

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG100616\
 Data File : BG024190.D
 Acq On : 6 Oct 2016 3:57
 Operator : UM/SJ
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDICCC040

Quant Time: Oct 06 07:04:58 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG100616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 06 07:02:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.30	152	134041	20.00	ng	0.00
21) Naphthalene-d8	11.14	136	587711	20.00	ng	0.00
38) Acenaphthene-d10	14.92	164	480599	20.00	ng	0.00
63) Phenanthrene-d10	17.66	188	1054429	20.00	ng	0.00
75) Chrysene-d12	21.96	240	1074832	20.00	ng	0.00
86) Perylene-d12	25.42	264	1073149	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.83	112	611388	40.48	ng	0.00
7) Phenol-d6	7.44	99	923189	41.81	ng	0.00
23) Nitrobenzene-d5	9.48	82	1011980	43.27	ng	0.00
41) 2,4,6-Tribromophenol	16.40	330	483642	40.76	ng	0.00
44) 2-Fluorobiphenyl	13.55	172	2099598	40.56	ng	0.00
78) Terphenyl-d14	20.24	244	2978515	40.83	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.69	88	112561	38.90	ng	100
3) Pyridine	4.11	79	368117	44.15	ng	100
4) n-Nitrosodimethylamine	4.01	42	225121	40.62	ng	100
6) Aniline	7.63	93	626539	40.59	ng	100
8) 2-Chlorophenol	7.86	128	345543	40.18	ng	100
9) Benzaldehyde	7.44	77	248615	42.07	ng	100
10) Phenol	7.46	94	498068	40.25	ng	100
11) bis(2-Chloroethyl)ether	7.71	93	367882	39.56	ng	100
12) 1,3-Dichlorobenzene	8.19	146	384634	39.91	ng	100
13) 1,4-Dichlorobenzene	8.34	146	391062	40.20	ng	100
14) 1,2-Dichlorobenzene	8.67	146	371857	39.76	ng	100
15) Benzyl Alcohol	8.54	79	425996	41.17	ng	100
16) 2,2'-oxybis(1-Chloropropan	8.82	45	769578	39.38	ng	100
17) 2-Methylphenol	8.73	107	319263	40.37	ng	100
18) Hexachloroethane	9.41	117	155425	39.69	ng	100
19) n-Nitroso-di-n-propylamine	9.11	70	377658	40.06	ng	100
20) 3+4-Methylphenols	9.06	107	438513	40.14	ng	100
22) Acetophenone	9.14	105	593947	40.73	ng	100
24) Nitrobenzene	9.52	77	557806	42.80	ng	100
25) Isophorone	10.05	82	1022825	42.07	ng	100
26) 2-Nitrophenol	10.24	139	203174	43.67	ng	100
27) 2,4-Dimethylphenol	10.28	122	394723	40.31	ng	100
28) bis(2-Chloroethoxy)methane	10.52	93	543225	41.63	ng	100
29) 2,4-Dichlorophenol	10.77	162	393531	42.11	ng	100
30) 1,2,4-Trichlorobenzene	10.99	180	421058	40.08	ng	100
31) Naphthalene	11.19	128	1108846	40.46	ng	100
32) Benzoic acid	10.40	122	314977	43.31	ng	100
33) 4-Chloroaniline	11.29	127	520818	41.20	ng	100
34) Hexachlorobutadiene	11.46	225	322571	40.86	ng	100
35) Caprolactam	12.09	113	138825	41.19	ng	100
36) 4-Chloro-3-methylphenol	12.37	107	506213	41.42	ng	100
37) 2-Methylnaphthalene	12.77	142	844729	41.63	ng	100
39) 1,2,4,5-Tetrachlorobenzene	13.12	216	548617	38.77	ng	100
40) Hexachlorocyclopentadiene	13.10	237	391998	41.31	ng	100

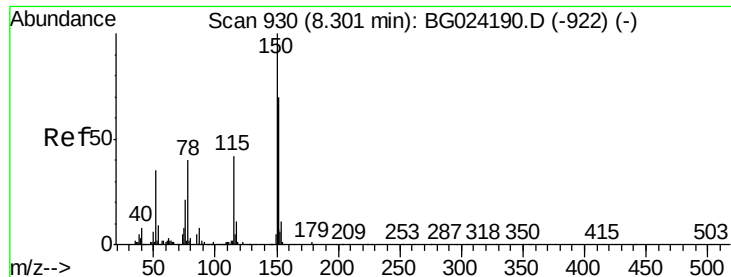
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG100616\
 Data File : BG024190.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.35	196	370013	40.02	ng	100
43) 2,4,5-Trichlorophenol	13.42	196	380264	40.28	ng	100
45) 1,1'-Biphenyl	13.76	154	1268997	40.35	ng	100
46) 2-Chloronaphthalene	13.81	162	966109	40.22	ng	100
47) 2-Nitroaniline	14.01	65	372082	41.81	ng	100
48) Acenaphthylene	14.65	152	1499913	40.44	ng	100
49) Dimethylphthalate	14.36	163	1320352	40.82	ng	100
50) 2,6-Dinitrotoluene	14.49	165	283138	43.26	ng	100
51) Acenaphthene	14.99	154	1043220	40.31	ng	100
52) 3-Nitroaniline	14.82	138	272782	43.39	ng	100
53) 2,4-Dinitrophenol	15.02	184	166038	41.72	ng	100
54) Dibenzofuran	15.32	168	1448787	40.33	ng	100
55) 4-Nitrophenol	15.10	139	251467	42.90	ng	100
56) 2,4-Dinitrotoluene	15.27	165	393695	43.35	ng	100
57) Fluorene	15.96	166	1237122	40.43	ng	100
58) 2,3,4,6-Tetrachlorophenol	15.53	232	359778	40.63	ng	100
59) Diethylphthalate	15.72	149	1367021	40.54	ng	100
60) 4-Chlorophenyl-phenylether	15.95	204	690958	39.34	ng	100
61) 4-Nitroaniline	15.98	138	294130	43.00	ng	100
62) Azobenzene	16.24	77	1365024	40.23	ng	100
64) 4,6-Dinitro-2-methylphenol	16.03	198	258492	43.61	ng	100
65) n-Nitrosodiphenylamine	16.16	169	1150021	39.64	ng	100
66) 4-Bromophenyl-phenylether	16.84	248	481567	41.09	ng	100
67) Hexachlorobenzene	16.96	284	533281	39.80	ng	100
68) Atrazine	17.10	200	401693	39.44	ng	100
69) Pentachlorophenol	17.30	266	347386	40.43	ng	100
70) Phenanthrene	17.70	178	1949337	39.78	ng	100
71) Anthracene	17.80	178	1999651	40.55	ng	100
72) Carbazole	18.06	167	1809955	40.69	ng	100
73) Di-n-butylphthalate	18.59	149	2101570	41.10	ng	100
74) Fluoranthene	19.69	202	2205410	40.07	ng	100
76) Benzidine	19.86	184	1080181	43.90	ng	100
77) Pyrene	20.05	202	2298748	42.76	ng	100
79) Butylbenzylphthalate	20.93	149	966212	39.97	ng	100
80) Benzo(a)anthracene	21.94	228	2293049	40.87	ng	100
81) 3,3'-Dichlorobenzidine	21.85	252	935825	40.74	ng	100
82) Chrysene	22.01	228	2195486	40.79	ng	100
83) Bis(2-ethylhexyl)phthalate	21.82	149	1338467	40.15	ng	100
84) Di-n-octyl phthalate	23.12	149	2255898	41.16	ng	100
85) Indeno(1,2,3-cd)pyrene	29.41	276	2656949	40.91	ng	100
87) Benzo(b)fluoranthene	24.31	252	2233908	39.59	ng	100
88) Benzo(k)fluoranthene	24.39	252	2304667	41.15	ng	100
89) Benzo(a)pyrene	25.26	252	2150731	39.37	ng	100
90) Dibenzo(a,h)anthracene	29.48	278	2213380	40.41	ng	100
91) Benzo(g,h,i)perylene	30.66	276	2147634	39.84	ng	100

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.30 min Scan# 930

Delta R.T. 0.00 min

Lab File: BG024190.D

Acq: 6 Oct 2016 3:57

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

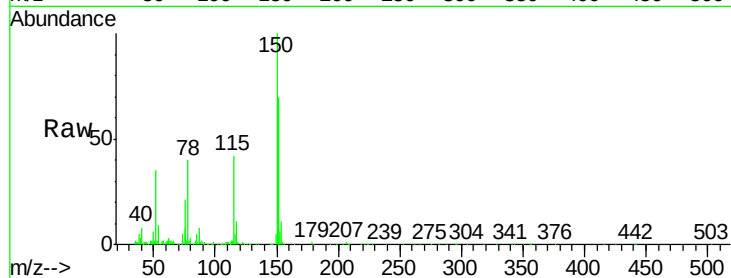
Tgt Ion:152 Resp: 134041

Ion Ratio Lower Upper

152 100

150 142.5 114.0 171.0

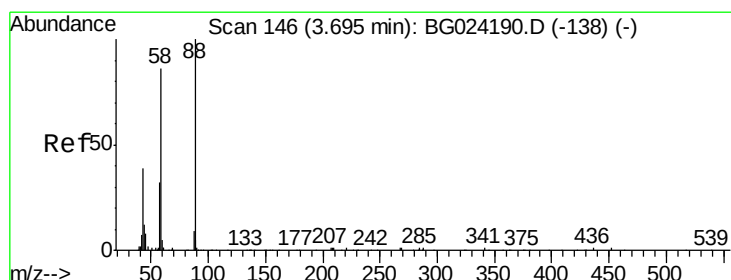
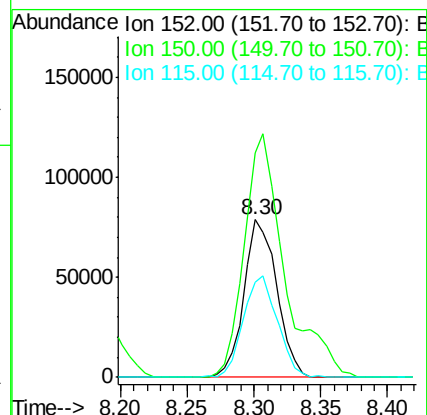
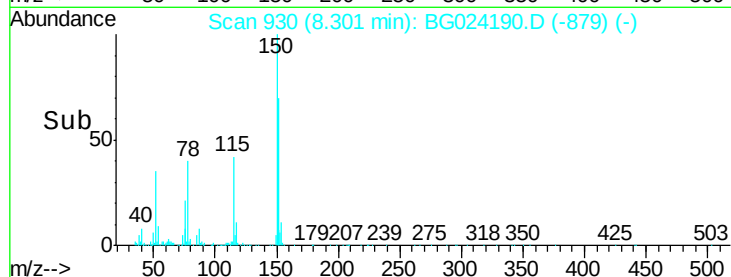
115 60.1 48.1 72.1



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



#2

1,4-Dioxane

Concen: 38.90 ng

RT: 3.69 min Scan# 146

Delta R.T. 0.00 min

Lab File: BG024190.D

Acq: 6 Oct 2016 3:57

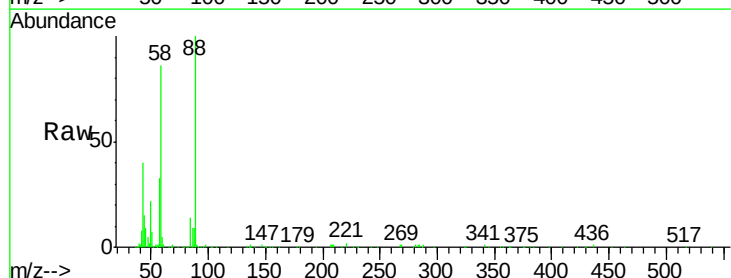
Tgt Ion: 88 Resp: 112561

Ion Ratio Lower Upper

88 100

58 99.3 79.4 119.2

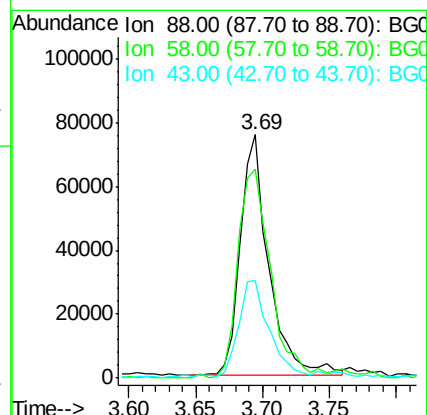
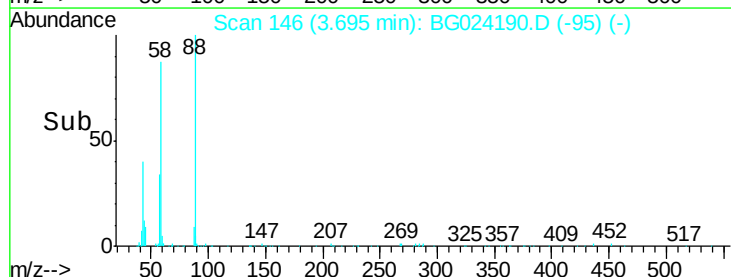
43 42.2 33.8 50.6

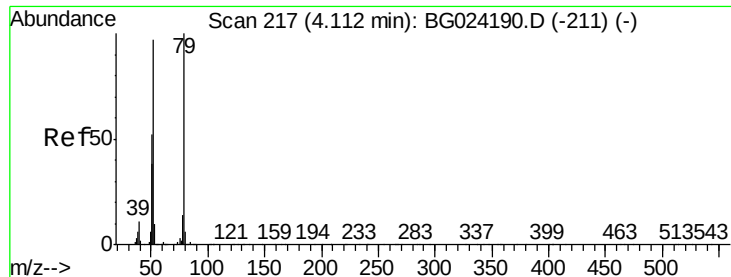


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 44.15 ng

RT: 4.11 min Scan# 217

Delta R.T. 0.00 min

Lab File: BG024190.D

Acq: 6 Oct 2016 3:57

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

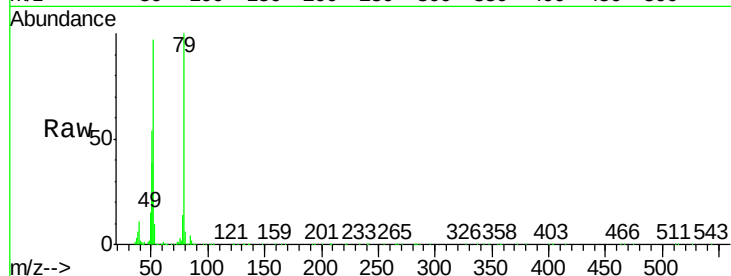
Tgt Ion: 79 Resp: 368117

Ion Ratio Lower Upper

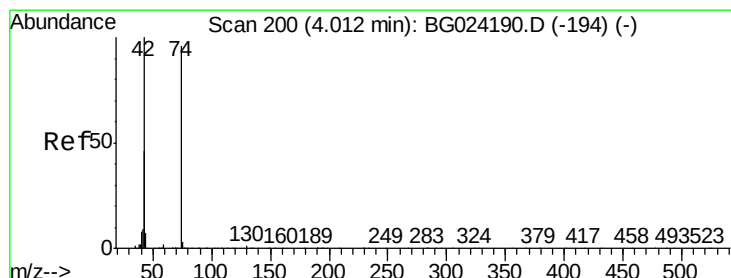
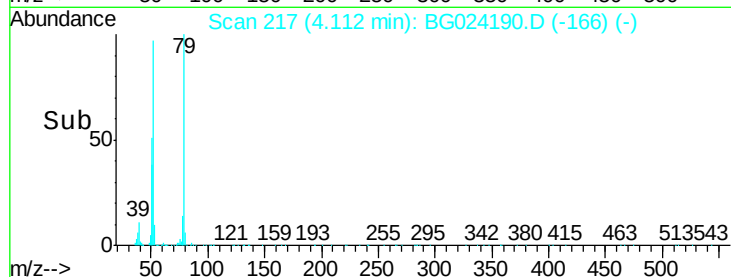
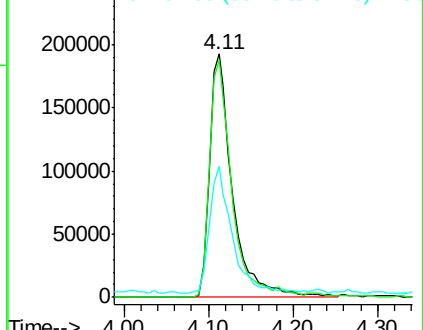
79 100

52 97.2 77.8 116.6

51 54.0 43.2 64.8



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 40.62 ng

RT: 4.01 min Scan# 200

Delta R.T. 0.00 min

Lab File: BG024190.D

Acq: 6 Oct 2016 3:57

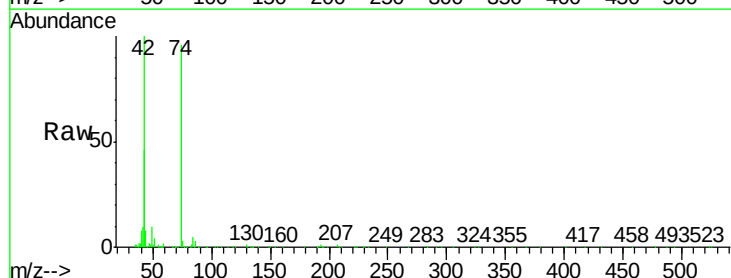
Tgt Ion: 42 Resp: 225121

Ion Ratio Lower Upper

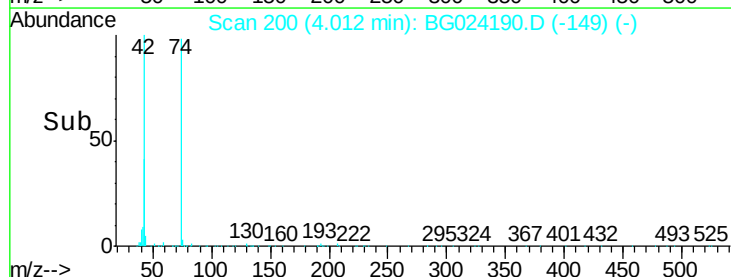
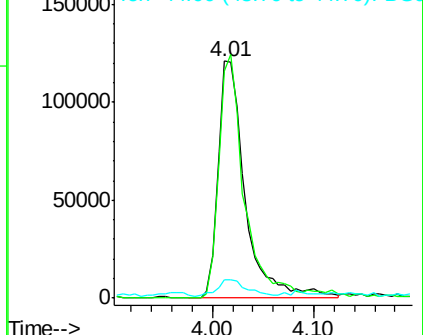
42 100

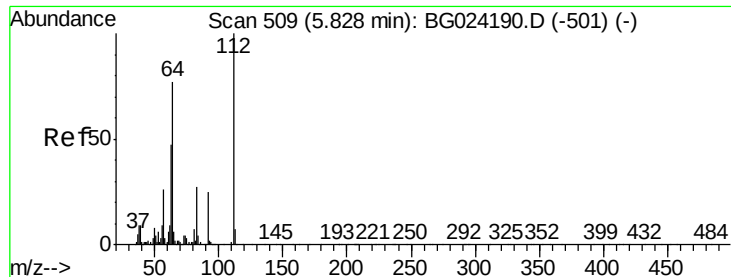
74 95.9 76.7 115.1

44 7.6 6.1 9.1



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 40.48 ng

RT: 5.83 min Scan# 509

Delta R.T. 0.00 min

Lab File: BG024190.D

Acq: 6 Oct 2016 3:57

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

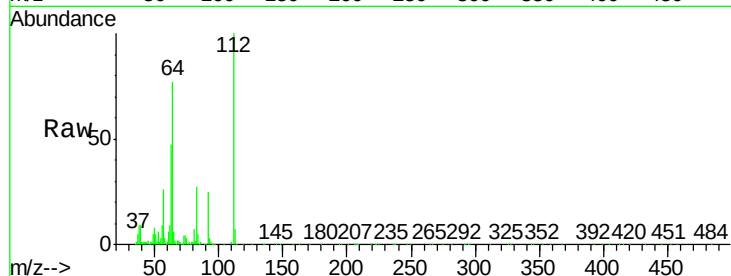
Tgt Ion: 112 Resp: 611388

Ion Ratio Lower Upper

112 100

64 77.2 61.8 92.6

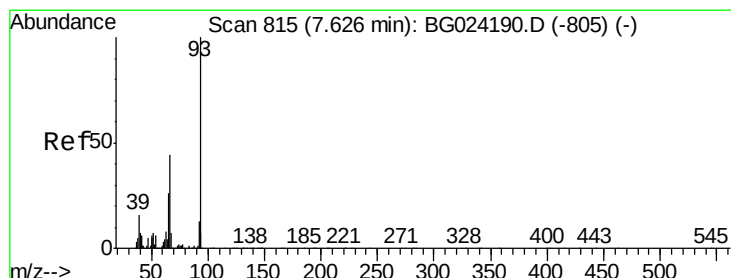
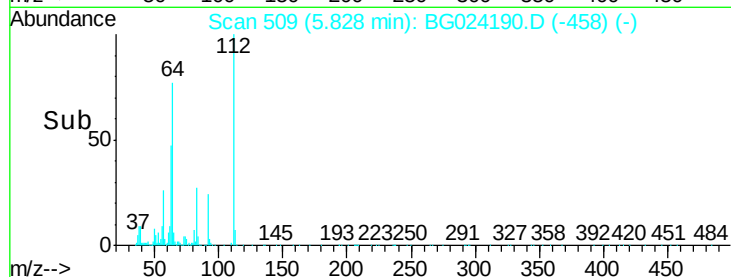
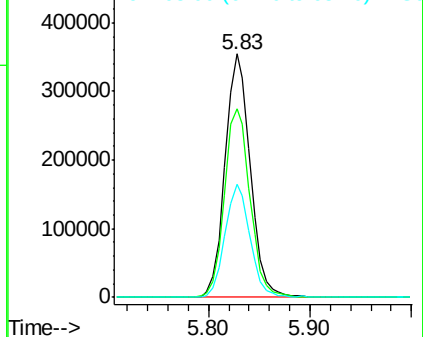
63 46.5 37.2 55.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 40.59 ng

RT: 7.63 min Scan# 815

Delta R.T. 0.00 min

Lab File: BG024190.D

Acq: 6 Oct 2016 3:57

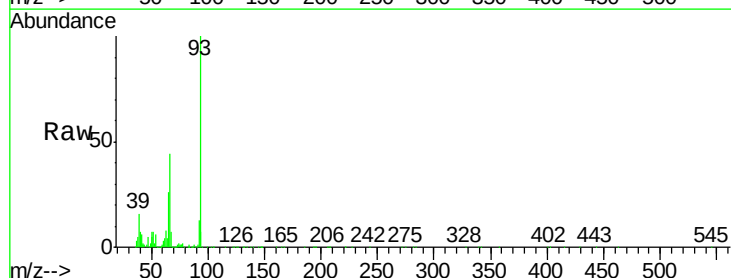
Tgt Ion: 93 Resp: 626539

Ion Ratio Lower Upper

93 100

66 44.3 35.4 53.2

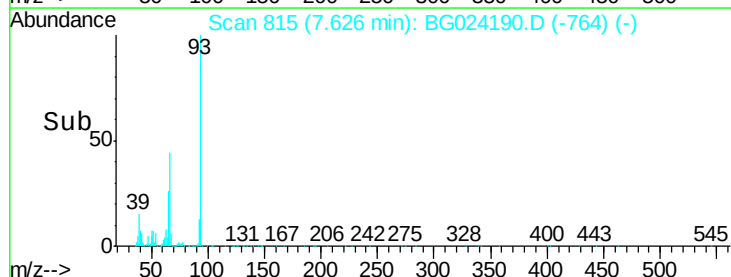
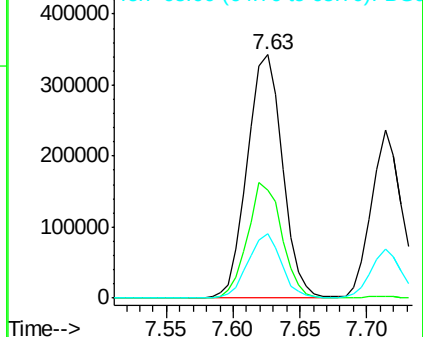
65 26.5 21.2 31.8

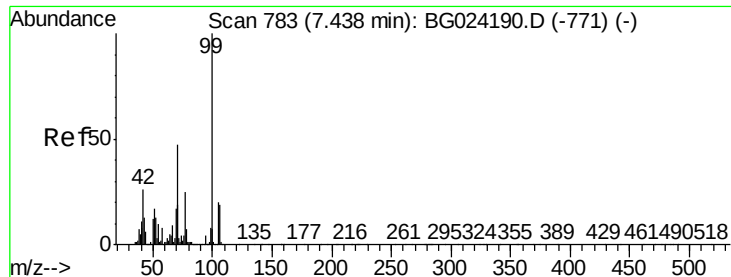


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 41.81 ng

RT: 7.44 min Scan# 783

Delta R.T. 0.00 min

Lab File: BG024190.D

Acq: 6 Oct 2016 3:57

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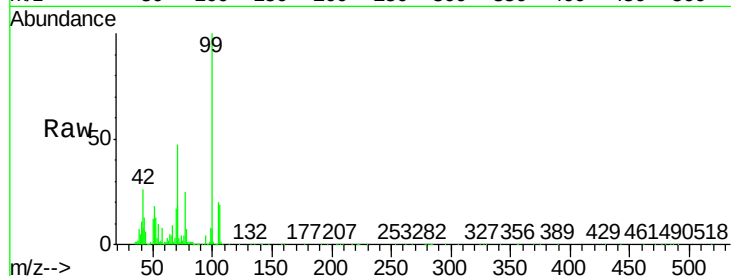
Tgt Ion: 99 Resp: 923189

Ion Ratio Lower Upper

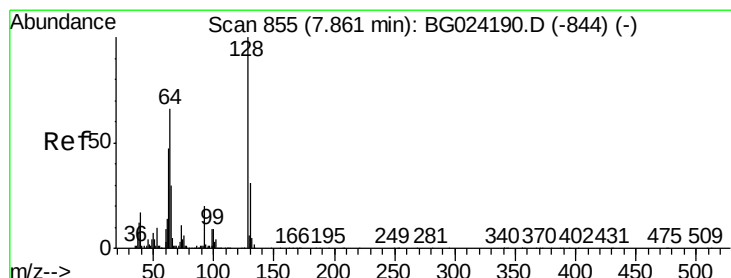
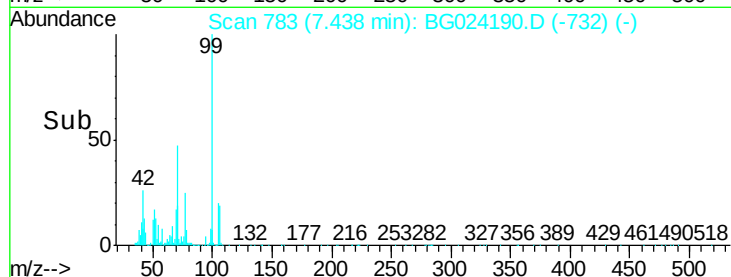
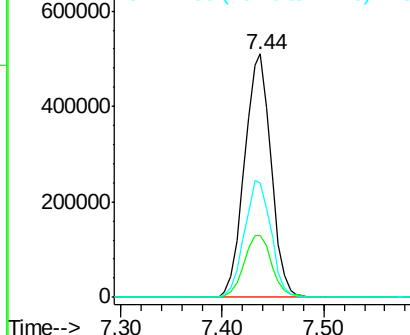
99 100

42 25.6 20.5 30.7

71 47.0 37.6 56.4



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



#8

2-Chlorophenol

Concen: 40.18 ng

RT: 7.86 min Scan# 855

Delta R.T. 0.00 min

Lab File: BG024190.D

Acq: 6 Oct 2016 3:57

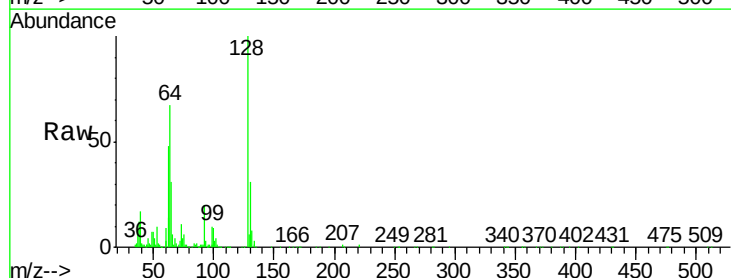
Tgt Ion: 128 Resp: 345543

Ion Ratio Lower Upper

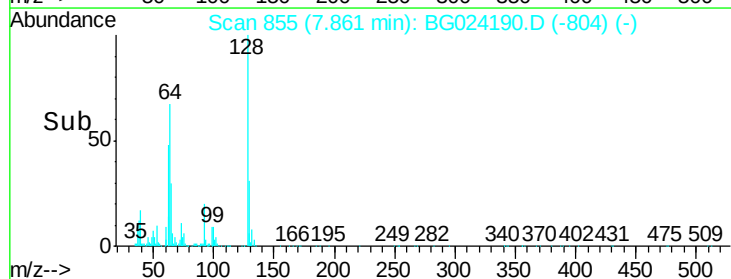
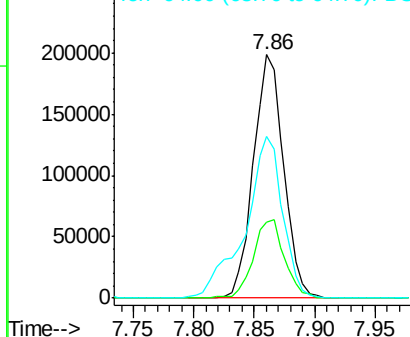
128 100

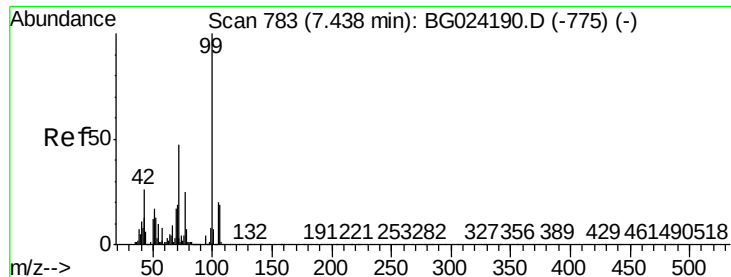
130 31.4 11.4 51.4

64 66.6 46.6 86.6



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 130.00 (129.70 to 130.70): BGC
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 42.07 ng

RT: 7.44 min Scan# 783

Delta R.T. 0.00 min

Lab File: BG024190.D

Acq: 6 Oct 2016 3:57

Instrument :

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ClientSampleId :

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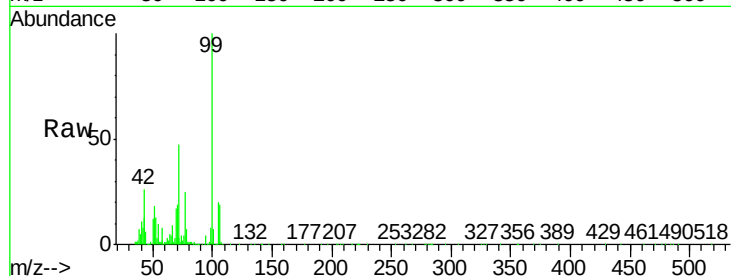
Tgt Ion: 77 Resp: 248615

Ion Ratio Lower Upper

77 100

105 80.9 60.9 100.9

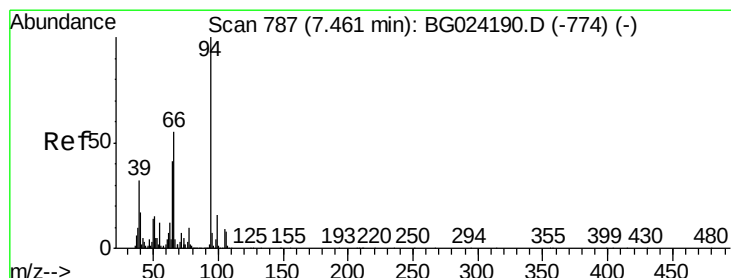
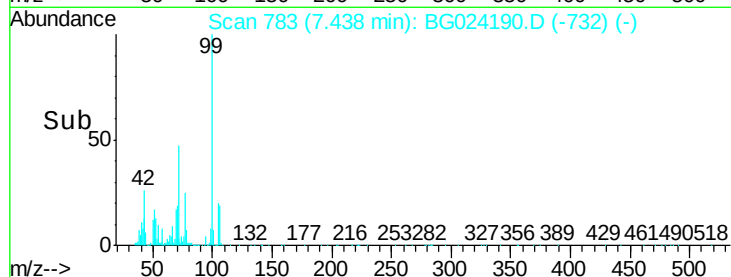
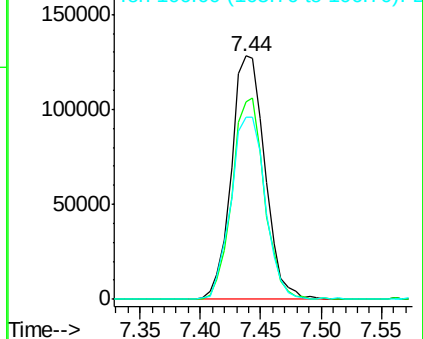
106 75.1 55.1 95.1



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: 40.25 ng

RT: 7.46 min Scan# 787

Delta R.T. 0.00 min

Lab File: BG024190.D

Acq: 6 Oct 2016 3:57

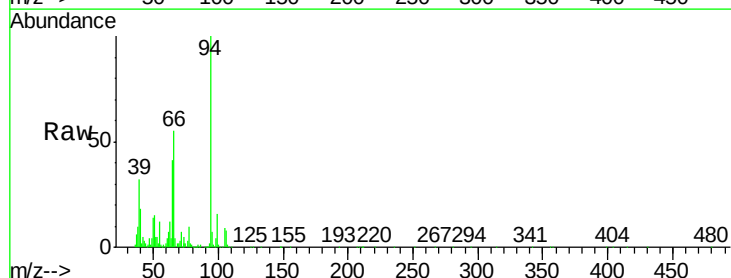
Tgt Ion: 94 Resp: 498068

Ion Ratio Lower Upper

94 100

65 40.6 20.6 60.6

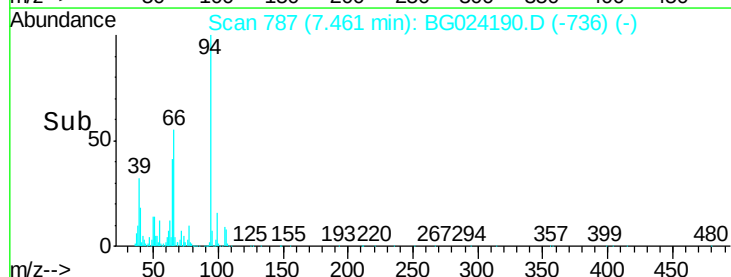
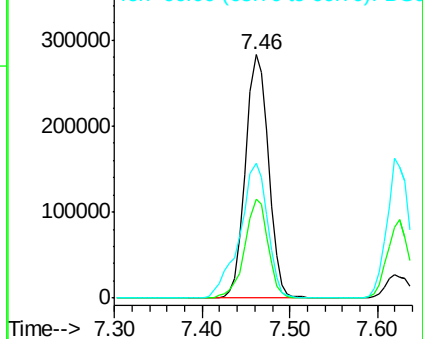
66 55.5 35.5 75.5

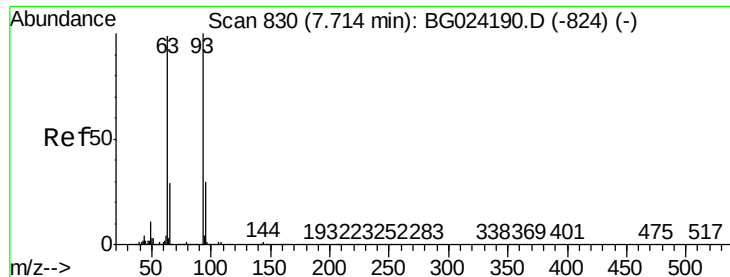


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

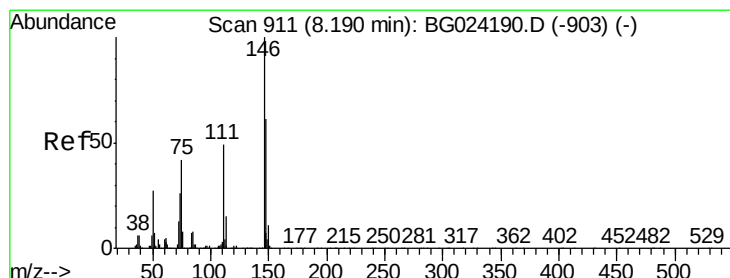
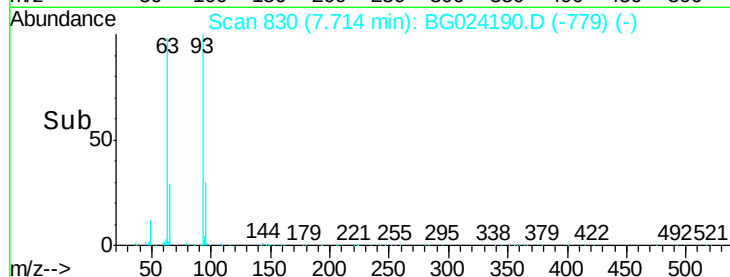
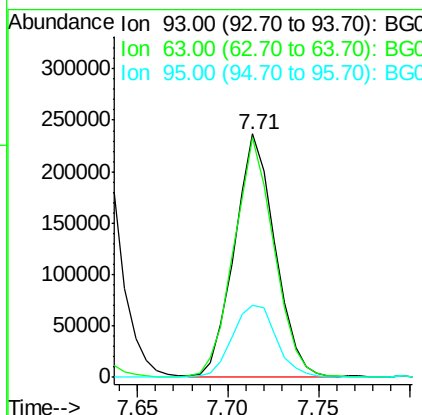
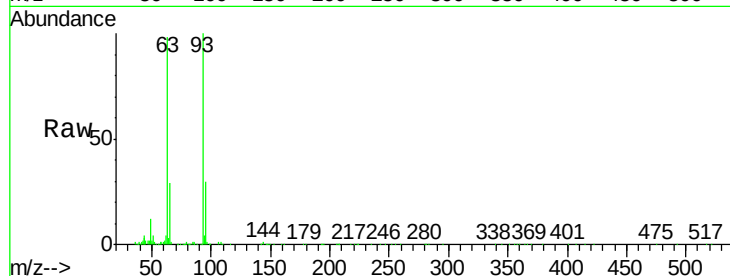




#11
bis(2-Chloroethyl)ether
Concen: 39.56 ng
RT: 7.71 min Scan# 830
Delta R.T. 0.00 min
Lab File: BG024190.D
Acq: 6 Oct 2016 3:57

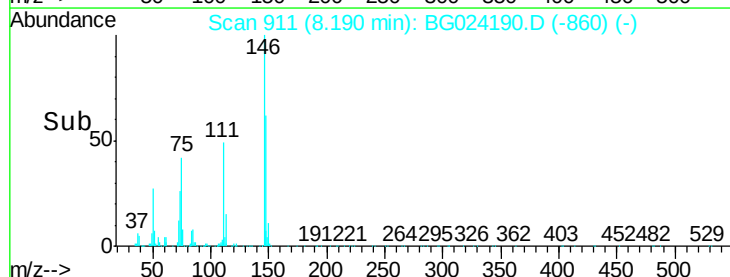
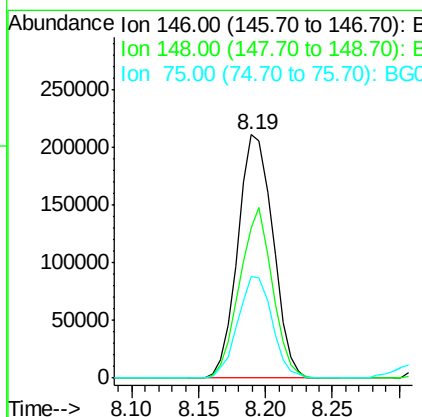
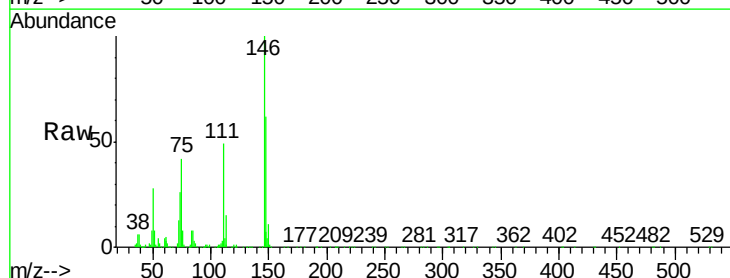
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

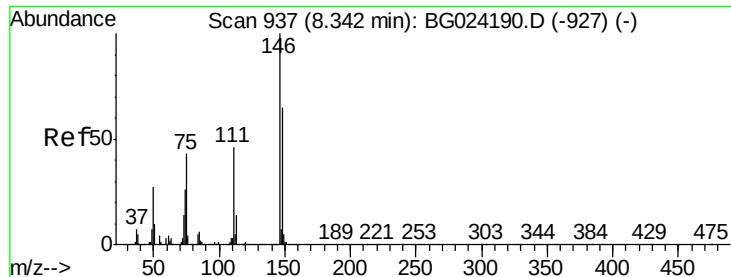
Tgt Ion	Ratio	Lower	Upper
93	100		
63	98.5	78.5	118.5
95	29.8	9.8	49.8



#12
1,3-Dichlorobenzene
Concen: 39.91 ng
RT: 8.19 min Scan# 911
Delta R.T. 0.00 min
Lab File: BG024190.D
Acq: 6 Oct 2016 3:57

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.5	49.2	73.8
75	41.8	33.4	50.2

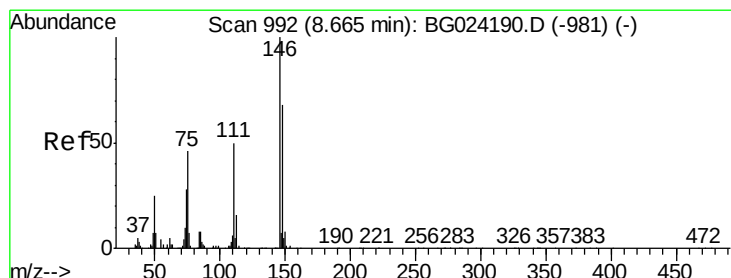
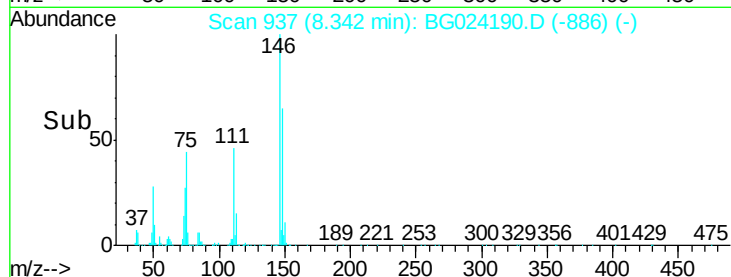
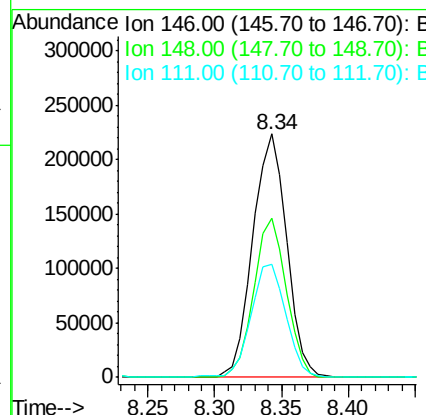
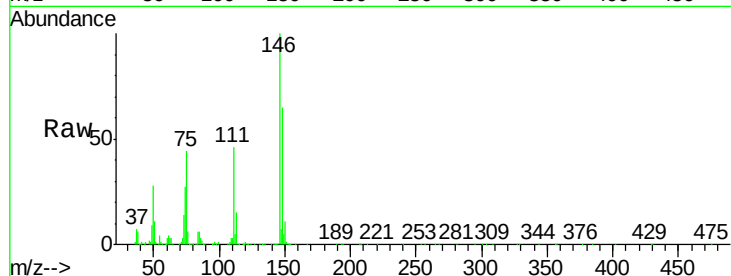




#13
 1,4-Dichlorobenzene
 Concen: 40.20 ng
 RT: 8.34 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: BG024190.D
 Acq: 6 Oct 2016 3:57

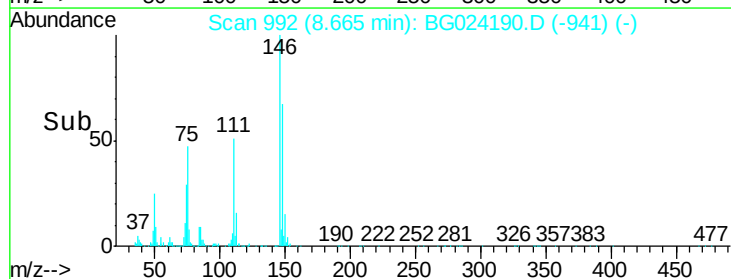
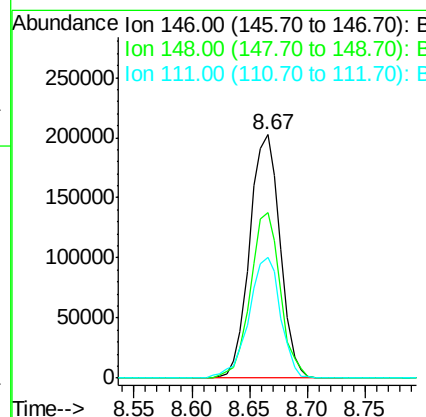
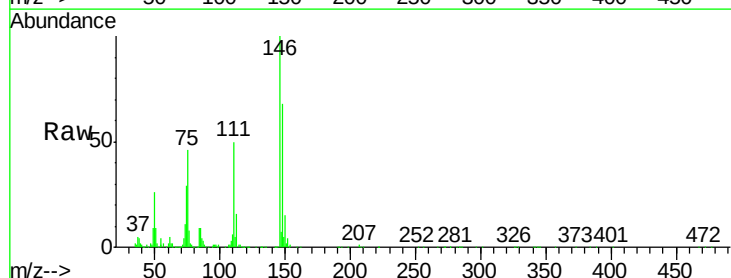
Instrument :
 BNA_G
 ClientSampleId :
 SSTDICC040

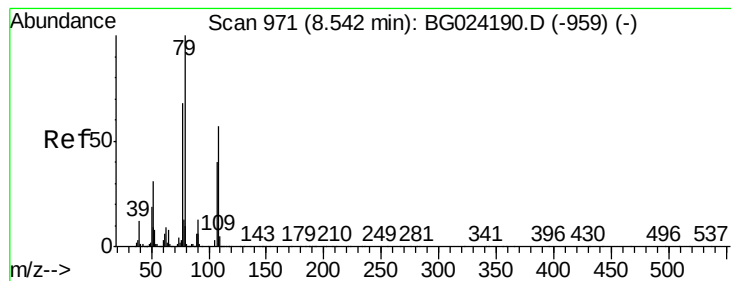
Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.2	78.2
111	46.3	37.0	55.6



#14
 1,2-Dichlorobenzene
 Concen: 39.76 ng
 RT: 8.67 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: BG024190.D
 Acq: 6 Oct 2016 3:57

Tgt Ion	Ratio	Lower	Upper
146	100		
148	68.2	54.6	81.8
111	49.6	39.7	59.5





#15

Benzyl Alcohol

Concen: 41.17 ng

RT: 8.54 min Scan# 971

Delta R.T. 0.00 min

Lab File: BG024190.D

Acq: 6 Oct 2016 3:57

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

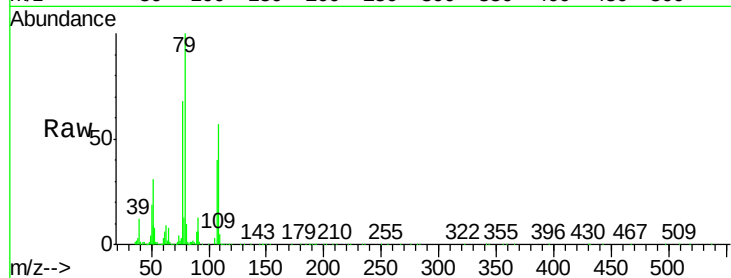
Tgt Ion: 79 Resp: 425996

Ion Ratio Lower Upper

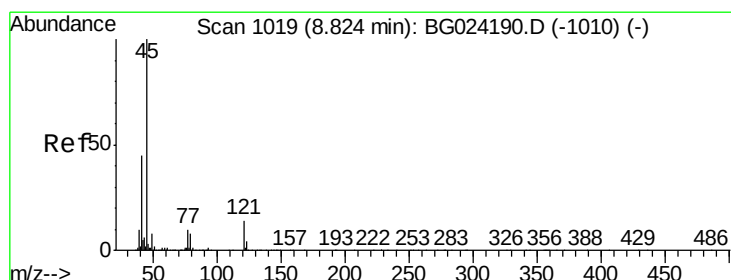
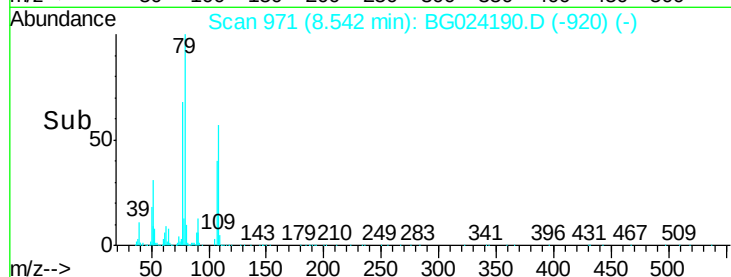
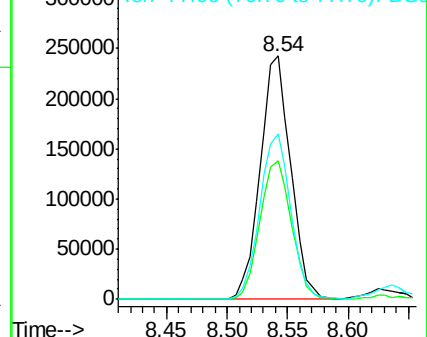
79 100

108 56.9 45.5 68.3

77 67.9 54.3 81.5



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.38 ng

RT: 8.82 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BG024190.D

Acq: 6 Oct 2016 3:57

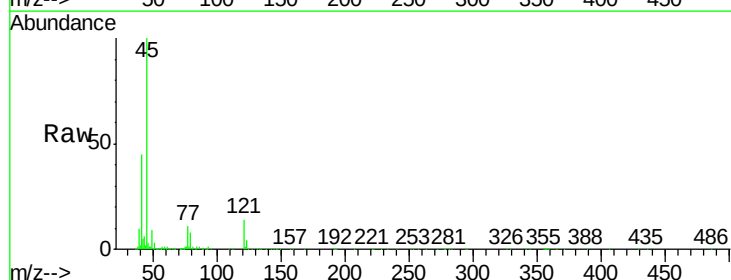
Tgt Ion: 45 Resp: 769578

Ion Ratio Lower Upper

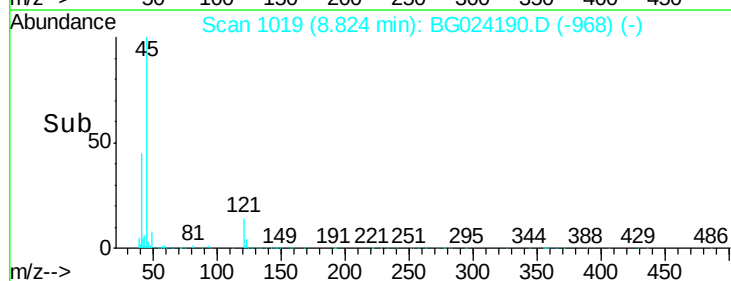
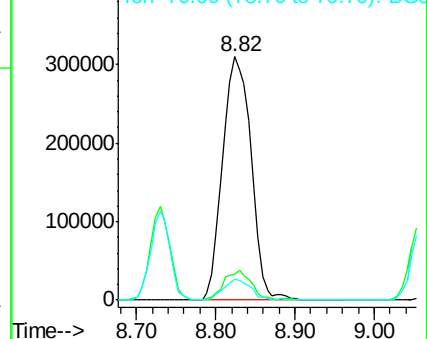
45 100

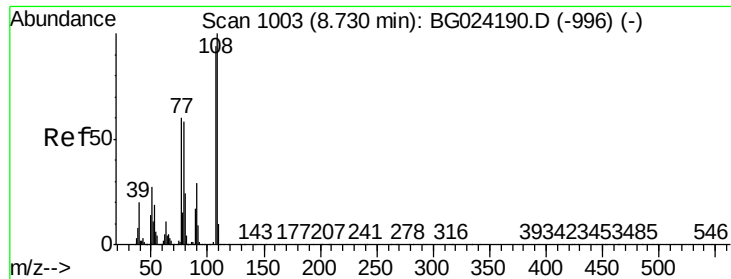
77 10.6 0.0 30.6

79 8.5 0.0 28.5



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

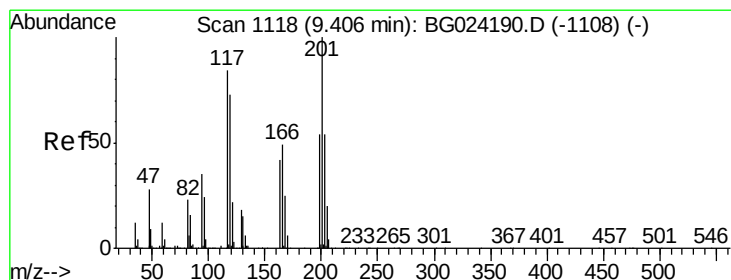
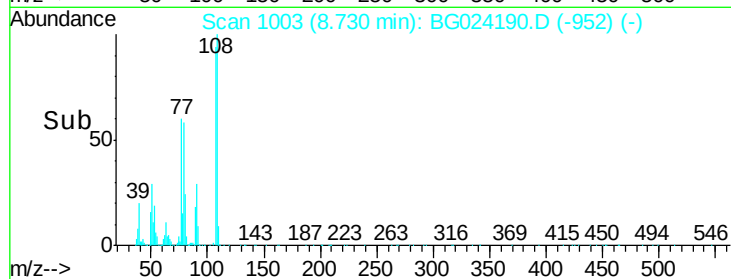
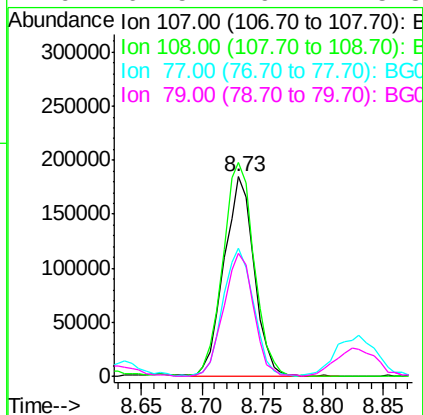
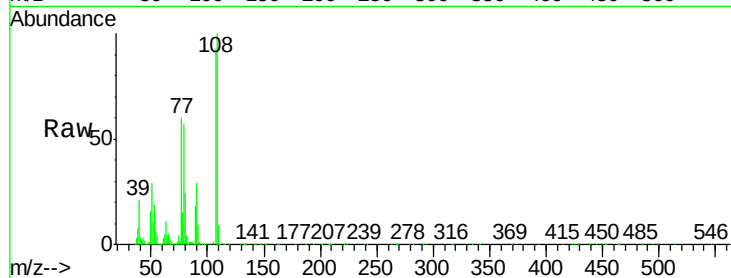




#17
2-Methylphenol
Concen: 40.37 ng
RT: 8.73 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BG024190.D
Acq: 6 Oct 2016 3:57

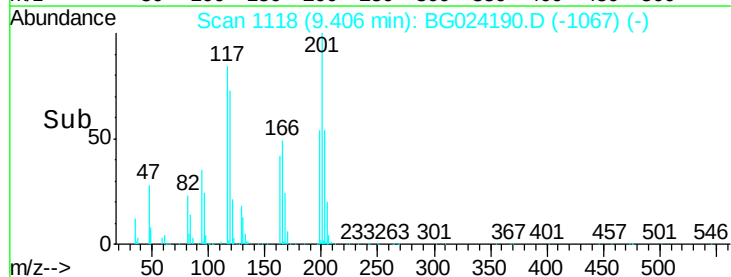
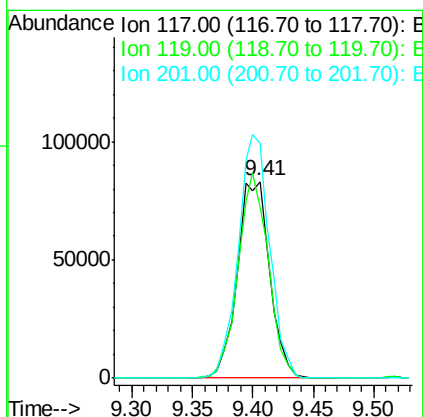
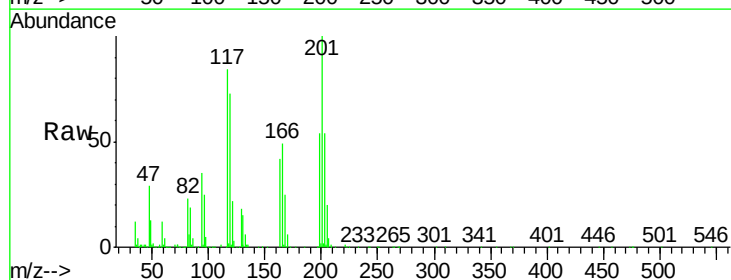
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

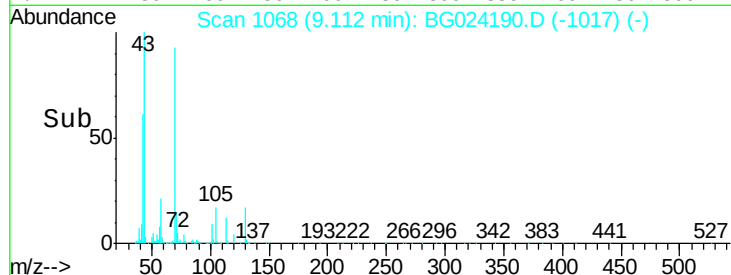
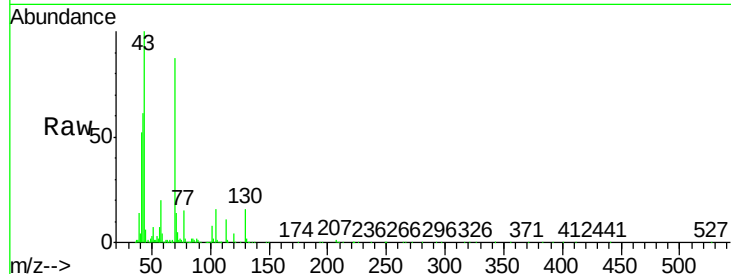
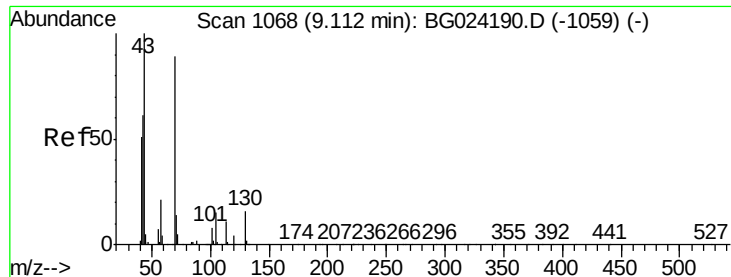
Tgt Ion:	107	Resp:	319263
Ion	Ratio	Lower	Upper
107	100		
108	107.0	85.6	128.4
77	64.3	51.4	77.2
79	61.5	49.2	73.8



#18
Hexachloroethane
Concen: 39.69 ng
RT: 9.41 min Scan# 1118
Delta R.T. 0.00 min
Lab File: BG024190.D
Acq: 6 Oct 2016 3:57

Tgt Ion:	117	Resp:	155425
Ion	Ratio	Lower	Upper
117	100		
119	87.2	69.8	104.6
201	119.2	95.4	143.0

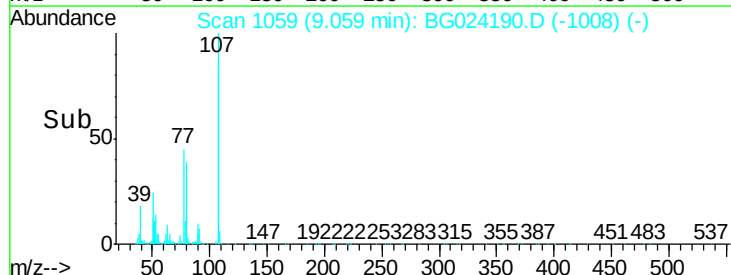
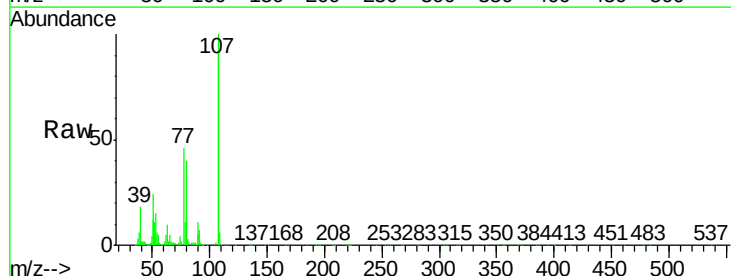
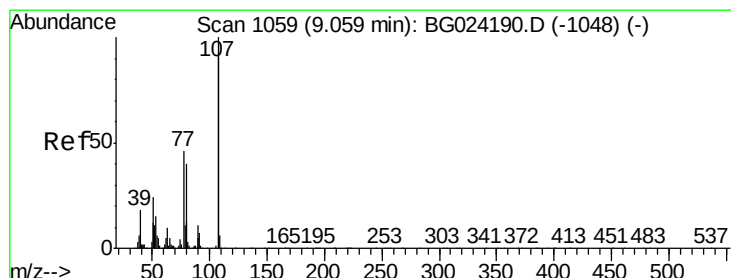
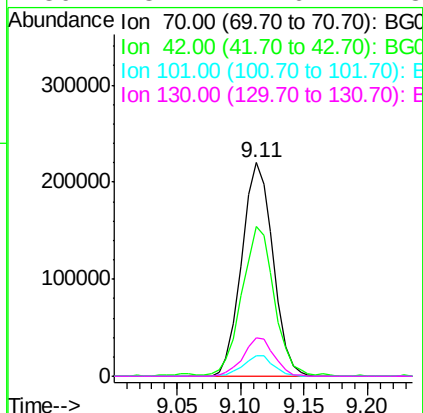




#19
n-Nitroso-di-n-propylamine
Concen: 40.06 ng
RT: 9.11 min Scan# 1068
Delta R.T. 0.00 min
Lab File: BG024190.D
Acq: 6 Oct 2016 3:57

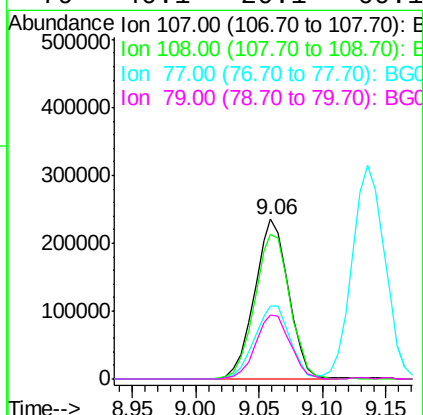
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

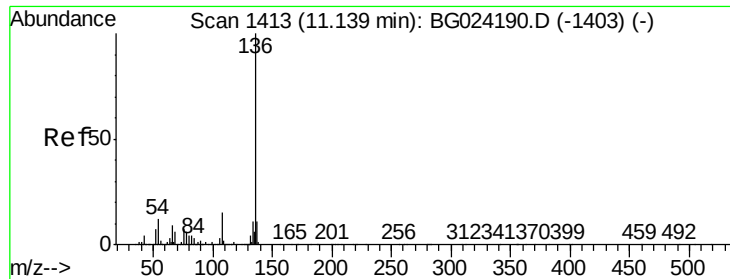
Tgt Ion:	70	Resp:	377658
Ion	Ratio	Lower	Upper
70	100		
42	70.1	56.1	84.1
101	9.4	7.5	11.3
130	18.2	14.6	21.8



#20
3+4-Methylphenols
Concen: 40.14 ng
RT: 9.06 min Scan# 1059
Delta R.T. 0.00 min
Lab File: BG024190.D
Acq: 6 Oct 2016 3:57

Tgt Ion:	107	Resp:	438513
Ion	Ratio	Lower	Upper
107	100		
108	90.8	70.8	110.8
77	45.8	25.8	65.8
79	40.1	20.1	60.1

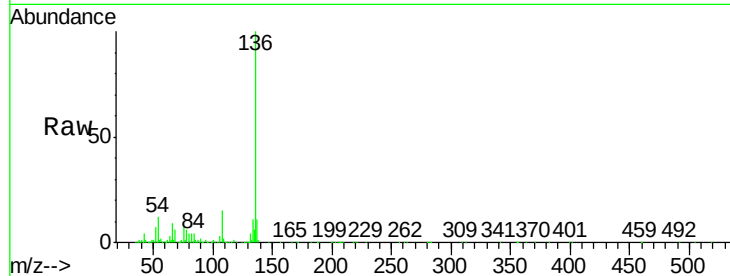




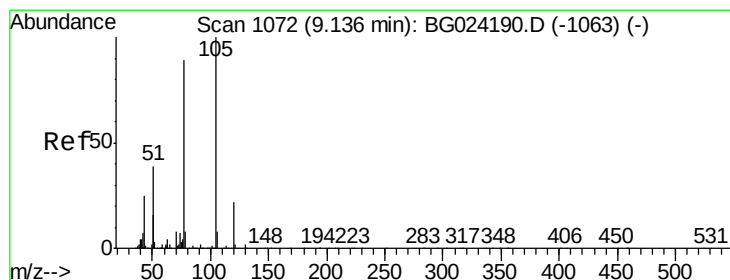
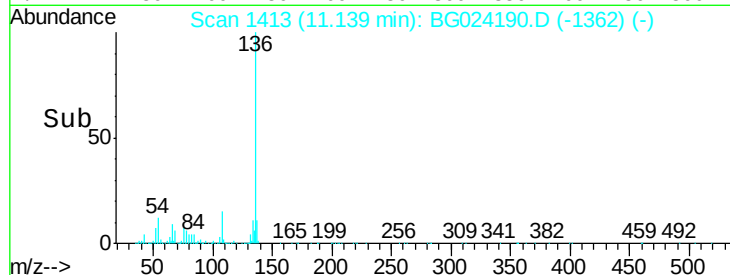
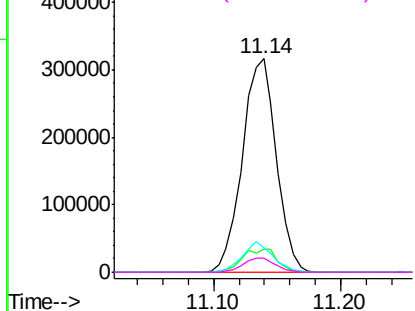
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.14 min Scan# 1413
Delta R.T. 0.00 min
Lab File: BG024190.D
Acq: 6 Oct 2016 3:57

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:	136	Resp:	587711
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	11.6	9.3	13.9
68	6.4	5.1	7.7

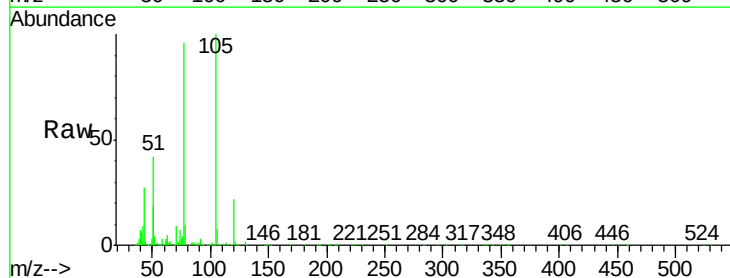


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC



#22
Acetophenone
Concen: 40.73 ng
RT: 9.14 min Scan# 1072
Delta R.T. 0.00 min
Lab File: BG024190.D
Acq: 6 Oct 2016 3:57

Tgt Ion:	105	Resp:	593947
Ion	Ratio	Lower	Upper
105	100		
71	1.1	0.9	1.3
51	42.5	34.0	51.0
120	21.6	17.3	25.9



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E

