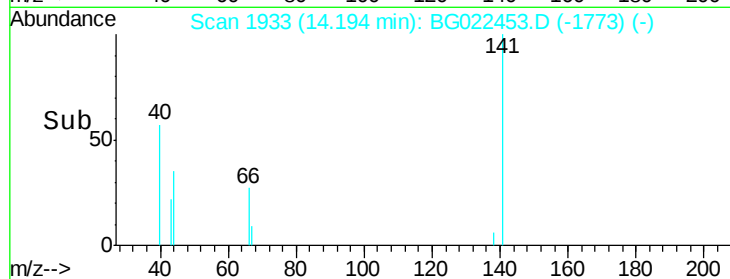
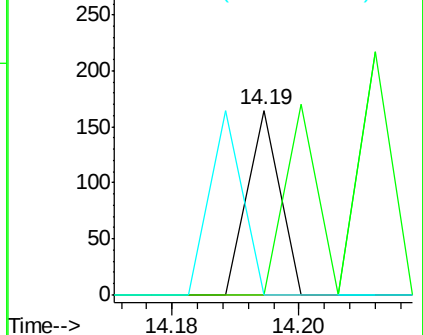
#45
 1,1'-Biphenyl
 Concen: 5.28 ng
 RT: 14.19 min Scan# 1933
 Delta R.T. 0.64 min
 Lab File: BG022453.D
 Acq: 20 Jun 2016 23:01

Instrument :
 BNA_G
 ClientSampleId :
 W-43

Tgt Ion:154 Resp: 58
 Ion Ratio Lower Upper
 154 100
 153 0.0 19.7 59.7#
 76 0.0 0.0 33.0

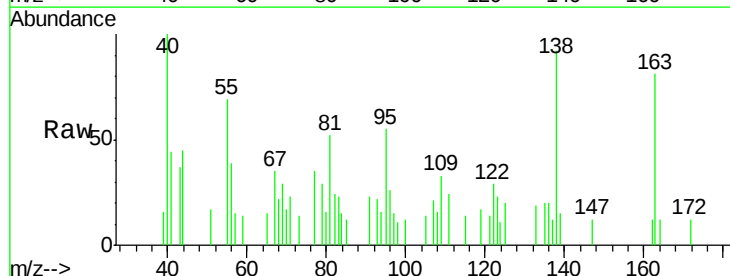


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

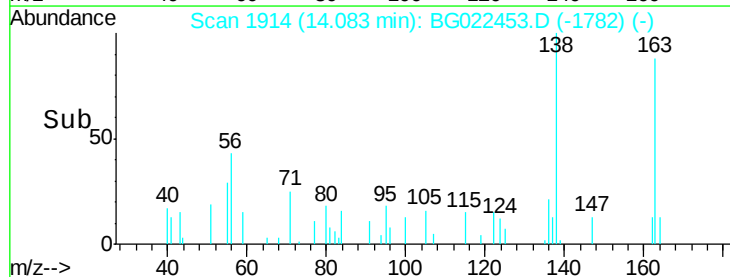
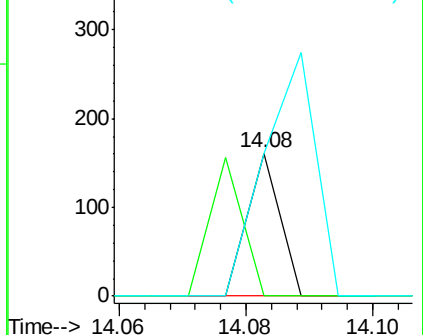


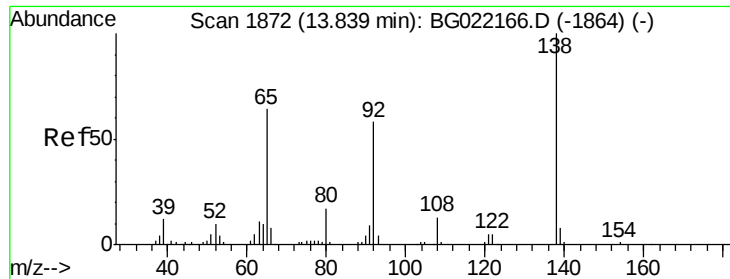
#46
 2-Chloronaphthalene
 Concen: 6.77 ng
 RT: 14.08 min Scan# 1914
 Delta R.T. 0.48 min
 Lab File: BG022453.D
 Acq: 20 Jun 2016 23:01

Tgt Ion:162 Resp: 57
 Ion Ratio Lower Upper
 162 100
 127 0.0 32.0 48.0#
 164 99.4 27.0 40.4#



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

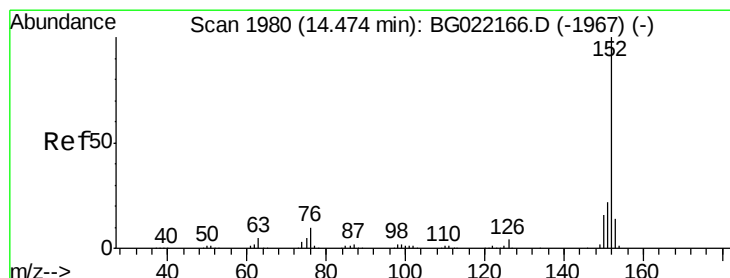
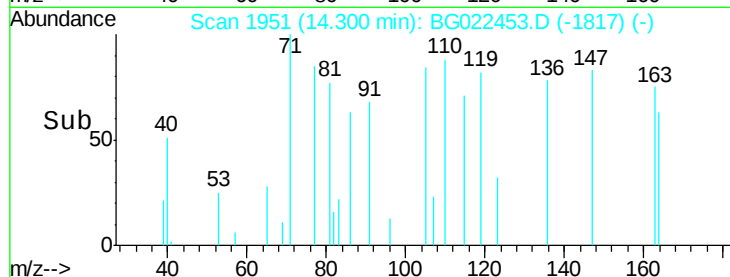
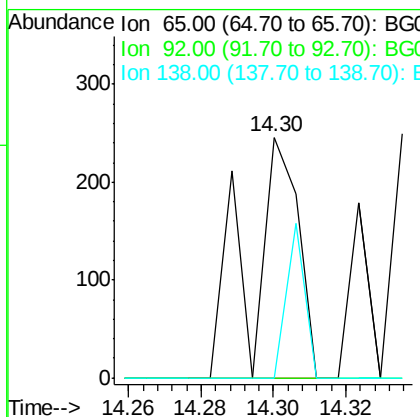
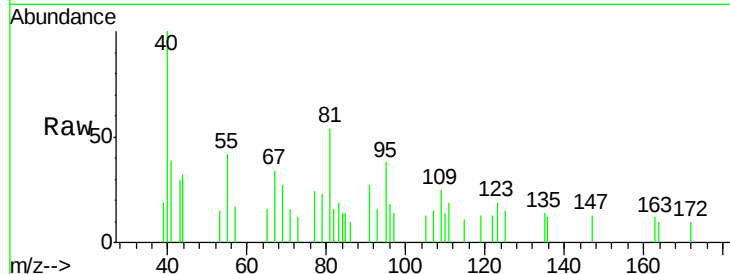




#47
2-Nitroaniline
Concen: 113.03 ng
RT: 14.30 min Scan# 1951
Delta R.T. 0.49 min
Lab File: BG022453.D
Acq: 20 Jun 2016 23:01

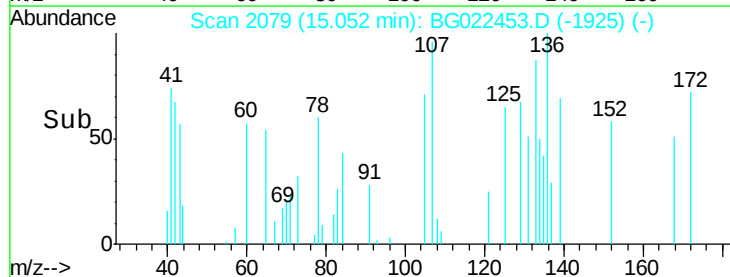
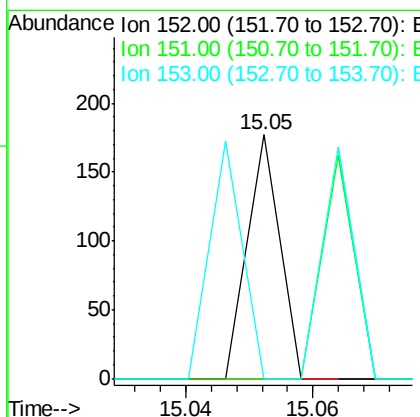
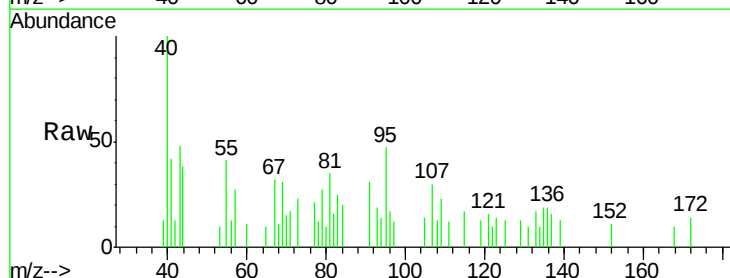
Instrument :
BNA_G
ClientSampled :
W-43

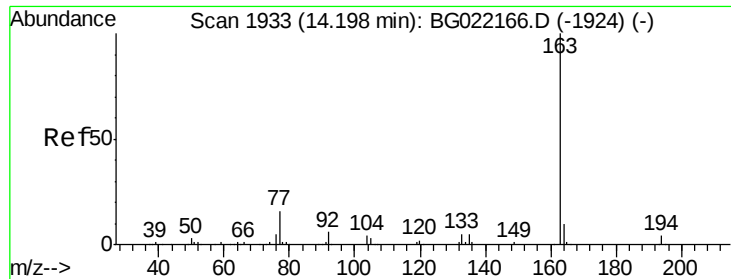
Tgt Ion: 65 Resp: 227
Ion Ratio Lower Upper
65 100
92 0.0 49.2 73.8#
138 0.0 75.0 112.6#



#48
Acenaphthylene
Concen: 4.20 ng
RT: 15.05 min Scan# 2079
Delta R.T. 0.60 min
Lab File: BG022453.D
Acq: 20 Jun 2016 23:01

Tgt Ion: 152 Resp: 62
Ion Ratio Lower Upper
152 100
151 0.0 16.6 24.8#
153 0.0 10.2 15.2#





#49

Dimethylphthalate

Concen: 1761.52 ng

RT: 14.64 min Scan# 2008

Delta R.T. 0.46 min

Lab File: BG022453.D

Acq: 20 Jun 2016 23:01

Instrument :

BNA_G

ClientSampleId :

W-43

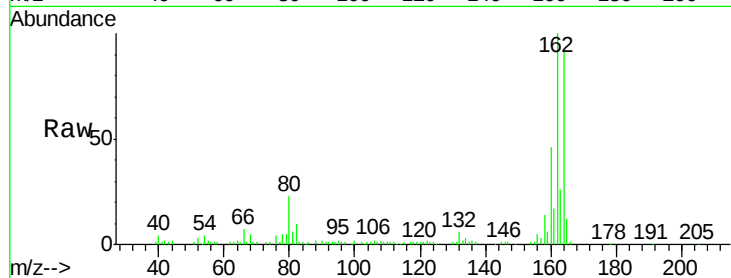
Tgt Ion:163 Resp: 21324

Ion Ratio Lower Upper

163 100

194 0.0 3.0 4.6#

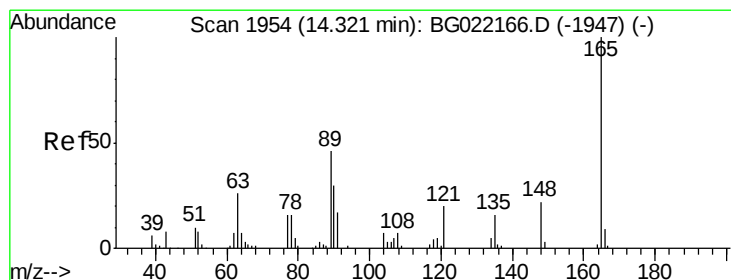
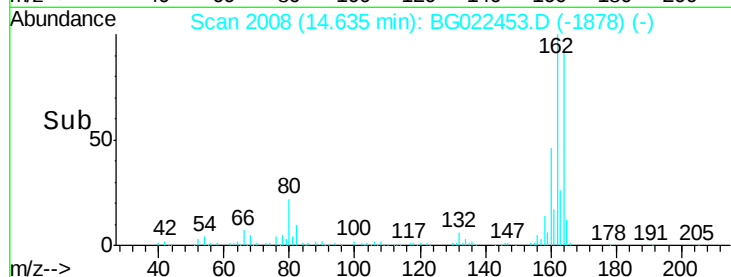
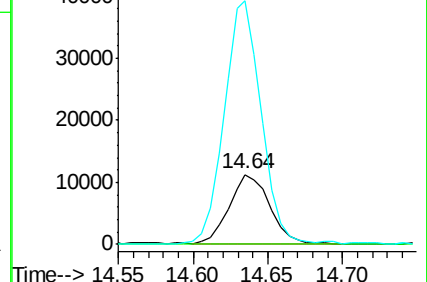
164 349.9 8.1 12.1#



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



#50

2,6-Dinitrotoluene

Concen: 3513.83 ng

RT: 14.63 min Scan# 2007

Delta R.T. 0.33 min

Lab File: BG022453.D

Acq: 20 Jun 2016 23:01

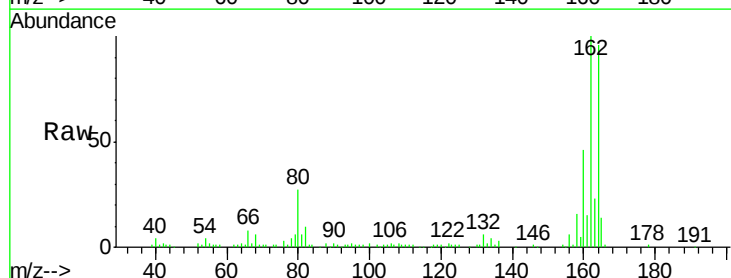
Tgt Ion:165 Resp: 9247

Ion Ratio Lower Upper

165 100

63 3.8 48.2 72.4#

89 2.9 45.3 67.9#



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

