

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072616\
 Data File : BG023274.D
 Acq On : 26 Jul 2016 19:26
 Operator : UM/SJ
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDICC060

Quant Time: Jul 27 00:57:48 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG072616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 26 19:09:30 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	239183	20.00	ng	0.02
21) Naphthalene-d8	10.99	136	1175831	20.00	ng	0.02
38) Acenaphthene-d10	14.82	164	783345	20.00	ng	0.01
63) Phenanthrene-d10	17.58	188	1713082	20.00	ng	0.00
75) Chrysene-d12	21.90	240	1269099	20.00	ng	0.01
86) Perylene-d12	25.31	264	1264198	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.68	112	1674334	59.53	ng	0.01
7) Phenol-d6	7.31	99	2490409	57.70	ng	0.02
23) Nitrobenzene-d5	9.34	82	2618425	54.25	ng	0.02
41) 2,4,6-Tribromophenol	16.32	330	857865	49.78	ng	0.02
44) 2-Fluorobiphenyl	13.44	172	3876163	45.84	ng	0.01
78) Terphenyl-d14	20.19	244	3711440	48.18	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.54	88	351623	60.07	ng	# 89
3) Pyridine	3.94	79	1216307	57.97	ng	88
4) n-Nitrosodimethylamine	3.86	42	524847	55.30	ng	# 77
6) Aniline	7.47	93	1703773	59.35	ng	97
8) 2-Chlorophenol	7.71	128	955052	61.01	ng	96
9) Benzaldehyde	7.28	77	876301	56.67	ng	95
10) Phenol	7.33	94	1380272	60.82	ng	84
11) bis(2-Chloroethyl)ether	7.57	93	1170795	60.51	ng	88
12) 1,3-Dichlorobenzene	8.04	146	1031059	58.45	ng	92
13) 1,4-Dichlorobenzene	8.19	146	1042380	57.91	ng	98
14) 1,2-Dichlorobenzene	8.51	146	1013428	58.57	ng	98
15) Benzyl Alcohol	8.40	79	955188	66.47	ng	94
16) 2,2'-oxybis(1-Chloropropan	8.69	45	1942863	63.58	ng	89
17) 2-Methylphenol	8.60	107	962753	62.33	ng	# 89
18) Hexachloroethane	9.25	117	438903	58.58	ng	91
19) n-Nitroso-di-n-propylamine	8.97	70	1159066	60.07	ng	96
20) 3+4-Methylphenols	8.94	107	1316928	62.62	ng	93
22) Acetophenone	8.99	105	1726658	56.09	ng	# 94
24) Nitrobenzene	9.38	77	1602190	57.38	ng	# 89
25) Isophorone	9.90	82	2793127	56.24	ng	# 92
26) 2-Nitrophenol	10.09	139	659394	62.88	ng	# 79
27) 2,4-Dimethylphenol	10.15	122	1070288	60.39	ng	83
28) bis(2-Chloroethoxy)methane	10.38	93	1612660	57.87	ng	96
29) 2,4-Dichlorophenol	10.63	162	1028412	59.85	ng	97
30) 1,2,4-Trichlorobenzene	10.85	180	1079690	56.75	ng	95
31) Naphthalene	11.05	128	2905343	53.07	ng	# 92
32) Benzoic acid	10.34	122	931109	75.23	ng	# 87
33) 4-Chloroaniline	11.15	127	1500601	59.54	ng	97
34) Hexachlorobutadiene	11.32	225	645013	50.46	ng	97
35) Caprolactam	11.95	113	463308	65.93	ng	# 90
36) 4-Chloro-3-methylphenol	12.27	107	1304852	58.07	ng	90
37) 2-Methylnaphthalene	12.64	142	2211245	54.68	ng	94
39) 1,2,4,5-Tetrachlorobenzene	13.01	216	1388867	54.35	ng	97
40) Hexachlorocyclopentadiene	12.99	237	717680	55.94	ng	99

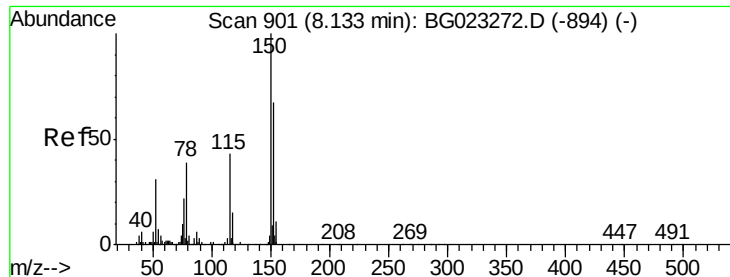
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072616\
 Data File : BG023274.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.26	196	904749	60.73	ng	98
43) 2,4,5-Trichlorophenol	13.33	196	935750	59.42	ng	# 92
45) 1,1'-Biphenyl	13.65	154	2876396	52.17	ng	81
46) 2-Chloronaphthalene	13.70	162	2420991	55.02	ng	# 91
47) 2-Nitroaniline	13.90	65	1142191	61.99	ng	93
48) Acenaphthylene	14.55	152	3419277	52.51	ng	# 82
49) Dimethylphthalate	14.27	163	2949353	49.01	ng	# 90
50) 2,6-Dinitrotoluene	14.40	165	817015	60.93	ng	89
51) Acenaphthene	14.89	154	2364581	54.35	ng	95
52) 3-Nitroaniline	14.74	138	857570	63.71	ng	# 79
53) 2,4-Dinitrophenol	14.94	184	516367	67.06	ng	# 85
54) Dibenzofuran	15.22	168	3102511	48.28	ng	# 92
55) 4-Nitrophenol	15.04	139	780996	70.71	ng	# 76
56) 2,4-Dinitrotoluene	15.19	165	1129735	60.05	ng	99
57) Fluorene	15.88	166	2747875	50.55	ng	# 99
58) 2,3,4,6-Tetrachlorophenol	15.36	232	795426	60.37	ng	95
59) Diethylphthalate	15.63	149	3009378	46.86	ng	# 86
60) 4-Chlorophenyl-phenylether	15.86	204	1569402	53.58	ng	98
61) 4-Nitroaniline	15.91	138	900515	64.24	ng	# 63
62) Azobenzene	16.15	77	3157522	51.33	ng	91
64) 4,6-Dinitro-2-methylphenol	15.95	198	717282	65.51	ng	81
65) n-Nitrosodiphenylamine	16.08	169	2564812	55.39	ng	# 84
66) 4-Bromophenyl-phenylether	16.76	248	987193	56.80	ng	97
67) Hexachlorobenzene	16.88	284	957631	54.94	ng	# 84
68) Atrazine	17.03	200	1053997	60.23	ng	95
69) Pentachlorophenol	17.23	266	677464	63.52	ng	99
70) Phenanthrene	17.63	178	3830289	48.03	ng	# 74
71) Anthracene	17.71	178	3871961	50.22	ng	# 74
72) Carbazole	17.99	167	3557146	50.40	ng	# 80
73) Di-n-butylphthalate	18.53	149	3821497	48.28	ng	# 81
74) Fluoranthene	19.64	202	3778672	45.45	ng	70
76) Benzidine	19.81	184	2319591	64.87	ng	# 90
77) Pyrene	20.00	202	3755724	52.76	ng	# 76
79) Butylbenzylphthalate	20.87	149	1920263	60.52	ng	97
80) Benzo(a)anthracene	21.89	228	3507898	52.82	ng	# 89
81) 3,3'-Dichlorobenzidine	21.79	252	1549467	57.34	ng	# 93
82) Chrysene	21.95	228	3404426	53.00	ng	# 85
83) Bis(2-ethylhexyl)phthalate	21.76	149	2604985	58.67	ng	# 88
84) Di-n-octyl phthalate	23.04	149	4173257	57.61	ng	# 90
85) Indeno(1,2,3-cd)pyrene	29.23	276	4551089	60.76	ng	# 100
87) Benzo(b)fluoranthene	24.23	252	3904935	58.40	ng	# 88
88) Benzo(k)fluoranthene	24.30	252	3652072	54.42	ng	# 87
89) Benzo(a)pyrene	25.15	252	3774386	57.44	ng	# 88
90) Dibenzo(a,h)anthracene	29.30	278	3675046	59.28	ng	# 85
91) Benzo(g,h,i)perylene	30.46	276	3750354	57.44	ng	# 82

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 905

Delta R.T. 0.02 min

Lab File: BG023274.D

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BNA_G

ClientSampleId :

SSTDICC060

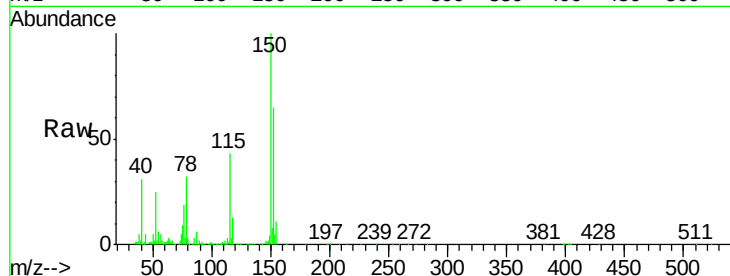
Tgt Ion:152 Resp: 239183

Ion Ratio Lower Upper

152 100

150 154.3 144.7 217.1

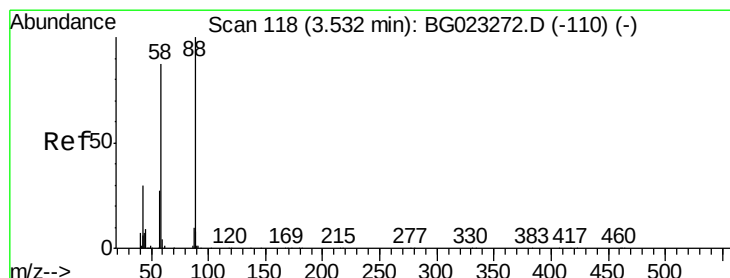
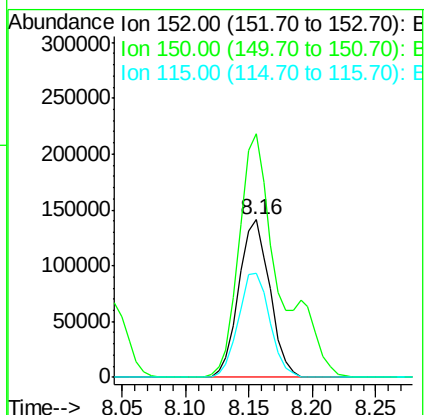
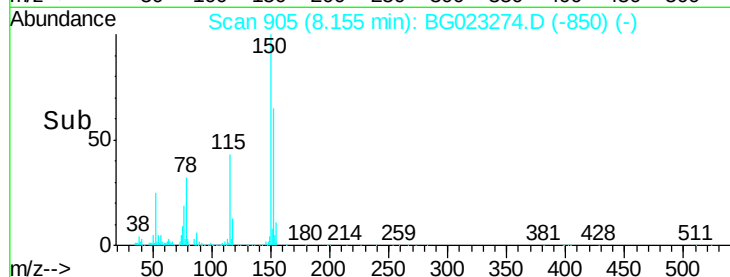
115 66.3 64.0 96.0



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: 60.07 ng

RT: 3.54 min Scan# 119

Delta R.T. 0.01 min

Lab File: BG023274.D

Acq: 26 Jul 2016 19:26

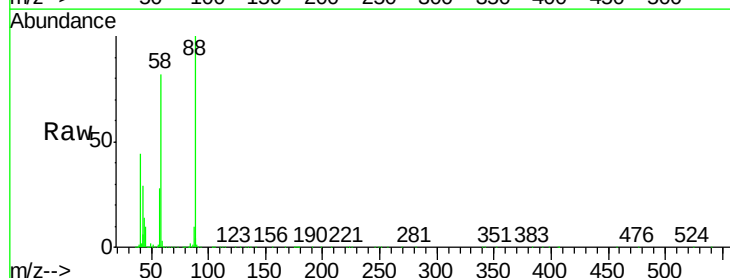
Tgt Ion: 88 Resp: 351623

Ion Ratio Lower Upper

88 100

58 83.9 60.4 90.6

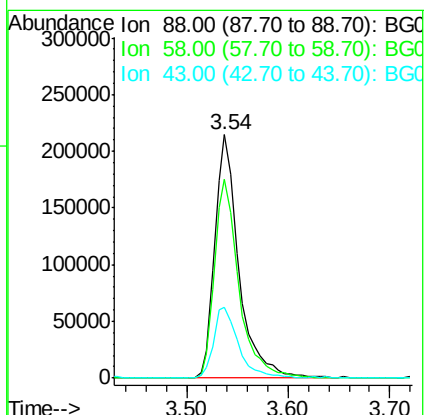
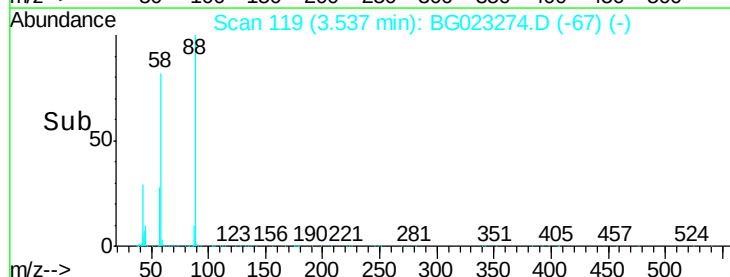
43 30.6 31.1 46.7#

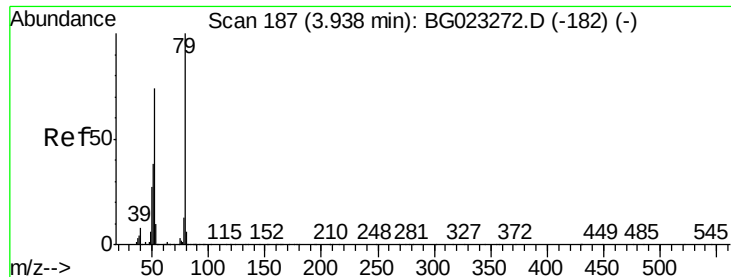


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 57.97 ng

RT: 3.94 min Scan# 188

Delta R.T. 0.01 min

Lab File: BG023274.D

Acq: 26 Jul 2016 19:26

Instrument :

BNA_G

ClientSampleId :

SSTDIC060

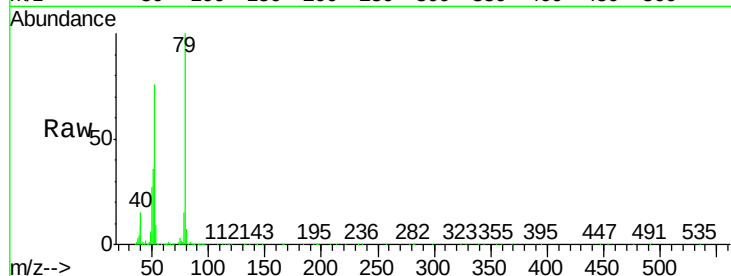
Tgt Ion: 79 Resp: 1216307

Ion Ratio Lower Upper

79 100

52 75.8 51.8 77.8

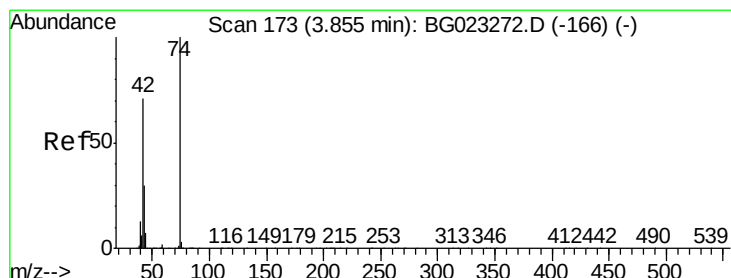
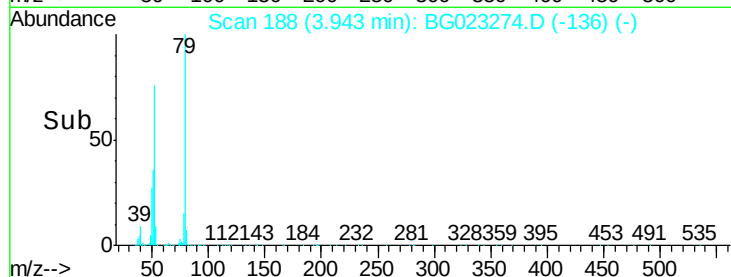
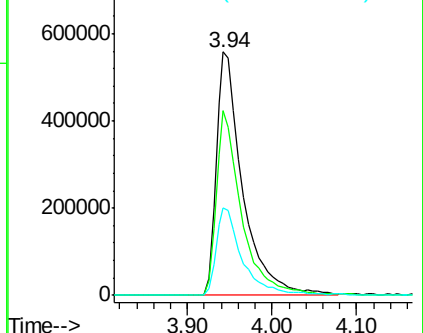
51 36.0 32.7 49.1



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: 55.30 ng

RT: 3.86 min Scan# 174

Delta R.T. 0.01 min

Lab File: BG023274.D

Acq: 26 Jul 2016 19:26

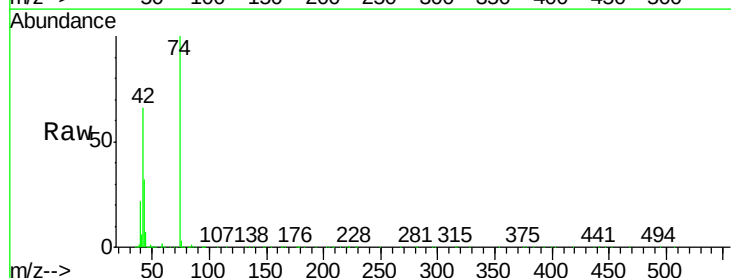
Tgt Ion: 42 Resp: 524847

Ion Ratio Lower Upper

42 100

74 152.5 100.6 150.8#

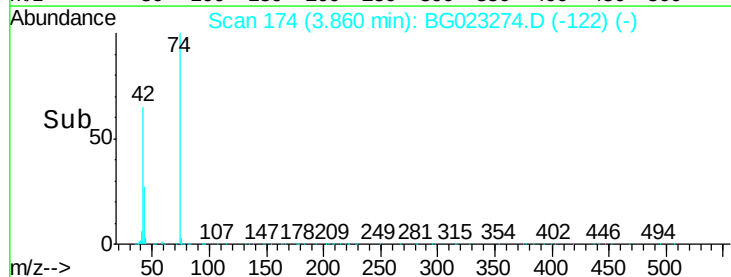
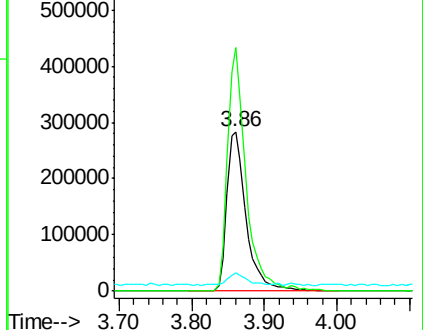
44 11.2 4.5 6.7#

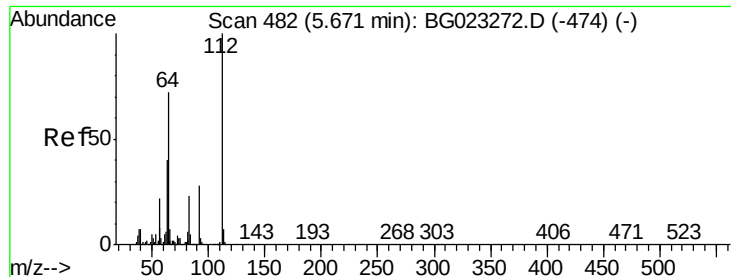


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 59.53 ng

RT: 5.68 min Scan# 484

Delta R.T. 0.01 min

Lab File: BG023274.D

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SSTDICC060

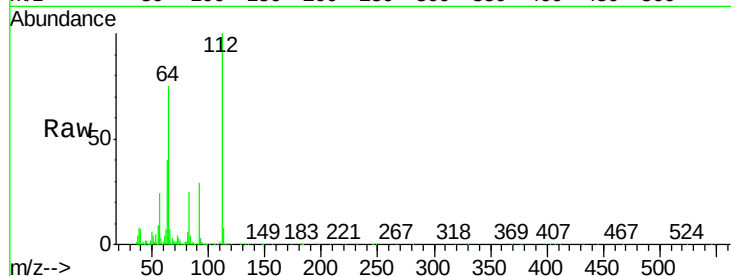
Tgt Ion: 112 Resp: 1674334

Ion Ratio Lower Upper

112 100

64 75.1 59.0 88.4

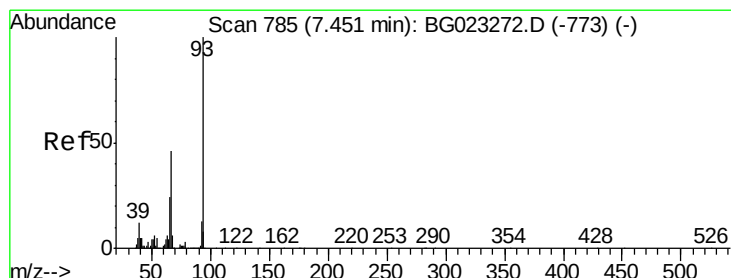
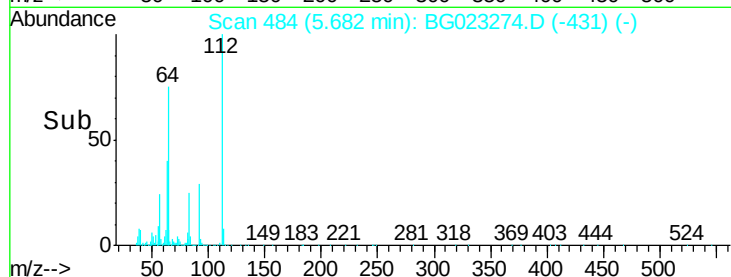
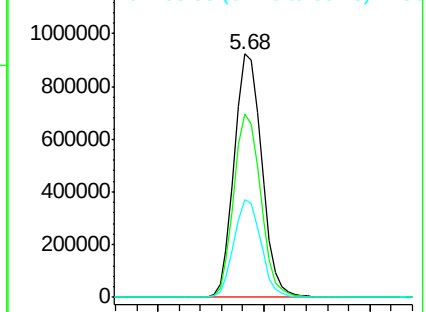
63 40.3 37.8 56.8



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 59.35 ng

RT: 7.47 min Scan# 789

Delta R.T. 0.02 min

Lab File: BG023274.D

Acq: 26 Jul 2016 19:26

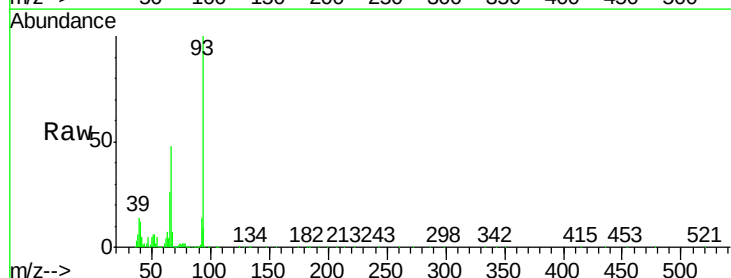
Tgt Ion: 93 Resp: 1703773

Ion Ratio Lower Upper

93 100

66 47.5 37.5 56.3

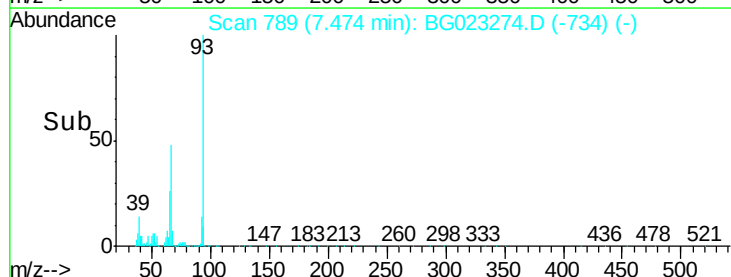
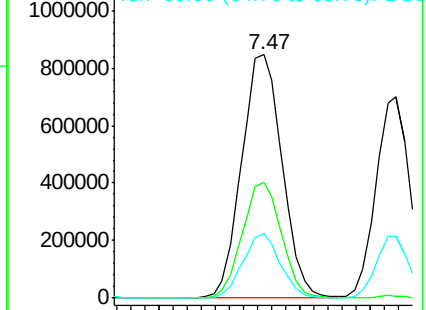
65 26.3 17.9 26.9

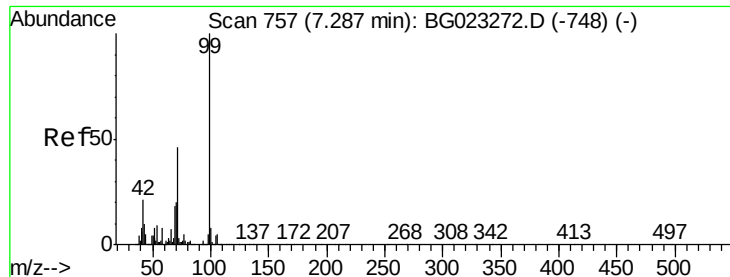


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 57.70 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.02 min

Lab File: BG023274.D

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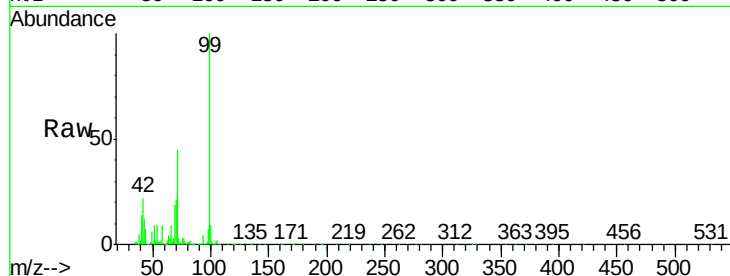
Tgt Ion: 99 Resp: 2490409

Ion Ratio Lower Upper

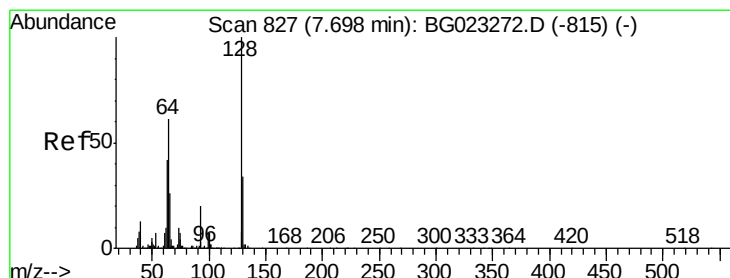
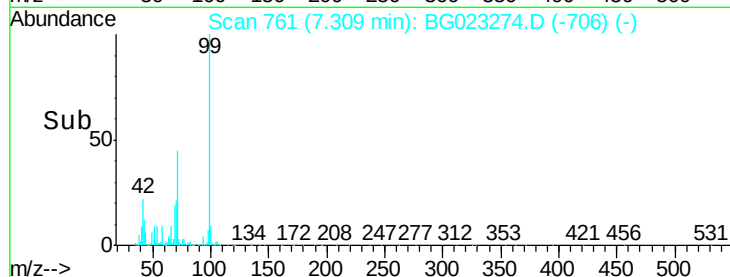
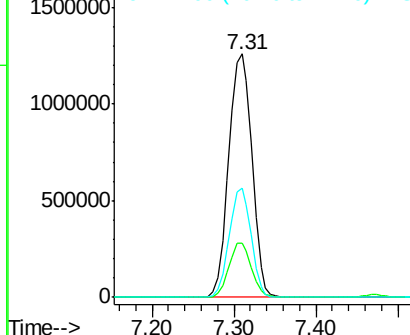
99 100

42 22.1 17.8 26.6

71 44.8 41.5 62.3



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: 61.01 ng

RT: 7.71 min Scan# 830

Delta R.T. 0.02 min

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Acq: 26 Jul 2016 19:26

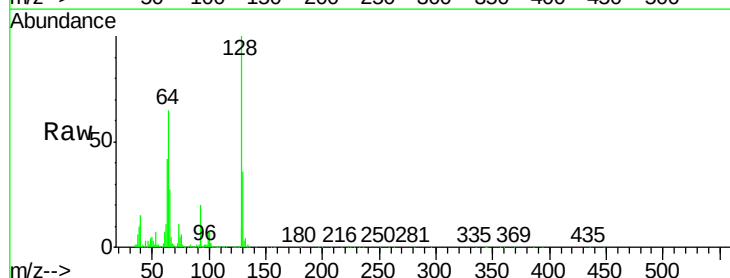
Tgt Ion: 128 Resp: 955052

Ion Ratio Lower Upper

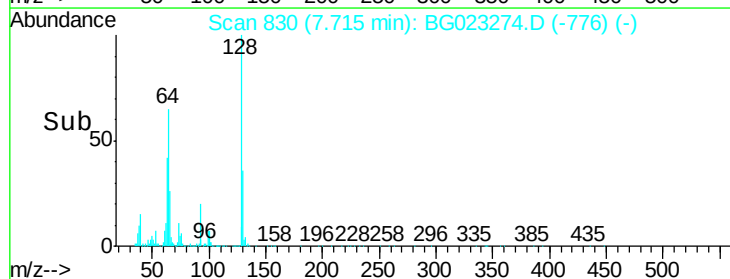
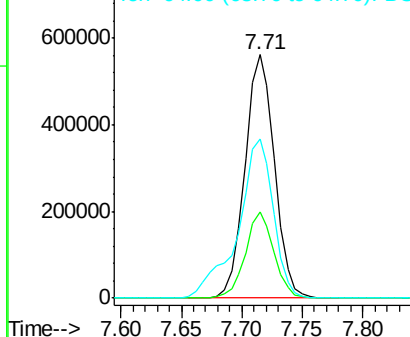
128 100

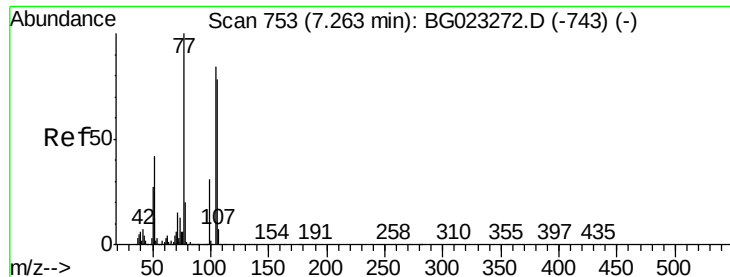
130 35.6 12.9 52.9

64 65.2 42.0 82.0



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: 56.67 ng

RT: 7.28 min Scan# 756

Delta R.T. 0.02 min

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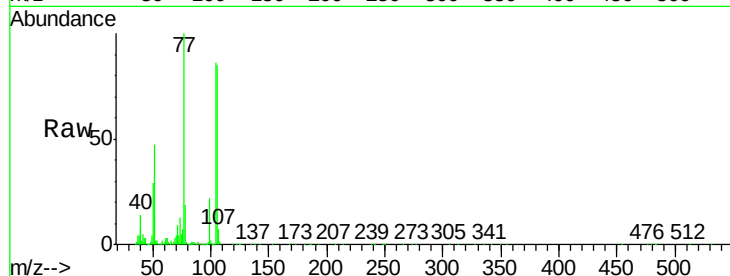
Tgt Ion: 77 Resp: 876301

Ion Ratio Lower Upper

77 100

105 85.5 58.7 98.7

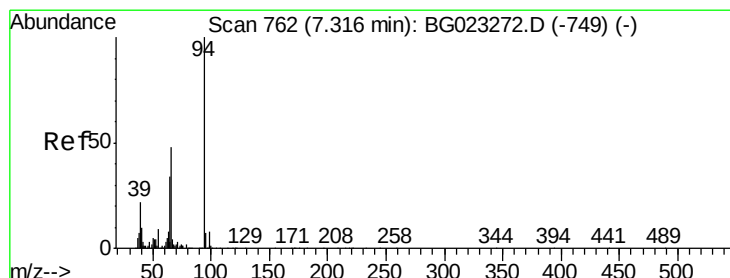
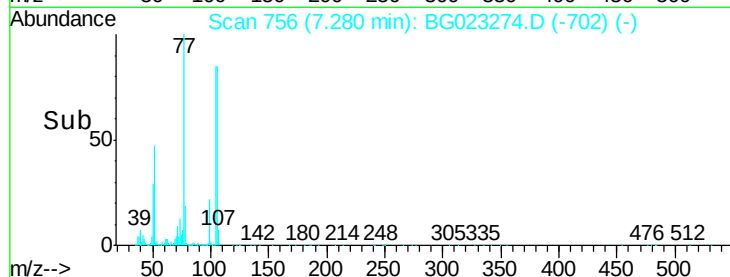
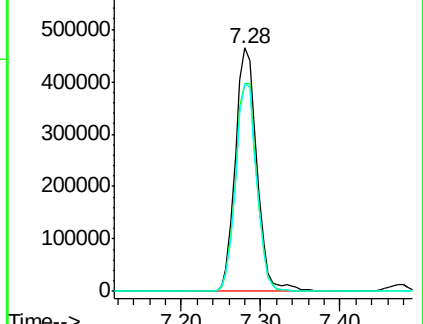
106 85.2 67.5 107.5



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: 60.82 ng

RT: 7.33 min Scan# 765

Delta R.T. 0.02 min

Lab File: BG023274.D

Acq: 26 Jul 2016 19:26

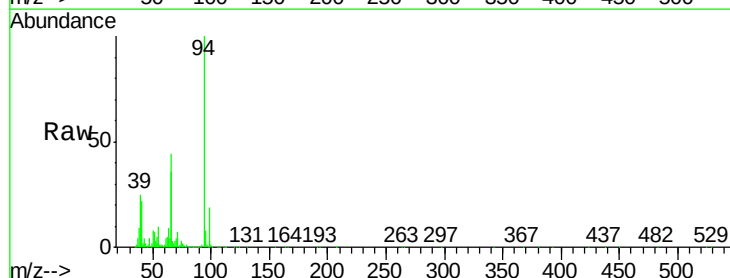
Tgt Ion: 94 Resp: 1380272

Ion Ratio Lower Upper

94 100

65 36.0 18.1 58.1

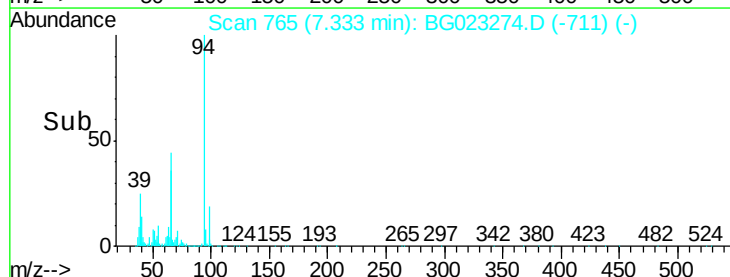
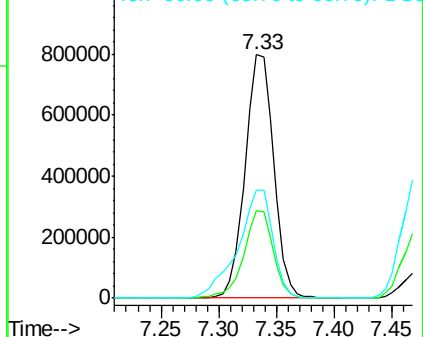
66 44.3 42.1 82.1

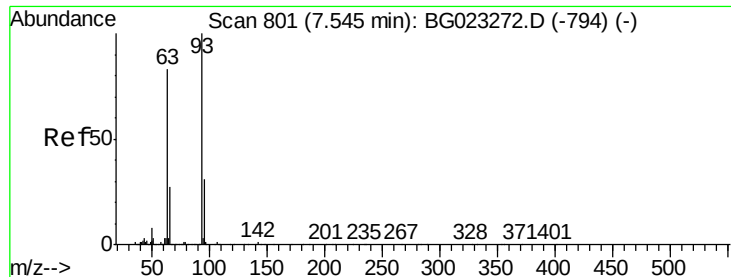


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

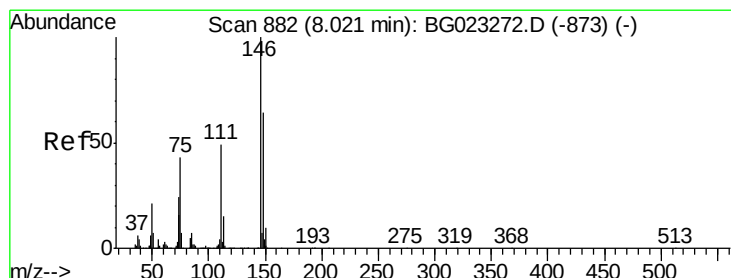
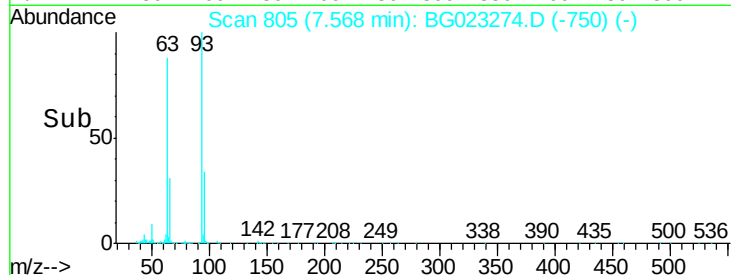
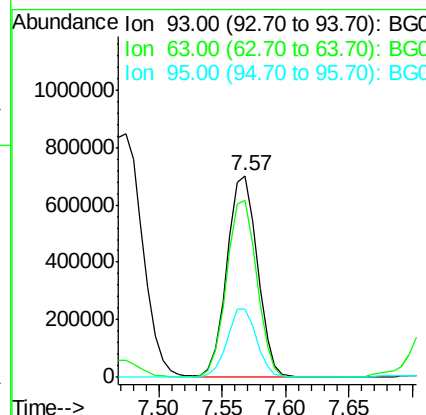
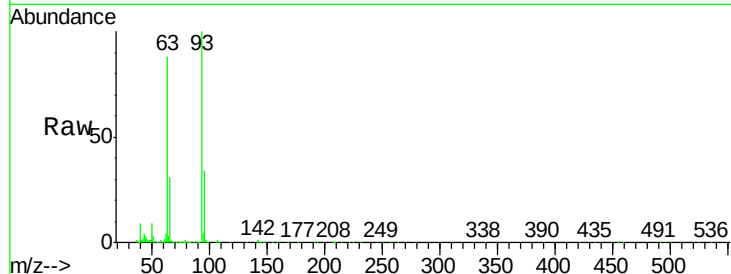




#11
 bis(2-Chloroethyl)ether
 Concen: 60.51 ng
 RT: 7.57 min Scan# 805
 Delta R.T. 0.02 min
 Lab File: BG023274.D
 Acq: 26 Jul 2016 19:26

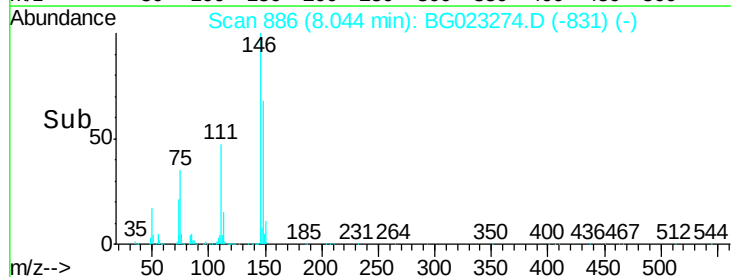
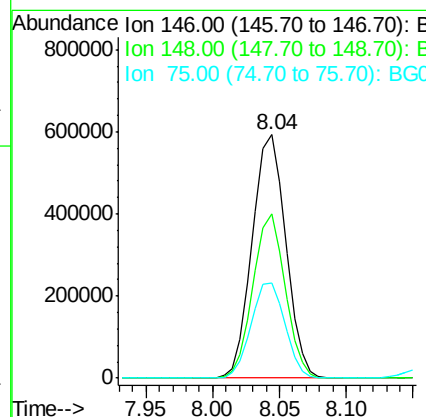
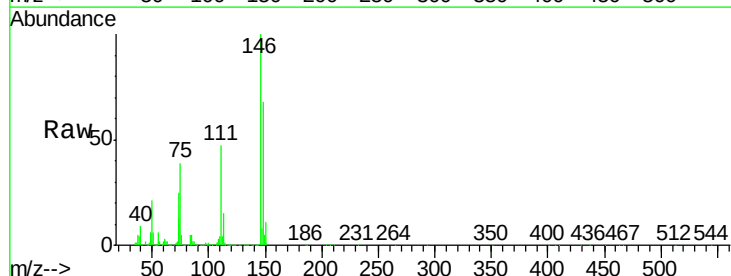
Instrument :
 BNA_G
 ClientSampleId :
 SSTDICC060

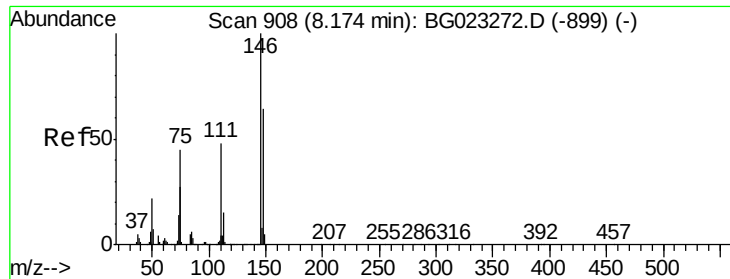
Tgt Ion: 93 Resp: 1170795
 Ion Ratio Lower Upper
 93 100
 63 88.1 55.0 95.0
 95 34.0 11.0 51.0



#12
 1,3-Dichlorobenzene
 Concen: 58.45 ng
 RT: 8.04 min Scan# 886
 Delta R.T. 0.02 min
 Lab File: BG023274.D
 Acq: 26 Jul 2016 19:26

Tgt Ion: 146 Resp: 1031059
 Ion Ratio Lower Upper
 146 100
 148 67.5 50.3 75.5
 75 39.3 37.0 55.6

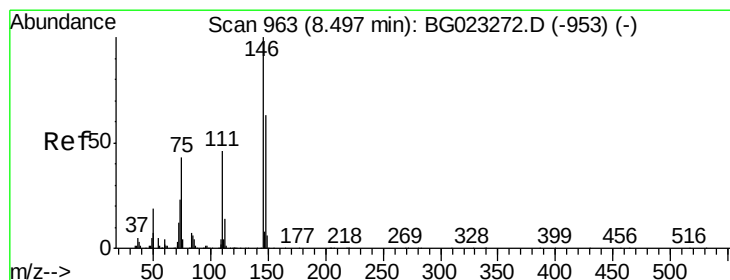
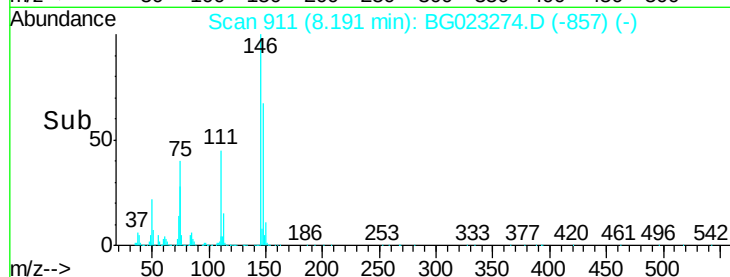
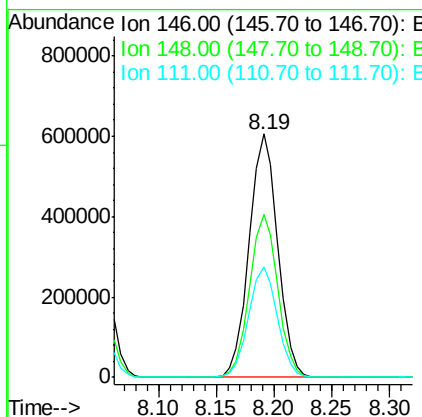
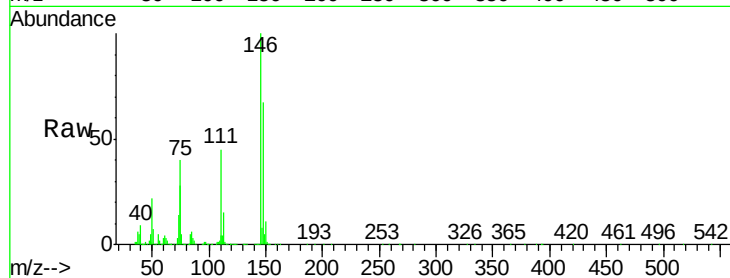




#13
 1,4-Dichlorobenzene
 Concen: 57.91 ng
 RT: 8.19 min Scan# 911
 Delta R.T. 0.02 min
 Lab File: BG023274.D
 Acq: 26 Jul 2016 19:26

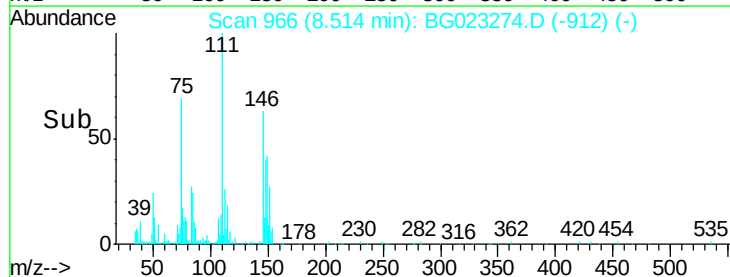
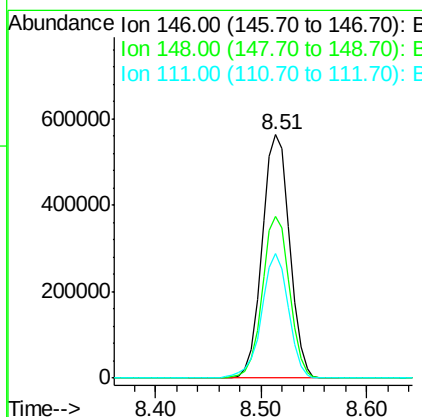
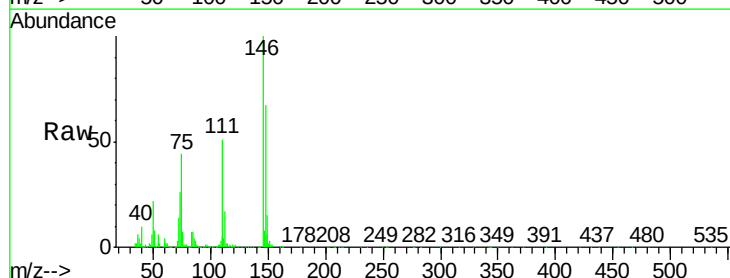
Instrument :
 BNA_G
 ClientSampleId :
 SSTDICC060

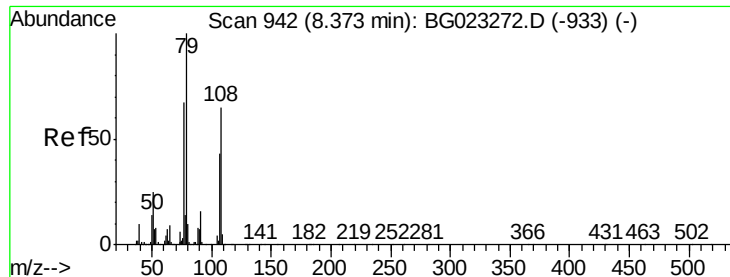
Tgt Ion:146 Resp: 1042380
 Ion Ratio Lower Upper
 146 100
 148 66.8 54.5 81.7
 111 45.4 37.8 56.8



#14
 1,2-Dichlorobenzene
 Concen: 58.57 ng
 RT: 8.51 min Scan# 966
 Delta R.T. 0.02 min
 Lab File: BG023274.D
 Acq: 26 Jul 2016 19:26

Tgt Ion:146 Resp: 1013428
 Ion Ratio Lower Upper
 146 100
 148 66.6 52.9 79.3
 111 51.1 43.5 65.3





#15

Benzyl Alcohol

Concen: 66.47 ng

RT: 8.40 min Scan# 946

Delta R.T. 0.02 min

Lab File: BG023274.D

Acq: 26 Jul 2016 19:26

Instrument :

BNA_G

ClientSampleId :

SSTDIC060

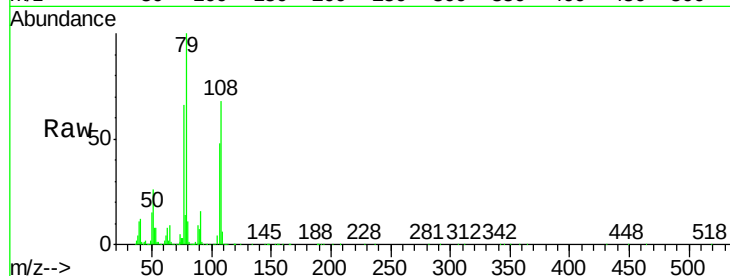
Tgt Ion: 79 Resp: 955188

Ion Ratio Lower Upper

79 100

108 67.5 46.5 69.7

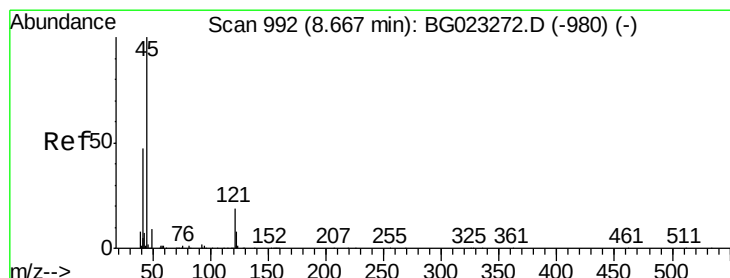
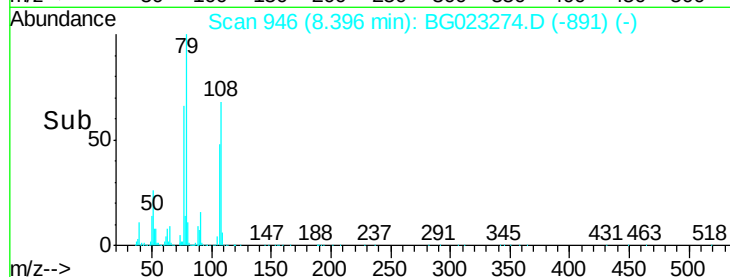
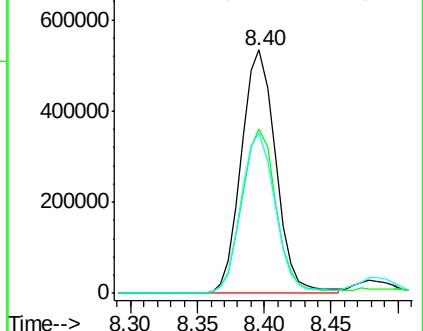
77 66.0 52.3 78.5



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: 63.58 ng

RT: 8.69 min Scan# 996

Delta R.T. 0.02 min

Lab File: BG023274.D

Acq: 26 Jul 2016 19:26

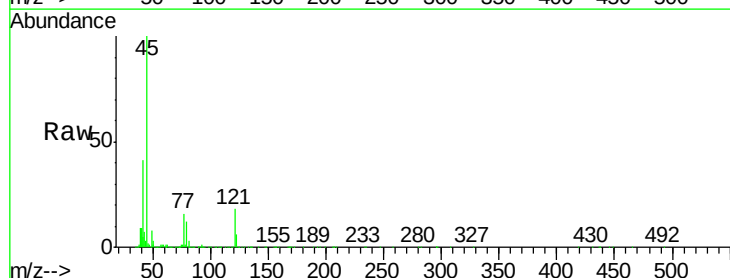
Tgt Ion: 45 Resp: 1942863

Ion Ratio Lower Upper

45 100

77 15.6 0.6 40.6

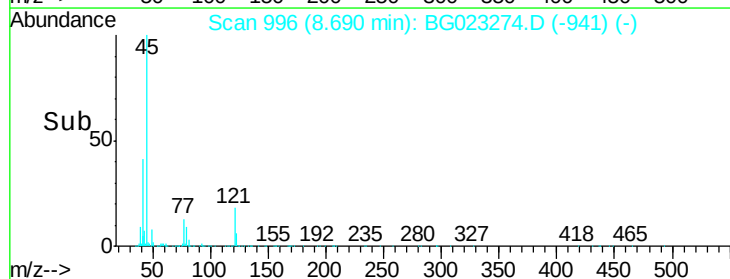
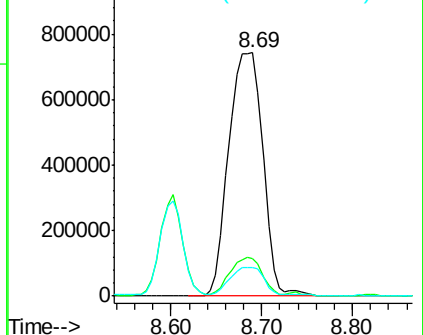
79 11.8 0.0 36.2

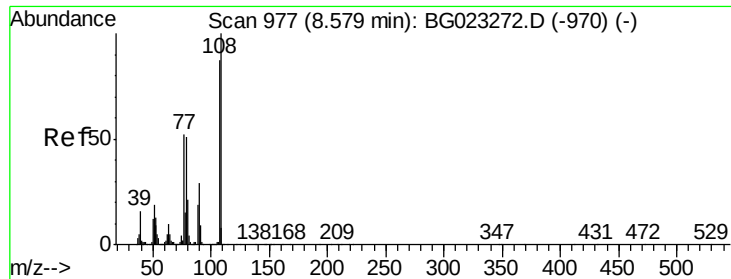


Abundance Ion 45.00 (44.70 to 45.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC





#17

2-Methylphenol

Concen: 62.33 ng

RT: 8.60 min Scan# 981

Delta R.T. 0.02 min

Lab File: BG023274.D

Acq: 26 Jul 2016 19:26

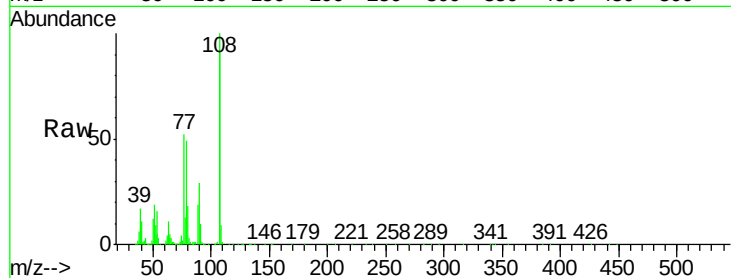
Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion:	107	Resp:	962753
Ion	Ratio	Lower	Upper
107	100		
108	110.3	92.0	138.0
77	57.3	55.8	83.6
79	53.9	55.0	82.6#

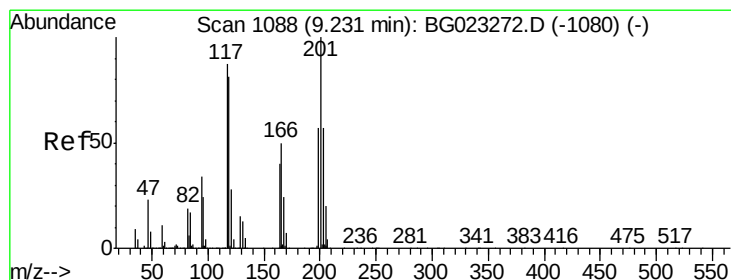
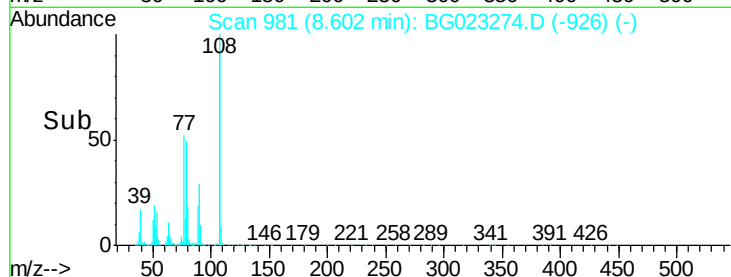
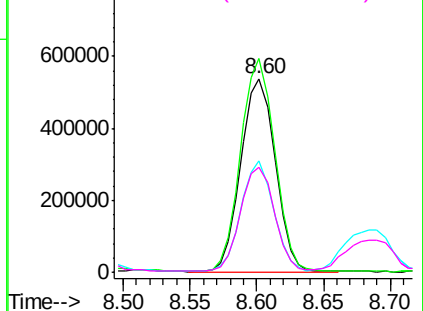


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#18

Hexachloroethane

Concen: 58.58 ng

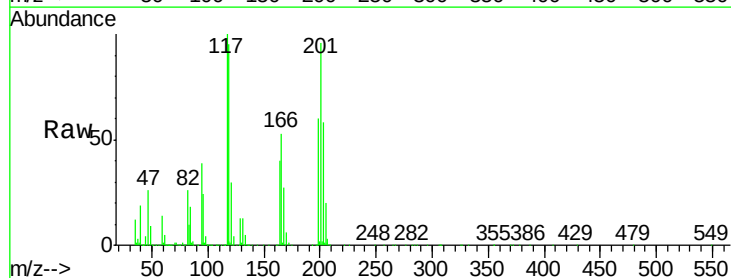
RT: 9.25 min Scan# 1091

Delta R.T. 0.02 min

Lab File: BG023274.D

Acq: 26 Jul 2016 19:26

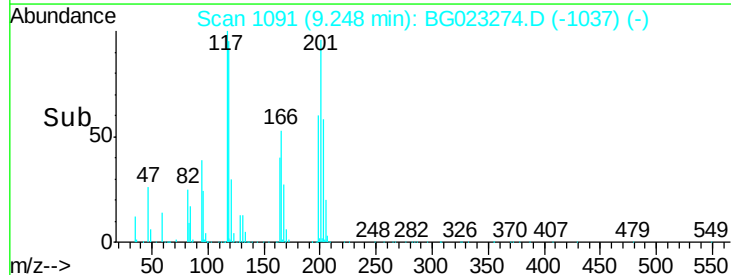
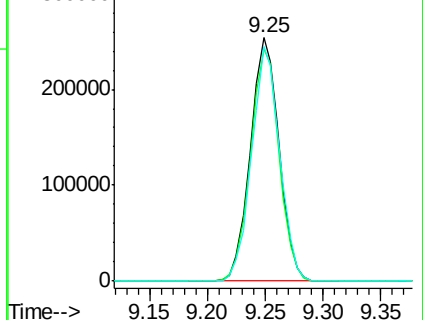
Tgt Ion:	117	Resp:	438903
Ion	Ratio	Lower	Upper
117	100		
119	95.4	73.7	110.5
201	96.2	88.7	133.1

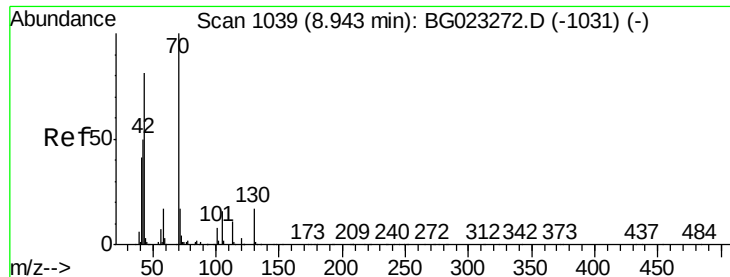


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

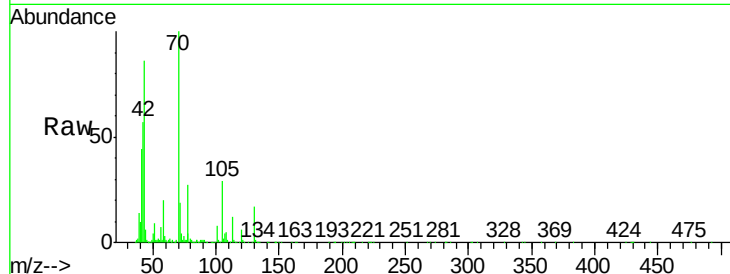




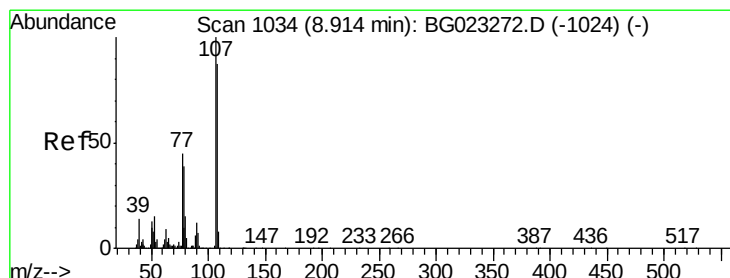
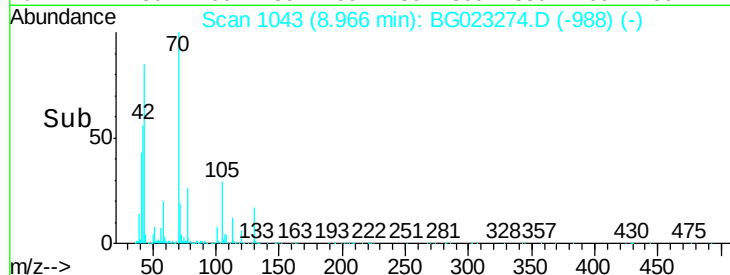
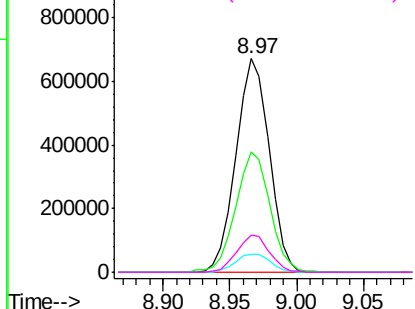
#19
n-Nitroso-di-n-propylamine
Concen: 60.07 ng
RT: 8.97 min Scan# 1043
Delta R.T. 0.02 min
Lab File: BG023274.D
Acq: 26 Jul 2016 19:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 1159066
Ion Ratio Lower Upper
70 100
42 56.5 42.1 63.1
101 8.2 7.2 10.8
130 17.3 14.2 21.2

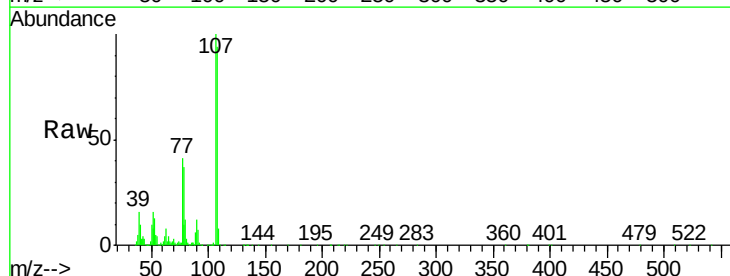


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

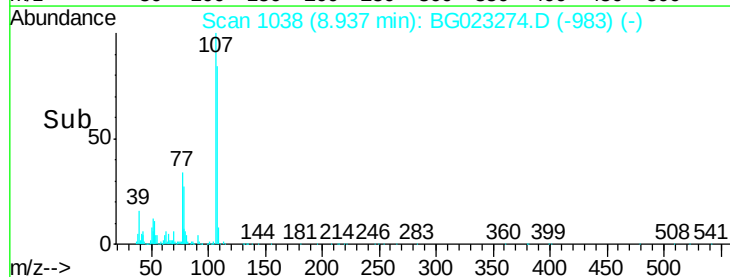
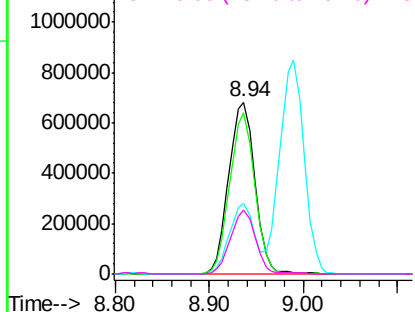


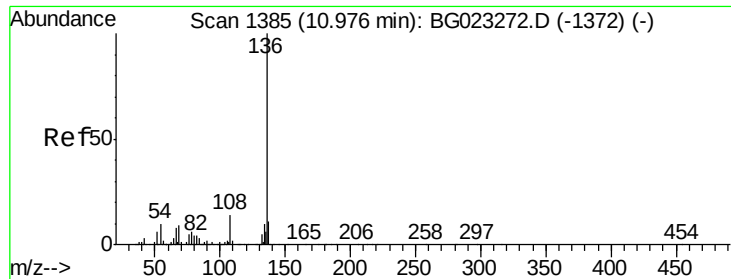
#20
3+4-Methylphenols
Concen: 62.62 ng
RT: 8.94 min Scan# 1038
Delta R.T. 0.02 min
Lab File: BG023274.D
Acq: 26 Jul 2016 19:26

Tgt Ion: 107 Resp: 1316928
Ion Ratio Lower Upper
107 100
108 93.6 72.5 112.5
77 41.3 30.1 70.1
79 37.1 24.2 64.2



Abundance Ion 107.00 (106.70 to 107.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

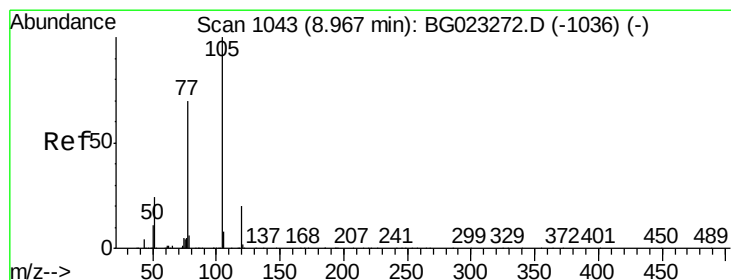
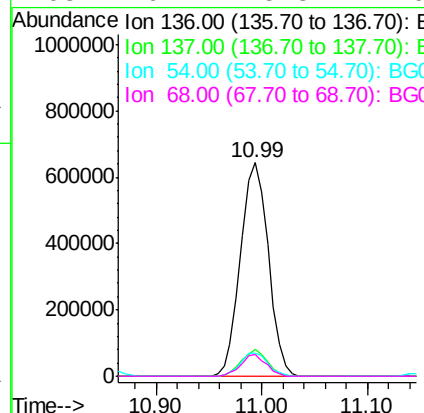
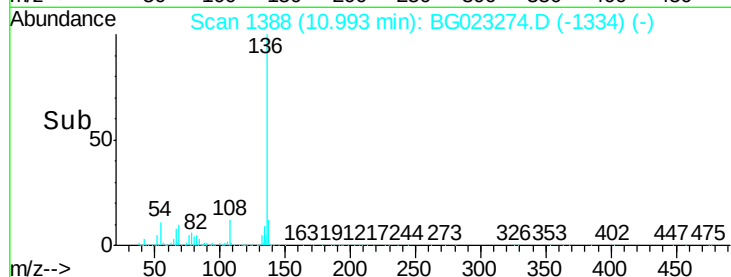
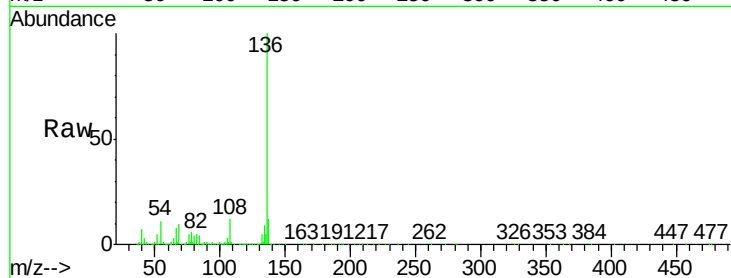




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.99 min Scan# 1388
Delta R.T. 0.02 min
Lab File: BG023274.D
Acq: 26 Jul 2016 19:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:	136	Resp:	1175831
Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.6	14.4
54	11.0	7.3	10.9#
68	10.1	5.3	7.9#



#22
Acetophenone
Concen: 56.09 ng
RT: 8.99 min Scan# 1047
Delta R.T. 0.02 min
Lab File: BG023274.D
Acq: 26 Jul 2016 19:26

Tgt Ion:	105	Resp:	1726658
Ion	Ratio	Lower	Upper
105	100		
71	1.3	2.6	3.8#
51	32.1	27.1	40.7
120	23.8	15.1	22.7#

