

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071516\
 Data File : BG023122.D
 Acq On : 15 Jul 2016 20:51
 Operator : UM/SJ
 Sample : H4018-04MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D8-B3(6-12)CMSD

Quant Time: Jul 15 23:10:53 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 12 18:30:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	107227	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	509718	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	385464	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	890745	20.00	ng	0.00
75) Chrysene-d12	21.86	240	939873	20.00	ng	0.00
86) Perylene-d12	25.23	264	953031	20.00	ng	0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.70	112	1035550	157.95	ng	0.00
7) Phenol-d6	7.31	99	1622137	157.97	ng	0.00
23) Nitrobenzene-d5	9.33	82	1196840	100.54	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	834619	120.48	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	2251461	92.00	ng	0.00
78) Terphenyl-d14	20.15	244	3008567	117.73	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.57	88	89664	35.19	ng	90
3) Pyridine	3.97	79	297161	34.08	ng	96
4) n-Nitrosodimethylamine	3.88	42	172156	46.02	ng	# 96
6) Aniline	7.47	93	484383	34.04	ng	99
8) 2-Chlorophenol	7.72	128	361145	51.76	ng	98
9) Benzaldehyde	7.28	77	182502	26.60	ng	93
10) Phenol	7.34	94	590656	55.91	ng	94
11) bis(2-Chloroethyl)ether	7.56	93	389024	46.46	ng	96
12) 1,3-Dichlorobenzene	8.04	146	367018	42.97	ng	96
13) 1,4-Dichlorobenzene	8.19	146	370388	43.32	ng	96
14) 1,2-Dichlorobenzene	8.51	146	368148	43.31	ng	96
15) Benzyl Alcohol	8.40	79	503743	53.56	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.68	45	483702	47.29	ng	96
17) 2-Methylphenol	8.60	107	363517	52.85	ng	96
18) Hexachloroethane	9.25	117	154534	42.82	ng	92
19) n-Nitroso-di-n-propylamine	8.96	70	424188	45.82	ng	96
20) 3+4-Methylphenols	8.93	107	510361	53.21	ng	96
22) Acetophenone	8.98	105	672237	43.94	ng	# 95
24) Nitrobenzene	9.37	77	602054	47.60	ng	93
25) Isophorone	9.89	82	1088749	45.47	ng	97
26) 2-Nitrophenol	10.09	139	234098	47.17	ng	88
27) 2,4-Dimethylphenol	10.14	122	385043	44.88	ng	95
28) bis(2-Chloroethoxy)methane	10.37	93	611203	45.77	ng	98
29) 2,4-Dichlorophenol	10.63	162	456529	49.89	ng	93
30) 1,2,4-Trichlorobenzene	10.84	180	463233	44.18	ng	97
31) Naphthalene	11.03	128	1175608	45.31	ng	99
32) Benzoic acid	10.26	122	152881	19.59	ng	91
33) 4-Chloroaniline	11.14	127	251673	19.83	ng	94
34) Hexachlorobutadiene	11.31	225	339694	39.96	ng	97
35) Caprolactam	11.92	113	109072	28.97	ng	96
36) 4-Chloro-3-methylphenol	12.26	107	574657	45.92	ng	98
37) 2-Methylnaphthalene	12.63	142	949958	46.32	ng	97
39) 1,2,4,5-Tetrachlorobenzene	13.00	216	611680	36.82	ng	99
40) Hexachlorocyclopentadiene	12.97	237	737962	77.17	ng	99

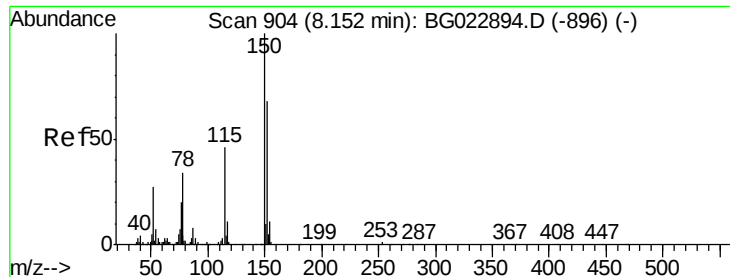
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071516\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 12 18:30:58 2016
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.24	196	437631	45.84	ng	96
43) 2,4,5-Trichlorophenol	13.31	196	464119	47.34	ng	94
45) 1,1'-Biphenyl	13.63	154	1283098	44.36	ng	96
46) 2-Chloronaphthalene	13.68	162	1105660	47.13	ng	95
47) 2-Nitroaniline	13.88	65	465315	46.48	ng	92
48) Acenaphthylene	14.52	152	1585084	45.04	ng	97
49) Dimethylphthalate	14.25	163	2099939	66.69	ng	96
50) 2,6-Dinitrotoluene	14.38	165	334021	47.20	ng	87
51) Acenaphthene	14.86	154	1048502	45.59	ng	97
52) 3-Nitroaniline	14.71	138	237906	33.72	ng	97
53) 2,4-Dinitrophenol	14.91	184	338384	69.69	ng	97
54) Dibenzofuran	15.20	168	1678957	48.77	ng	99
55) 4-Nitrophenol	15.02	139	517193	87.44	ng	96
56) 2,4-Dinitrotoluene	15.16	165	479670	46.50	ng	# 98
57) Fluorene	15.85	166	1353992	45.70	ng	97
58) 2,3,4,6-Tetrachlorophenol	15.43	232	467902	47.70	ng	98
59) Diethylphthalate	15.60	149	1467750	45.81	ng	96
60) 4-Chlorophenyl-phenylether	15.83	204	784940	43.50	ng	97
61) 4-Nitroaniline	15.87	138	323305	42.34	ng	# 86
62) Azobenzene	16.13	77	1627083	53.10	ng	95
64) 4,6-Dinitro-2-methylphenol	15.93	198	287377	43.41	ng	99
65) n-Nitrosodiphenylamine	16.05	169	1247760	48.62	ng	97
66) 4-Bromophenyl-phenylether	16.73	248	520567	44.92	ng	97
67) Hexachlorobenzene	16.85	284	555527	44.09	ng	98
68) Atrazine	17.00	200	535125	47.01	ng	98
69) Pentachlorophenol	17.20	266	701175	85.93	ng	98
70) Phenanthrene	17.60	178	2058529	47.16	ng	95
71) Anthracene	17.69	178	2087524	47.23	ng	96
72) Carbazole	17.96	167	1865267	48.84	ng	98
73) Di-n-butylphthalate	18.49	149	2156456	50.77	ng	98
74) Fluoranthene	19.60	202	2396774	44.74	ng	98
76) Benzidine	19.78	184	1036488	38.47	ng	99
77) Pyrene	19.96	202	2398699	45.42	ng	97
79) Butylbenzylphthalate	20.83	149	1106495	52.89	ng	98
80) Benzo(a)anthracene	21.84	228	2496152	47.47	ng	98
81) 3,3'-Dichlorobenzidine	21.75	252	715433	31.00	ng	98
82) Chrysene	21.91	228	2299183	46.61	ng	94
83) Bis(2-ethylhexyl)phthalate	21.71	149	1510448	52.00	ng	100
84) Di-n-octyl phthalate	22.98	149	2496945	51.54	ng	99
85) Indeno(1,2,3-cd)pyrene	29.10	276	2849273	45.30	ng	# 100
87) Benzo(b)fluoranthene	24.16	252	2686199	48.85	ng	# 97
88) Benzo(k)fluoranthene	24.23	252	2529730	48.48	ng	# 97
89) Benzo(a)pyrene	25.08	252	2574132	48.84	ng	# 98
90) Dibenzo(a,h)anthracene	29.17	278	2340624	44.74	ng	# 97
91) Benzo(g,h,i)perylene	30.30	276	2251029	42.97	ng	# 97

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

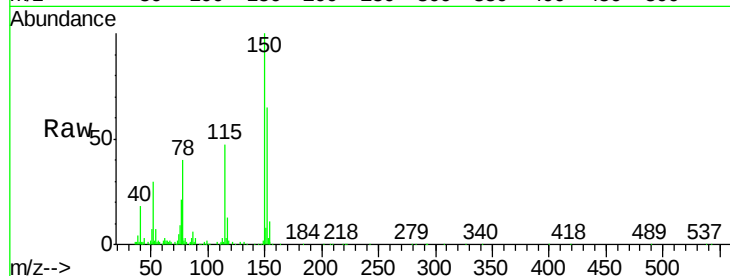


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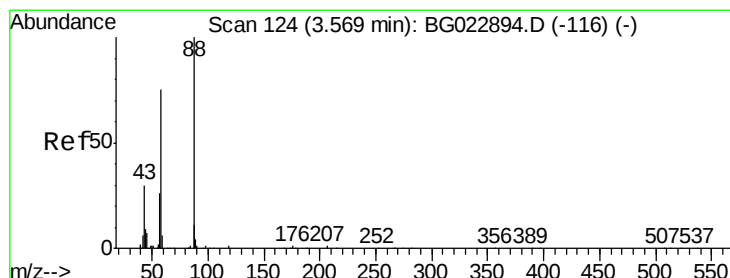
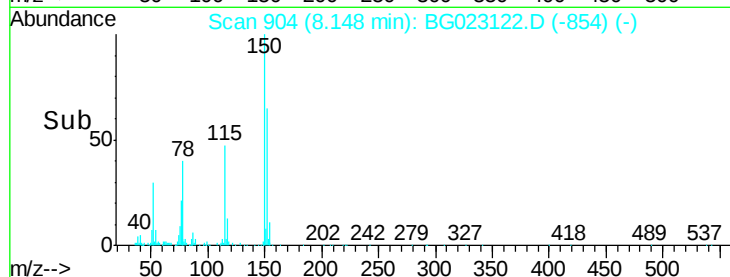
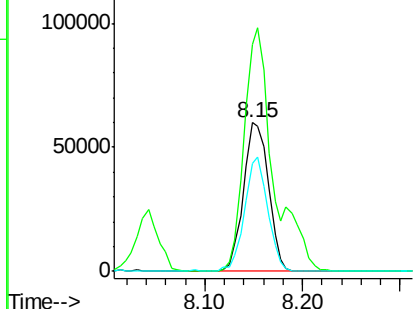
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.15 min Scan# 904
Delta R.T. -0.00 min
Lab File: BG023122.D
Acq: 15 Jul 2016 20:51

Instrument :
BNA_G
ClientSampleId :
D8-B3(6-12)CMSD

Tgt Ion:152 Resp: 107227
Ion Ratio Lower Upper
152 100
150 153.0 144.7 217.1
115 72.5 64.0 96.0



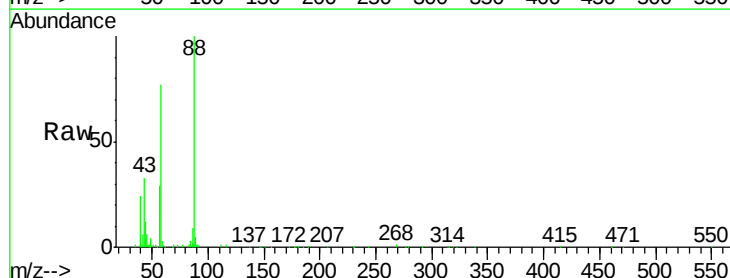
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



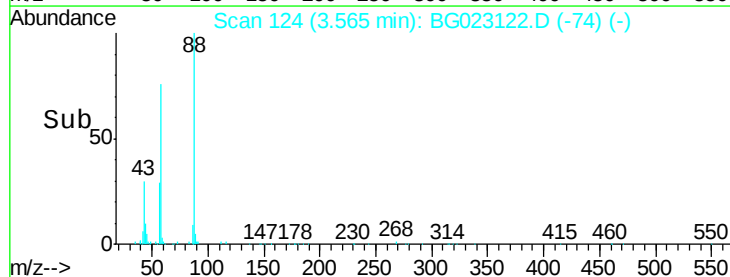
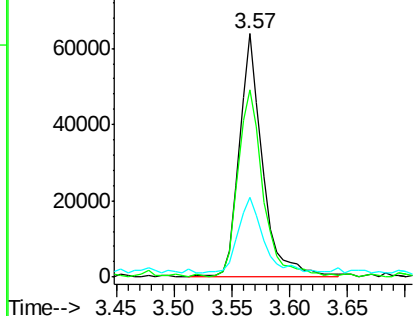
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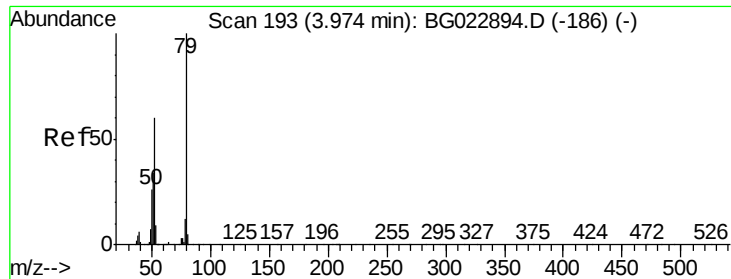
1,4-Dioxane
Concen: 35.19 ng
RT: 3.57 min Scan# 124
Delta R.T. -0.00 min
Lab File: BG023122.D
Acq: 15 Jul 2016 20:51

Tgt Ion: 88 Resp: 89664
Ion Ratio Lower Upper
88 100
58 83.9 60.4 90.6
43 33.0 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: 34.08 ng

RT: 3.97 min Scan# 193

Delta R.T. -0.00 min

Lab File: BG023122.D

Acq: 15 Jul 2016 20:51

Instrument :

BNA_G

ClientSampleId :

D8-B3(6-12)CMSD

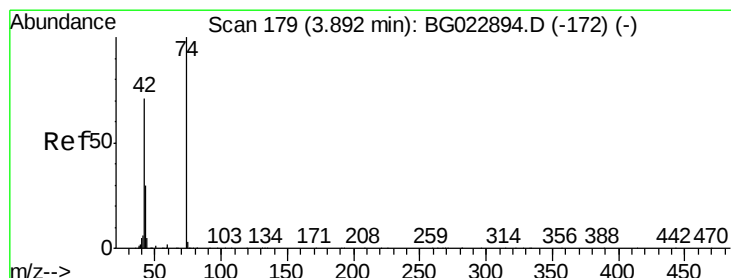
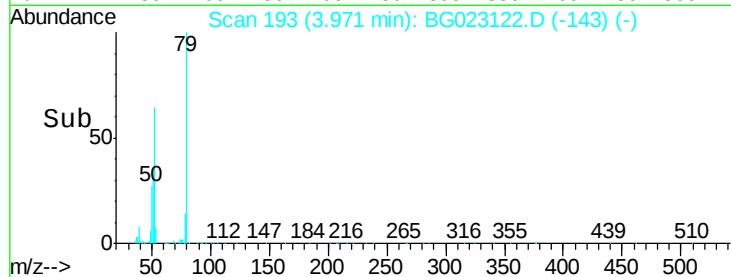
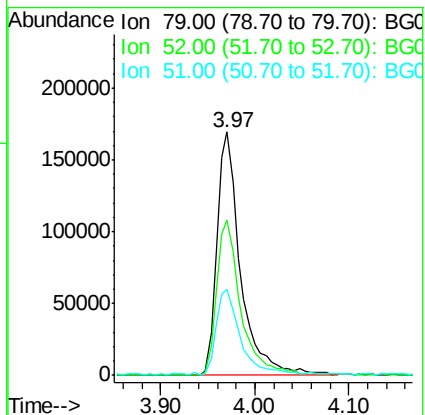
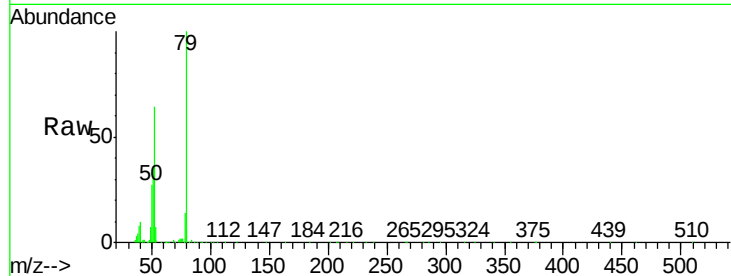
Tgt Ion: 79 Resp: 297161

Ion Ratio Lower Upper

79 100

52 64.0 51.8 77.8

51 35.3 32.7 49.1



#4

n-Nitrosodimethylamine

Concen: 46.02 ng

RT: 3.88 min Scan# 178

Delta R.T. -0.01 min

Lab File: BG023122.D

Acq: 15 Jul 2016 20:51

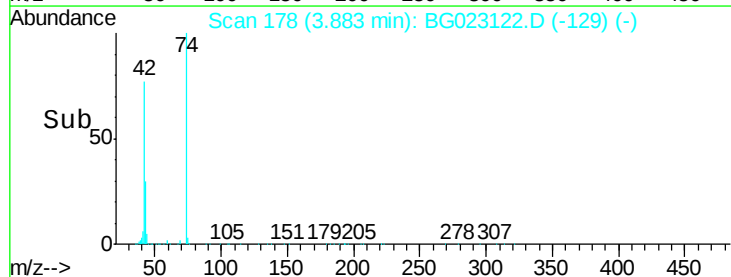
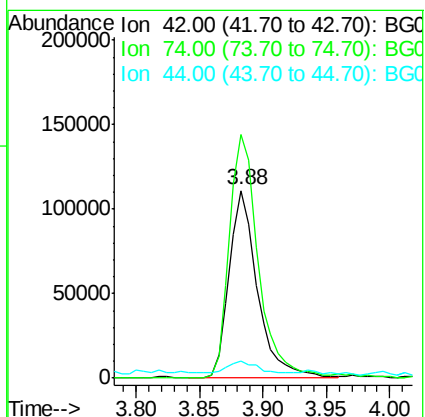
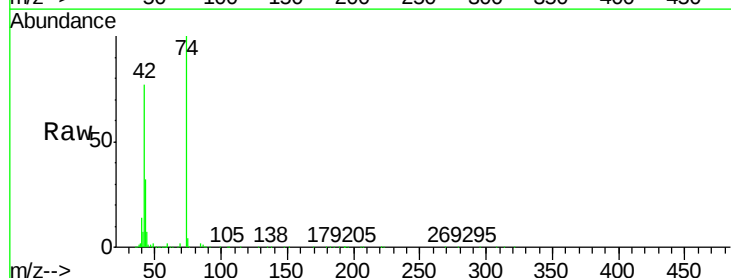
Tgt Ion: 42 Resp: 172156

Ion Ratio Lower Upper

42 100

74 129.7 100.6 150.8

44 9.4 4.5 6.7#





#5

2-Fluorophenol

Concen: 157.95 ng

RT: 5.70 min Scan# 487

Delta R.T. 0.00 min

Lab File: BG023122.D

Acq: 15 Jul 2016 20:51

Instrument :

BNA_G

ClientSampleId :

D8-B3(6-12)CMSD

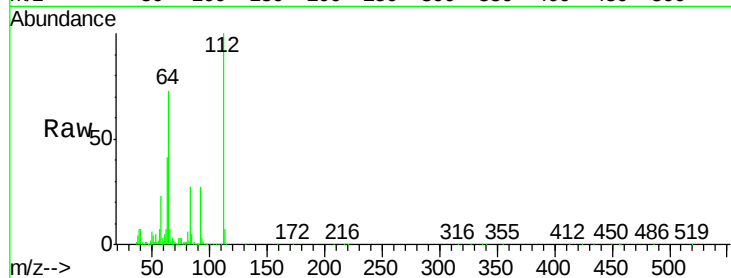
Tgt Ion: 112 Resp: 1035550

Ion Ratio Lower Upper

112 100

64 72.7 59.0 88.4

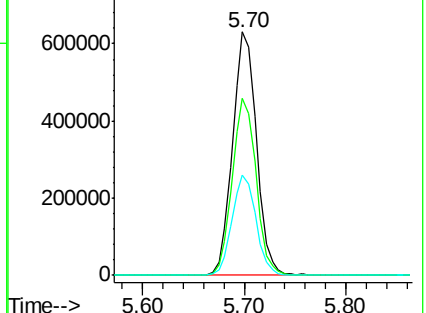
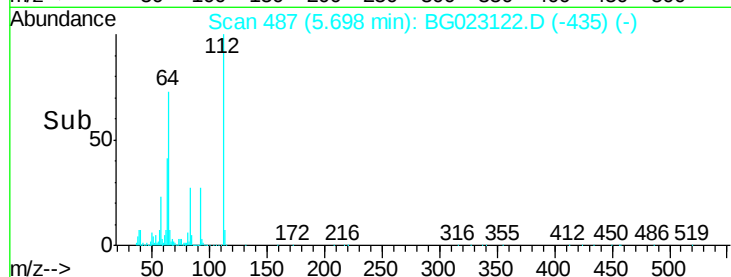
63 41.0 37.8 56.8



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



#6

Aniline

Concen: 34.04 ng

RT: 7.47 min Scan# 789

Delta R.T. 0.00 min

Lab File: BG023122.D

Acq: 15 Jul 2016 20:51

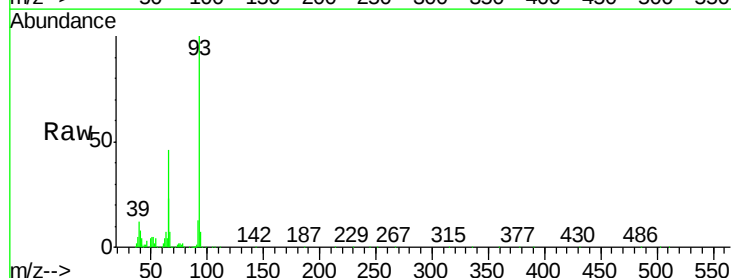
Tgt Ion: 93 Resp: 484383

Ion Ratio Lower Upper

93 100

66 46.0 37.5 56.3

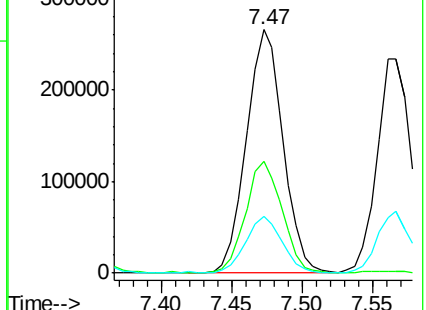
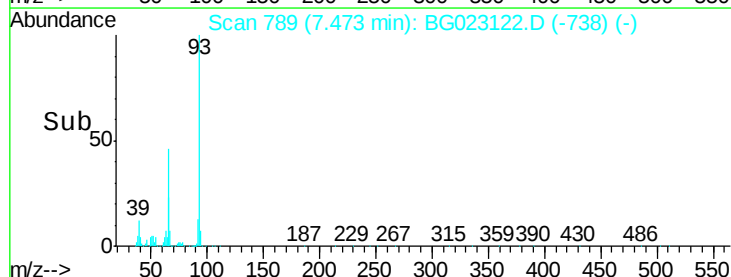
65 23.0 17.9 26.9

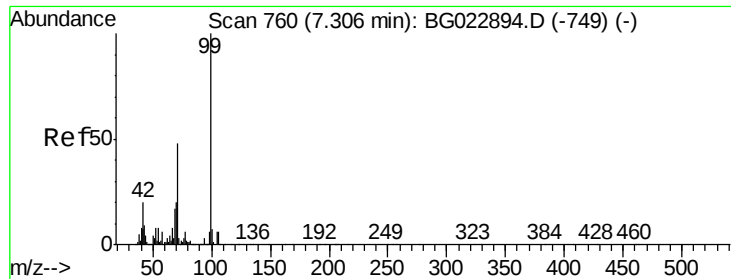


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 157.97 ng

RT: 7.31 min Scan# 762

Delta R.T. 0.01 min

Lab File: BG023122.D

Acq: 15 Jul 2016 20:51

Instrument :

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ClientSampleId :

D8-B3(6-12)CMSD

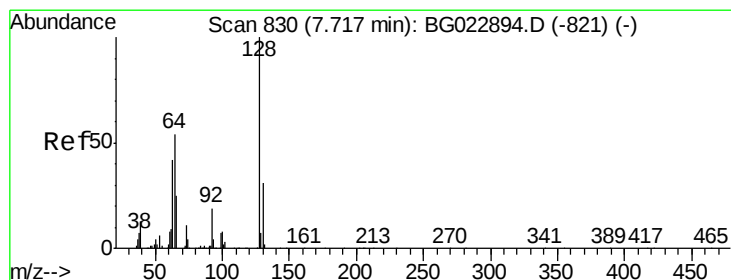
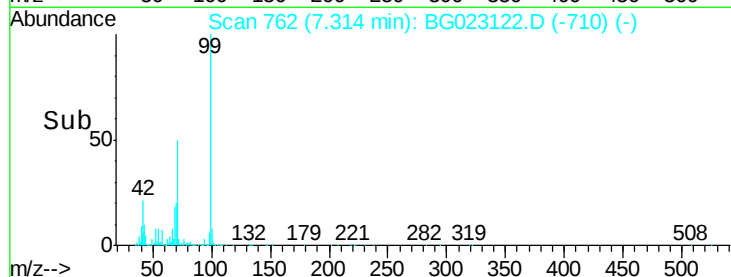
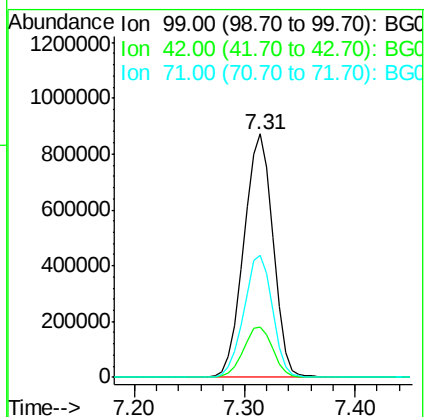
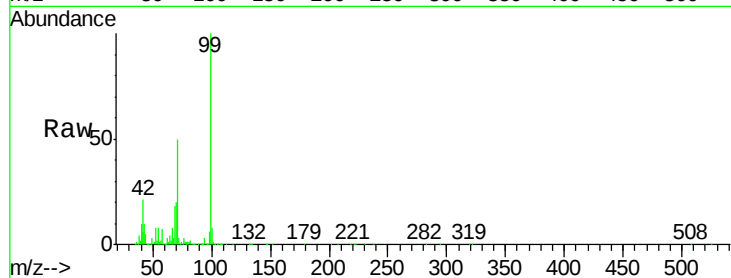
Tgt Ion: 99 Resp: 1622137

Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.8	26.6
71	49.9	41.5	62.3

99 100

42 20.8 17.8 26.6

71 49.9 41.5 62.3



#8

2-Chlorophenol

Concen: 51.76 ng

RT: 7.72 min Scan# 831

Delta R.T. 0.00 min

Lab File: BG023122.D

Acq: 15 Jul 2016 20:51

Tgt Ion: 128 Resp: 361145

Ion	Ratio	Lower	Upper
128	100		
130	33.4	12.9	52.9
64	64.3	42.0	82.0

128 100

130 33.4 12.9 52.9

64 64.3 42.0 82.0

