

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080216\
 Data File : BG023414.D
 Acq On : 3 Aug 2016 3:02
 Operator : UM/SJ
 Sample : H4288-10MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-65-14.0-15.0MSD

Quant Time: Aug 03 03:45:58 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 01 19:22:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	113510	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	568608	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	457460	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	1143343	20.00	ng	0.00
75) Chrysene-d12	21.86	240	949321	20.00	ng	0.00
86) Perylene-d12	25.24	264	966925	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.66	112	1140718	169.16	ng	0.00
7) Phenol-d6	7.28	99	1808302	172.17	ng	0.00
23) Nitrobenzene-d5	9.30	82	1197222	104.68	ng	0.00
41) 2,4,6-Tribromophenol	16.28	330	1079584	161.34	ng	0.00
44) 2-Fluorobiphenyl	13.40	172	2324856	85.72	ng	0.00
78) Terphenyl-d14	20.16	244	3038014	104.55	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	96799	33.69	ng	# 89
3) Pyridine	3.93	79	333228	35.29	ng	94
4) n-Nitrosodimethylamine	3.84	42	168577	48.16	ng	# 75
6) Aniline	7.44	93	764217	50.36	ng	95
8) 2-Chlorophenol	7.68	128	446968	57.70	ng	99
9) Benzaldehyde	7.25	77	258135	44.47	ng	92
10) Phenol	7.31	94	708479	63.05	ng	83
11) bis(2-Chloroethyl)ether	7.53	93	441710	49.28	ng	90
12) 1,3-Dichlorobenzene	8.15	146	409872	46.21	ng	95
13) 1,4-Dichlorobenzene	8.15	146	409872	45.14	ng	94
14) 1,2-Dichlorobenzene	8.48	146	405137	45.49	ng	95
15) Benzyl Alcohol	8.36	79	561367	70.54	ng	93
16) 2,2'-oxybis(1-Chloropropan	8.65	45	620728	47.09	ng	90
17) 2-Methylphenol	8.57	107	469698	62.35	ng	# 89
18) Hexachloroethane	9.21	117	149685	43.80	ng	92
19) n-Nitroso-di-n-propylamine	8.93	70	488429	54.06	ng	94
20) 3+4-Methylphenols	8.90	107	673619	63.43	ng	93
22) Acetophenone	8.95	105	709104	45.55	ng	# 89
24) Nitrobenzene	9.34	77	684657	54.06	ng	93
25) Isophorone	9.86	82	1319443	55.38	ng	# 94
26) 2-Nitrophenol	10.06	139	292022	54.63	ng	# 78
27) 2,4-Dimethylphenol	10.12	122	536813	58.98	ng	86
28) bis(2-Chloroethoxy)methane	10.35	93	742527	51.85	ng	97
29) 2,4-Dichlorophenol	10.60	162	560061	61.20	ng	98
30) 1,2,4-Trichlorobenzene	10.81	180	479705	48.60	ng	98
31) Naphthalene	11.00	128	1414885	48.87	ng	98
32) Benzoic acid	10.22	122	105453	17.34	ng	94
33) 4-Chloroaniline	11.12	127	539803	39.00	ng	94
34) Hexachlorobutadiene	11.28	225	300605	46.31	ng	94
35) Caprolactam	11.91	113	143829	37.35	ng	97
36) 4-Chloro-3-methylphenol	12.24	107	717881	59.70	ng	94
37) 2-Methylnaphthalene	12.82	142	1097699	49.87	ng	94
39) 1,2,4,5-Tetrachlorobenzene	12.97	216	576722	34.76	ng	100
40) Hexachlorocyclopentadiene	12.95	237	749548	89.60	ng	99

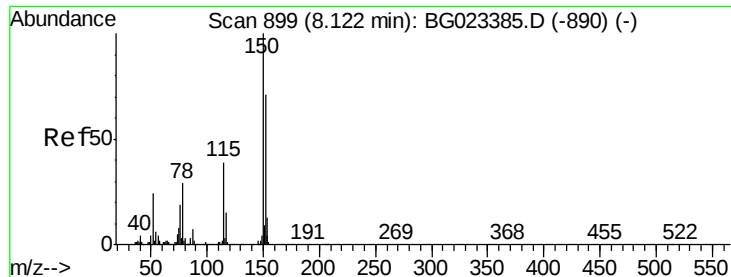
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.22	196	503736	50.97	ng	98
43) 2,4,5-Trichlorophenol	13.29	196	549529	54.02	ng	95
45) 1,1'-Biphenyl	13.61	154	1414339	40.44	ng	95
46) 2-Chloronaphthalene	13.66	162	1247079	46.10	ng	95
47) 2-Nitroaniline	13.87	65	592953	52.79	ng #	87
48) Acenaphthylene	14.51	152	1978491	46.27	ng	95
49) Dimethylphthalate	14.23	163	2137167	60.89	ng #	94
50) 2,6-Dinitrotoluene	14.36	165	436757	52.54	ng #	82
51) Acenaphthene	14.85	154	1287655	47.53	ng	99
52) 3-Nitroaniline	14.70	138	417180	44.51	ng	81
53) 2,4-Dinitrophenol	14.90	184	423764	79.54	ng	93
54) Dibenzofuran	15.19	168	2020387	51.37	ng	99
55) 4-Nitrophenol	15.02	139	709767	96.42	ng #	84
56) 2,4-Dinitrotoluene	15.15	165	639920	54.86	ng	94
57) Fluorene	15.84	166	1672750	48.73	ng	96
58) 2,3,4,6-Tetrachlorophenol	15.42	232	566052	60.64	ng	95
59) Diethylphthalate	15.60	149	1832678	51.44	ng	94
60) 4-Chlorophenyl-phenylether	15.82	204	889079	48.95	ng	98
61) 4-Nitroaniline	15.87	138	480553	48.16	ng #	71
62) Azobenzene	16.12	77	1949072	53.97	ng	90
64) 4,6-Dinitro-2-methylphenol	15.92	198	401366	51.63	ng	93
65) n-Nitrosodiphenylamine	16.04	169	1617078	48.22	ng	93
66) 4-Bromophenyl-phenylether	16.73	248	661790	49.66	ng	94
67) Hexachlorobenzene	16.85	284	720735	49.44	ng	93
68) Atrazine	17.00	200	707739	54.96	ng	96
69) Pentachlorophenol	17.20	266	879158	103.44	ng	98
70) Phenanthrene	17.59	178	2641247	45.53	ng #	91
71) Anthracene	17.68	178	2674980	45.84	ng #	90
72) Carbazole	17.95	167	2513092	49.05	ng	95
73) Di-n-butylphthalate	18.49	149	2781392	55.29	ng #	95
74) Fluoranthene	19.60	202	2827499	53.44	ng	91
76) Benzidine	19.78	184	1888533	71.56	ng	96
77) Pyrene	19.96	202	2769534	53.10	ng	94
79) Butylbenzylphthalate	20.84	149	1154799	50.52	ng	98
80) Benzo(a)anthracene	21.84	228	2446536	46.69	ng	97
81) 3,3'-Dichlorobenzidine	21.75	252	787058	36.62	ng #	99
82) Chrysene	21.91	228	2324953	46.63	ng	96
83) Bis(2-ethylhexyl)phthalate	21.72	149	1503287	48.02	ng	98
84) Di-n-octyl phthalate	22.99	149	2568113	48.07	ng	99
85) Indeno(1,2,3-cd)pyrene	29.10	276	3210587	51.54	ng #	100
87) Benzo(b)fluoranthene	24.16	252	2660581	48.90	ng #	95
88) Benzo(k)fluoranthene	24.23	252	2531286	48.44	ng #	95
89) Benzo(a)pyrene	25.08	252	2586114	49.98	ng #	96
90) Dibenzo(a,h)anthracene	29.17	278	2650705	50.15	ng #	92
91) Benzo(g,h,i)perylene	30.32	276	2648036	49.75	ng #	91

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.13 min Scan# 900

Delta R.T. 0.00 min

Lab File: BG023414.D

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BNA_G

ClientSampleId :

SB-65-14.0-15.0MSD

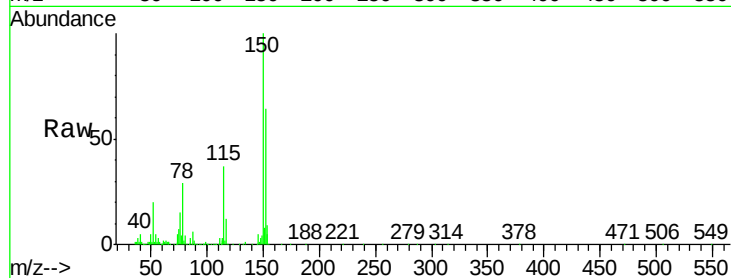
Tgt Ion:152 Resp: 113510

Ion Ratio Lower Upper

152 100

150 156.8 144.7 217.1

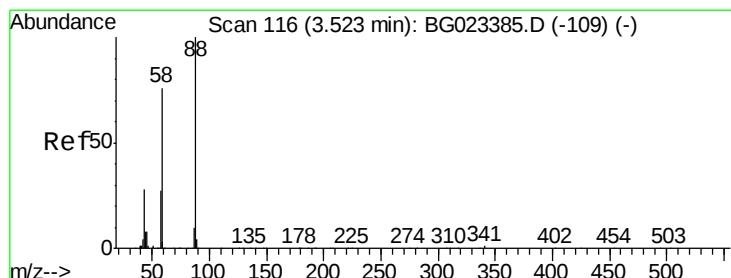
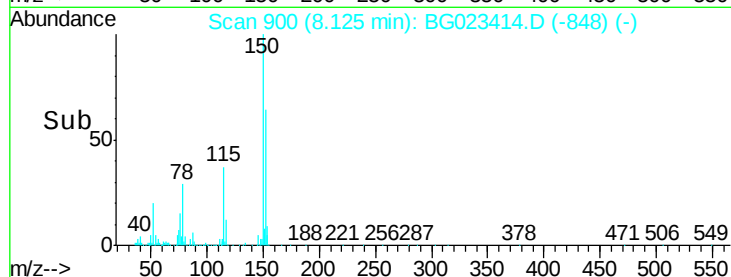
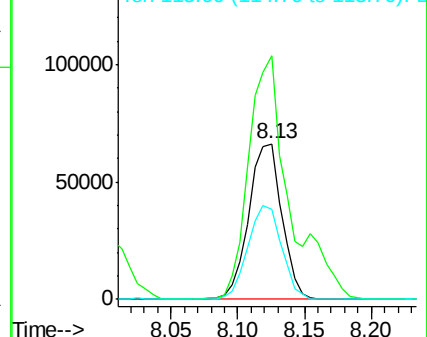
115 57.9 64.0 96.0#



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: 33.69 ng

RT: 3.52 min Scan# 116

Delta R.T. -0.00 min

Lab File: BG023414.D

Acq: 3 Aug 2016 3:02

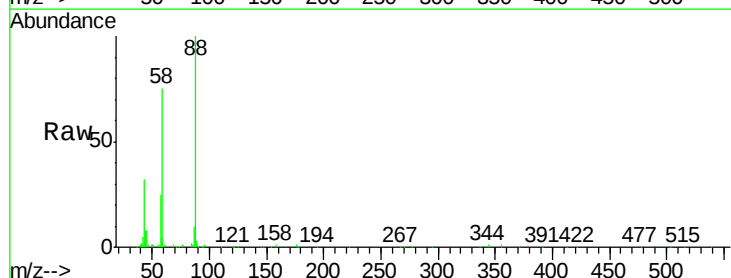
Tgt Ion: 88 Resp: 96799

Ion Ratio Lower Upper

88 100

58 82.6 60.4 90.6

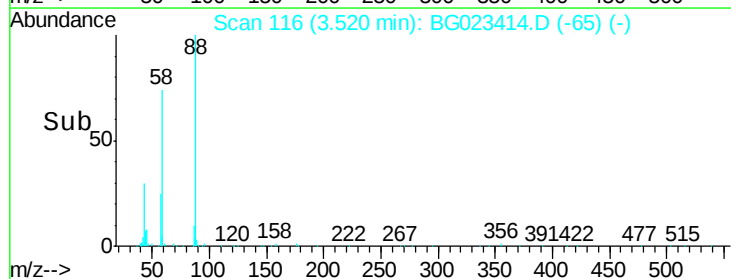
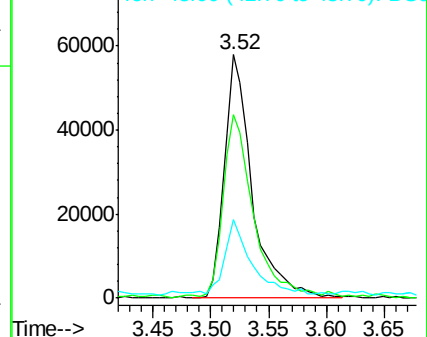
43 29.1 31.1 46.7#

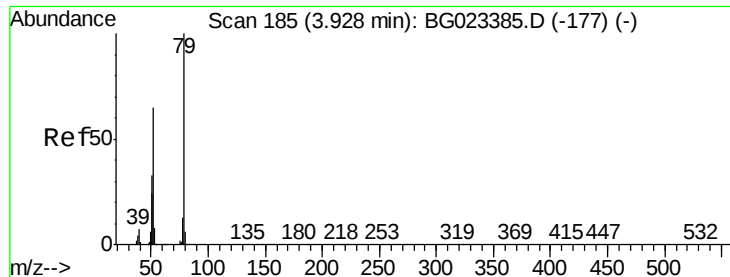


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 35.29 ng

RT: 3.93 min Scan# 186

Delta R.T. 0.00 min

Lab File: BG023414.D

Acq: 3 Aug 2016 3:02

Instrument :

BNA_G

ClientSampleId :

SB-65-14.0-15.0MSD

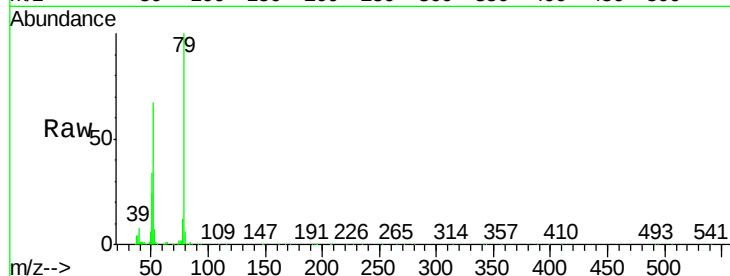
Tgt Ion: 79 Resp: 333228

Ion Ratio Lower Upper

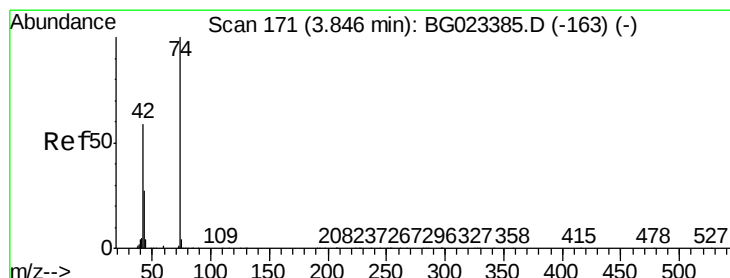
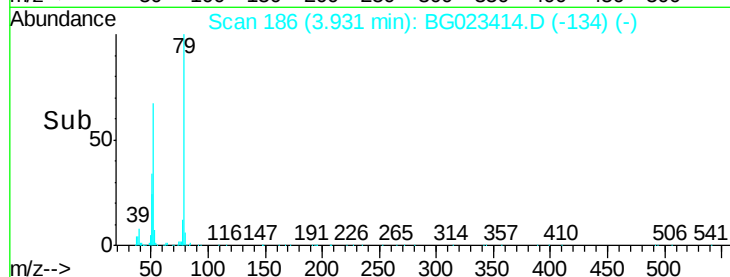
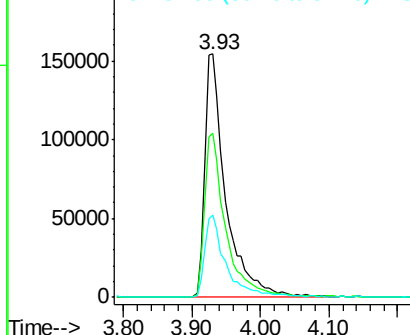
79 100

52 67.3 51.8 77.8

51 34.0 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: 48.16 ng

RT: 3.84 min Scan# 171

Delta R.T. -0.00 min

Lab File: BG023414.D

Acq: 3 Aug 2016 3:02

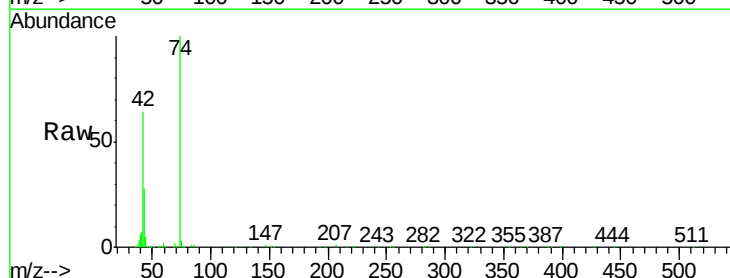
Tgt Ion: 42 Resp: 168577

Ion Ratio Lower Upper

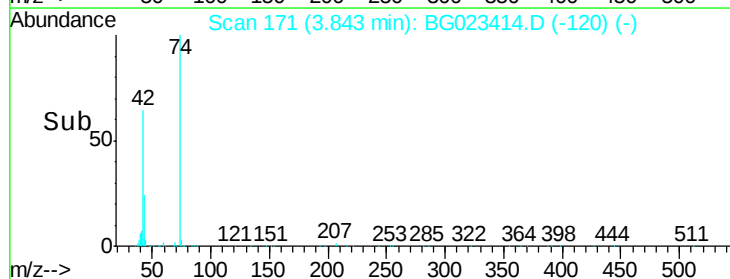
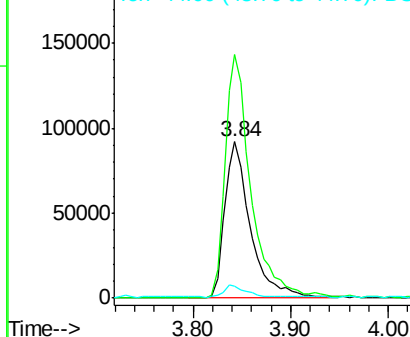
42 100

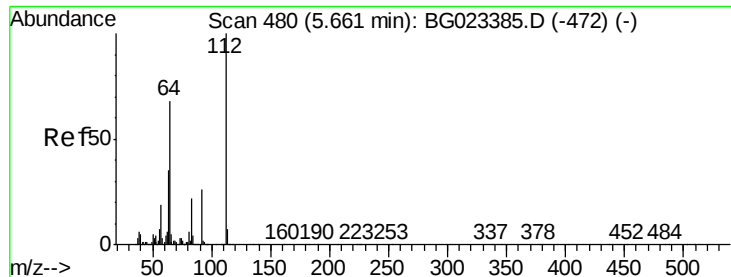
74 155.6 100.6 150.8#

44 7.6 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: 169.16 ng

RT: 5.66 min Scan# 481

Delta R.T. 0.00 min

Lab File: BG023414.D

Acq: 3 Aug 2016 3:02

Instrument :

BNA_G

ClientSampleId :

SB-65-14.0-15.0MSD

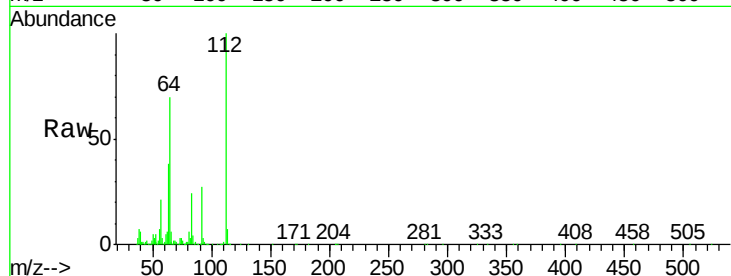
Tgt Ion: 112 Resp: 1140718

Ion Ratio Lower Upper

112 100

64 70.1 59.0 88.4

63 37.6 37.8 56.8#

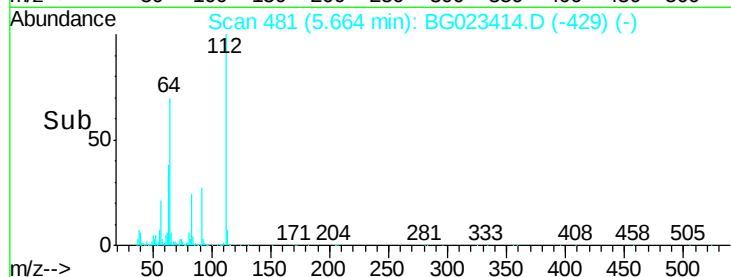


Abundance Ion 112.00 (111.70 to 112.70): B

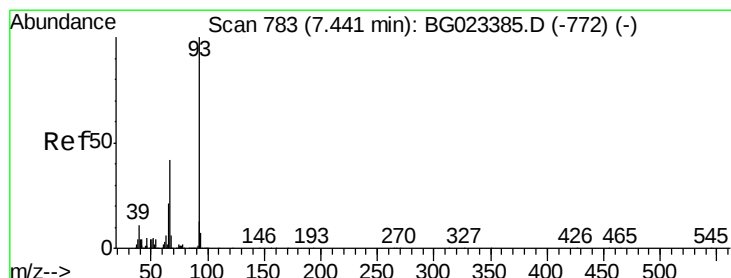
Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

5.66



Time-->



#6

Aniline

Concen: 50.36 ng

RT: 7.44 min Scan# 784

Delta R.T. 0.00 min

Lab File: BG023414.D

Acq: 3 Aug 2016 3:02

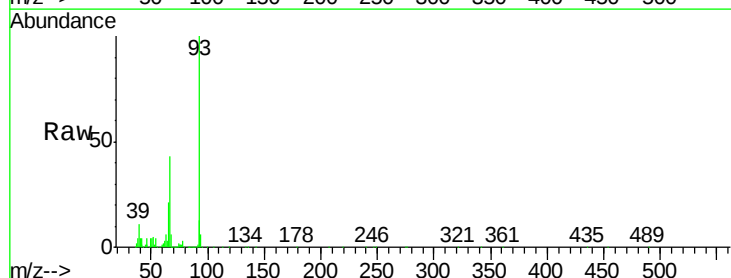
Tgt Ion: 93 Resp: 764217

Ion Ratio Lower Upper

93 100

66 43.1 37.5 56.3

65 21.0 17.9 26.9

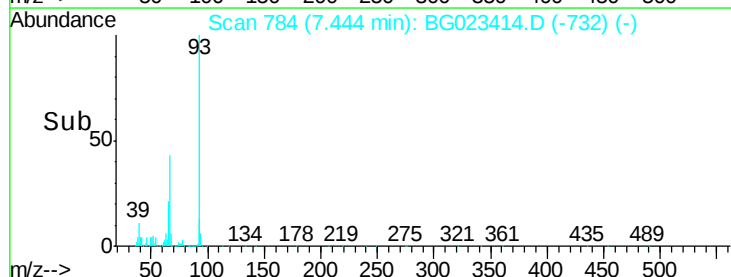


Abundance Ion 93.00 (92.70 to 93.70): BGC

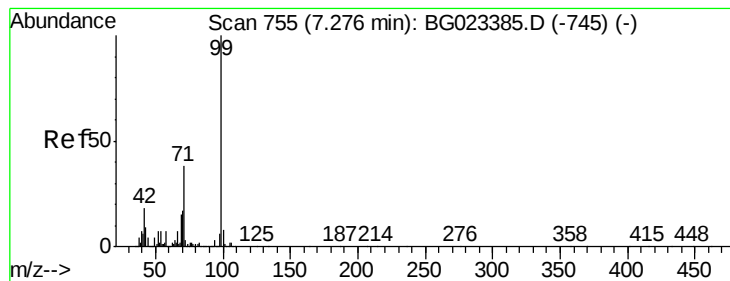
Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

7.44



Time-->



#7

Phenol-d6

Concen: 172.17 ng

RT: 7.28 min Scan# 756

Delta R.T. 0.00 min

Lab File: BG023414.D

Acq: 3 Aug 2016 3:02

Instrument :

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ClientSampleId :

SB-65-14.0-15.0MSD

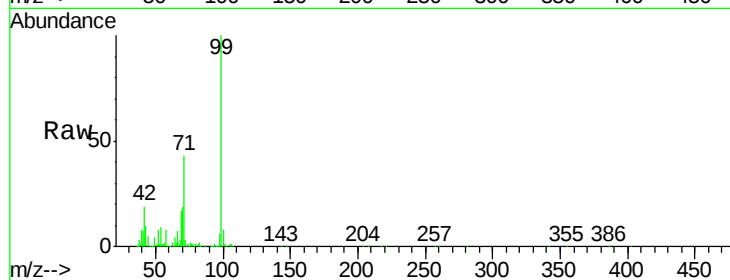
Tgt Ion: 99 Resp: 1808302

Ion Ratio Lower Upper

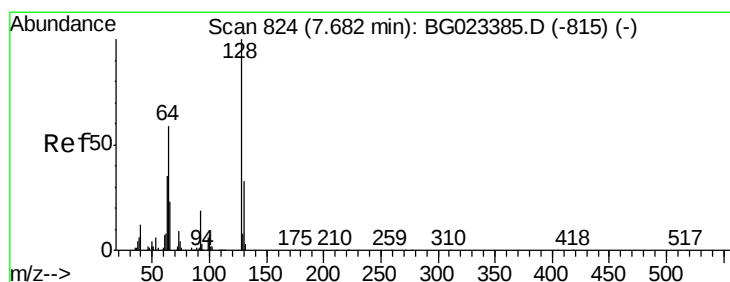
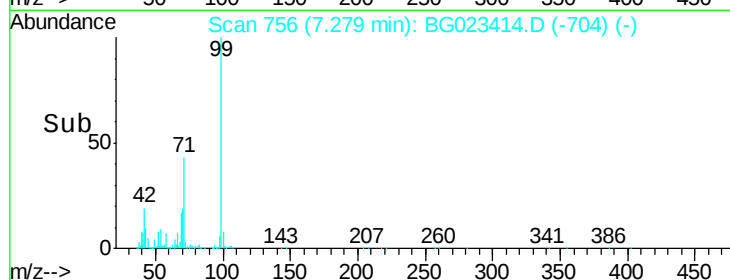
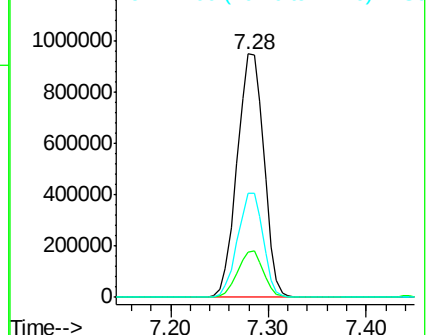
99 100

42 18.6 17.8 26.6

71 42.8 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: 57.70 ng

RT: 7.68 min Scan# 825

Delta R.T. 0.00 min

Lab File: BG023414.D

Acq: 3 Aug 2016 3:02

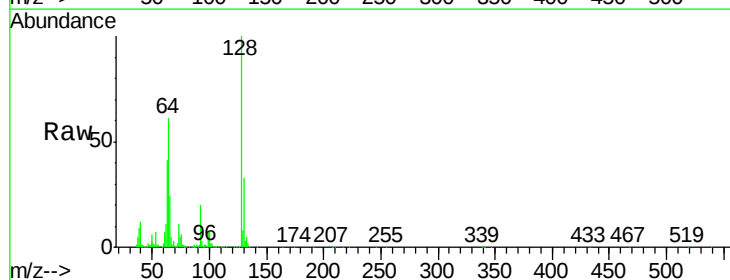
Tgt Ion: 128 Resp: 446968

Ion Ratio Lower Upper

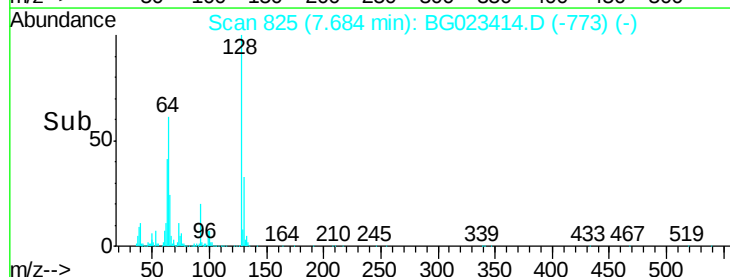
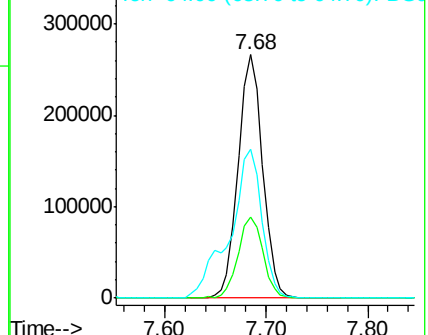
128 100

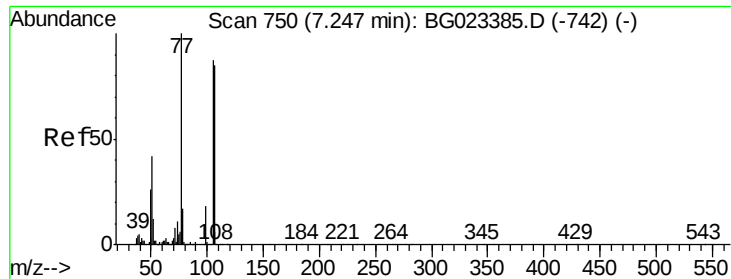
130 33.2 12.9 52.9

64 61.1 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: 44.47 ng

RT: 7.25 min Scan# 751

Delta R.T. 0.00 min

Lab File: BG023414.D

Acq: 3 Aug 2016 3:02

Instrument :

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ClientSampleId :

SB-65-14.0-15.0MSD

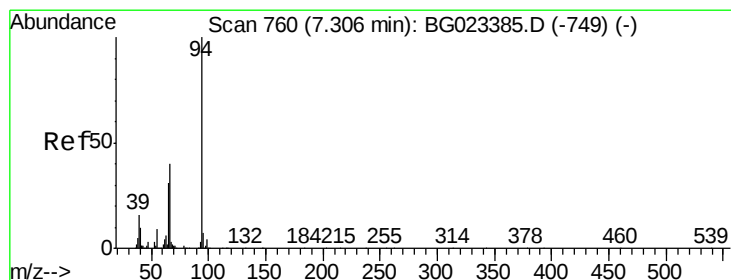
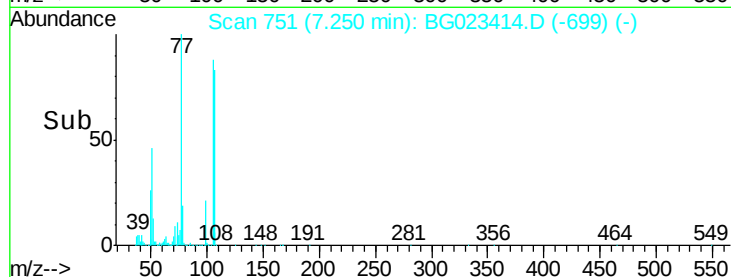
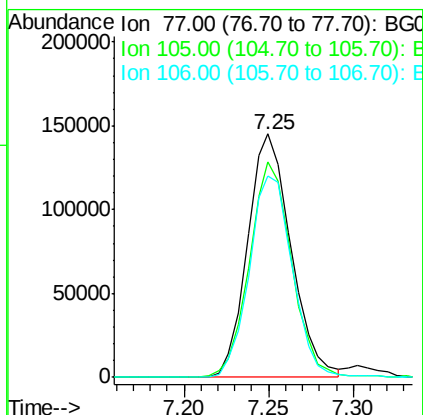
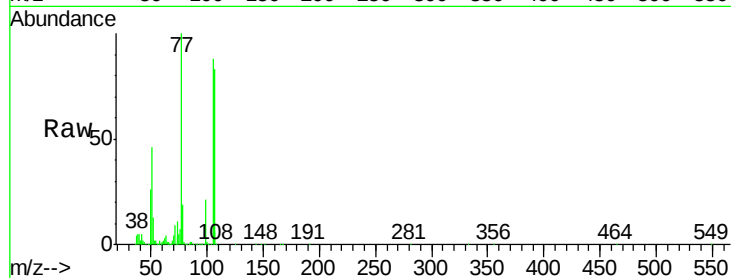
Tgt Ion: 77 Resp: 258135

Ion Ratio Lower Upper

77 100

105 88.4 58.7 98.7

106 82.6 67.5 107.5



#10

Phenol

Concen: 63.05 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.00 min

Lab File: BG023414.D

Acq: 3 Aug 2016 3:02

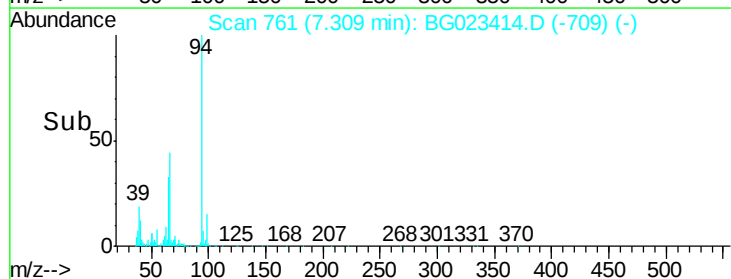
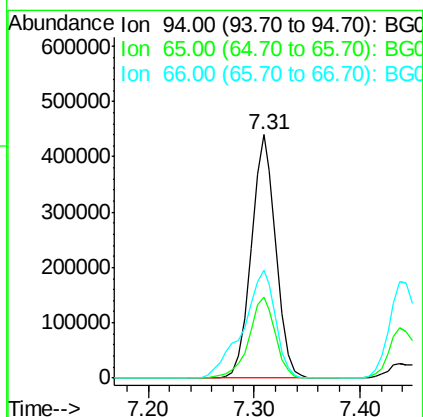
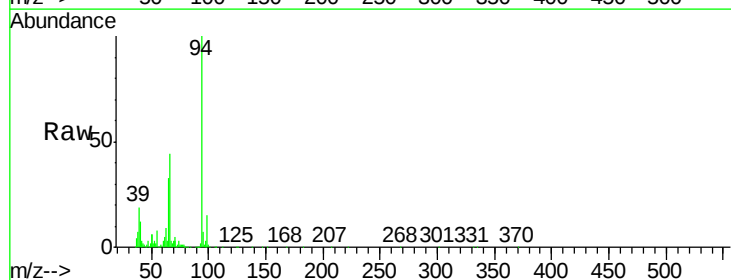
Tgt Ion: 94 Resp: 708479

Ion Ratio Lower Upper

94 100

65 33.1 18.1 58.1

66 44.5 42.1 82.1

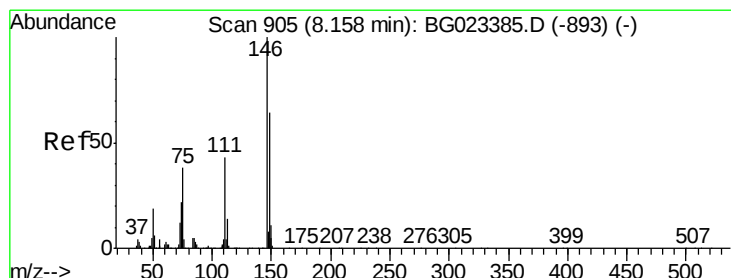
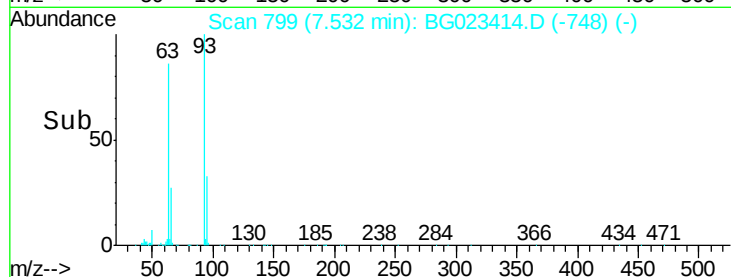
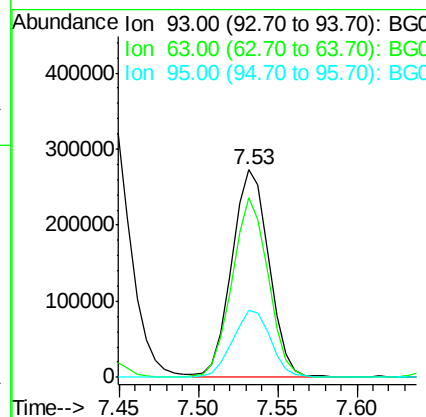
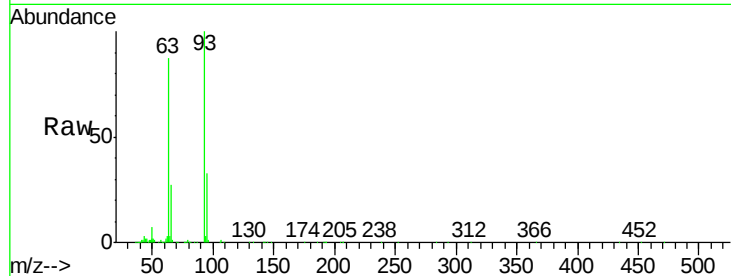




#11
bis(2-Chloroethyl)ether
Concen: 49.28 ng
RT: 7.53 min Scan# 799
Delta R.T. -0.00 min
Lab File: BG023414.D
Acq: 3 Aug 2016 3:02

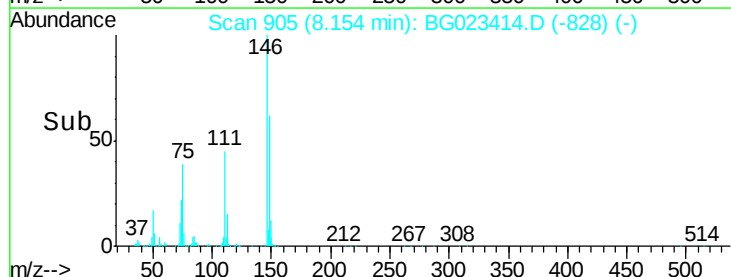
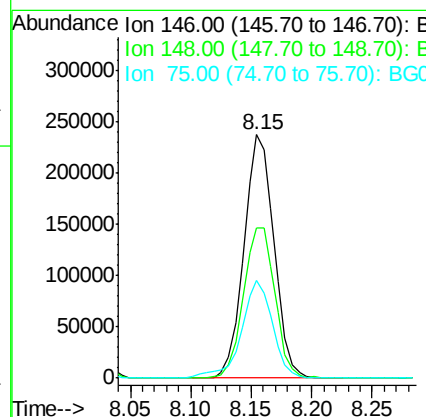
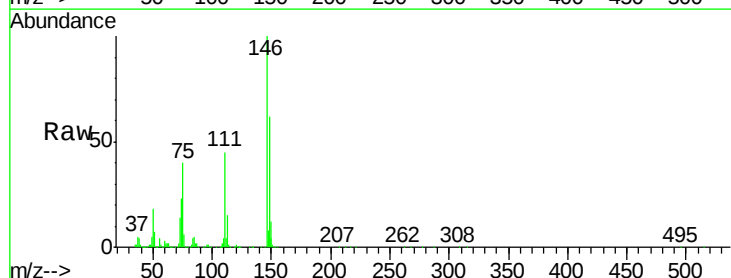
Instrument :
BNA_G
ClientSampleId :
SB-65-14.0-15.0MSD

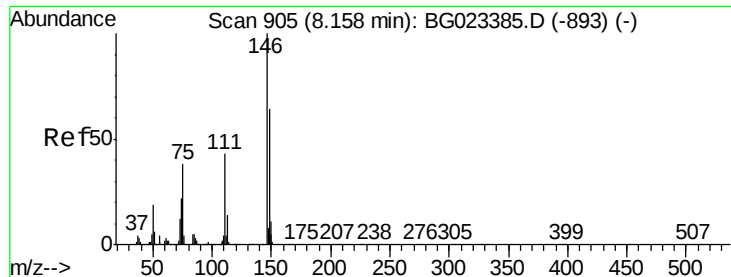
Tgt Ion	Ratio	Lower	Upper
93	100		
63	86.6	55.0	95.0
95	32.6	11.0	51.0



#12
1,3-Dichlorobenzene
Concen: 46.21 ng
RT: 8.15 min Scan# 905
Delta R.T. 0.15 min
Lab File: BG023414.D
Acq: 3 Aug 2016 3:02

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.8	50.3	75.5
75	40.3	37.0	55.6





#13

1,4-Dichlorobenzene

Concen: 45.14 ng

RT: 8.15 min Scan# 905

Delta R.T. -0.00 min

Lab File: BG023414.D

Acq: 3 Aug 2016 3:02

Instrument :

BNA_G

ClientSampleId :

SB-65-14.0-15.0MSD

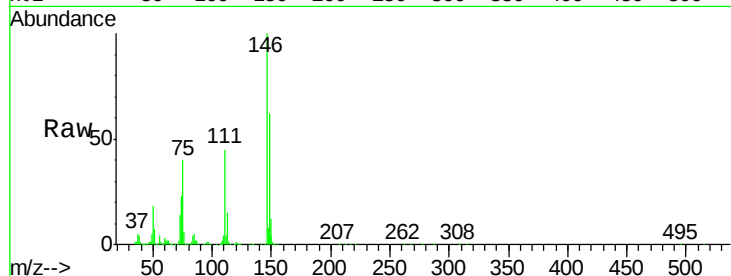
Tgt Ion:146 Resp: 409872

Ion Ratio Lower Upper

146 100

148 61.8 54.5 81.7

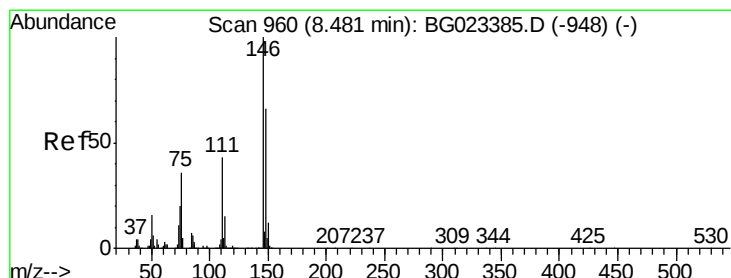
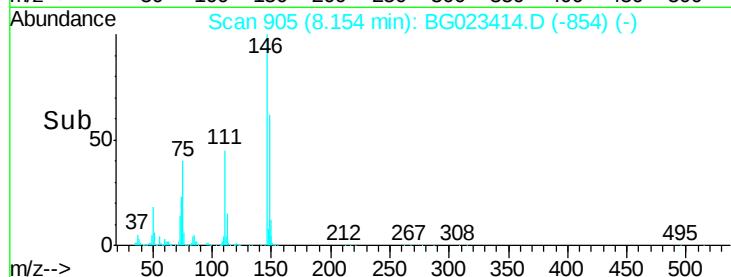
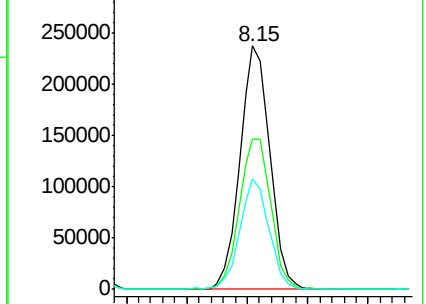
111 45.4 37.8 56.8



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 45.49 ng

RT: 8.48 min Scan# 960

Delta R.T. -0.00 min

Lab File: BG023414.D

Acq: 3 Aug 2016 3:02

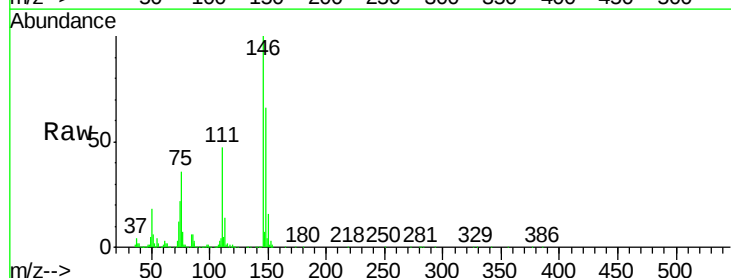
Tgt Ion:146 Resp: 405137

Ion Ratio Lower Upper

146 100

148 66.2 52.9 79.3

111 47.1 43.5 65.3



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

