

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110216\
 Data File : BG024640.D
 Acq On : 3 Nov 2016 00:29
 Operator : UM/SJ
 Sample : H5491-12MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GW-71-7.7-14.0MSD

Quant Time: Nov 03 01:35:27 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 26 11:14:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	117994	20.00	ng	0.00
21) Naphthalene-d8	11.09	136	460453	20.00	ng	0.00
38) Acenaphthene-d10	14.88	164	343318	20.00	ng	0.00
63) Phenanthrene-d10	17.63	188	739388	20.00	ng	0.00
75) Chrysene-d12	21.92	240	1029069	20.00	ng	0.00
86) Perylene-d12	25.35	264	1105169	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.80	112	451593	62.73	ng	0.00
7) Phenol-d6	7.40	99	494413	50.07	ng	0.00
23) Nitrobenzene-d5	9.44	82	737446	72.92	ng	0.00
41) 2,4,6-Tribromophenol	16.37	330	466803	91.01	ng	0.00
44) 2-Fluorobiphenyl	13.51	172	1507873	73.00	ng	0.00
78) Terphenyl-d14	20.21	244	2537642	73.69	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.67	88	77951	26.50	ng	95
3) Pyridine	4.07	79	183257	20.81	ng	96
4) n-Nitrosodimethylamine	3.99	42	119691	26.26	ng	# 76
6) Aniline	7.59	93	216552	17.31	ng	97
8) 2-Chlorophenol	7.83	128	281126	38.41	ng	95
9) Benzaldehyde	7.40	77	91714	15.03	ng	85
10) Phenol	7.43	94	236027	23.19	ng	90
11) bis(2-Chloroethyl)ether	7.67	93	373764	48.87	ng	86
12) 1,3-Dichlorobenzene	8.15	146	404091	44.59	ng	96
13) 1,4-Dichlorobenzene	8.30	146	413305	46.18	ng	96
14) 1,2-Dichlorobenzene	8.62	146	401668	46.68	ng	94
15) Benzyl Alcohol	8.50	79	339107	36.91	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.80	45	618119	43.56	ng	93
17) 2-Methylphenol	8.70	107	234615	34.78	ng	93
18) Hexachloroethane	9.36	117	157382	45.74	ng	91
19) n-Nitroso-di-n-propylamine	9.07	70	336548	46.24	ng	90
20) 3+4-Methylphenols	9.02	107	307216	33.92	ng	91
22) Acetophenone	9.10	105	572889	48.44	ng	# 93
24) Nitrobenzene	9.49	77	515668	45.83	ng	98
25) Isophorone	10.00	82	895165	47.59	ng	98
26) 2-Nitrophenol	10.20	139	167795	40.18	ng	95
27) 2,4-Dimethylphenol	10.24	122	297860	40.74	ng	96
28) bis(2-Chloroethoxy)methane	10.48	93	491913	50.54	ng	99
29) 2,4-Dichlorophenol	10.73	162	325722	42.45	ng	96
30) 1,2,4-Trichlorobenzene	10.95	180	434065	47.69	ng	98
31) Naphthalene	11.15	128	1073198	46.73	ng	98
32) Benzoic acid	10.33	122	69608	11.43	ng	# 85
33) 4-Chloroaniline	11.25	127	157702	15.81	ng	95
34) Hexachlorobutadiene	11.41	225	329072	46.19	ng	95
35) Caprolactam	12.00	113	40678	14.48	ng	# 84
36) 4-Chloro-3-methylphenol	12.34	107	367385	39.66	ng	96
37) 2-Methylnaphthalene	12.73	142	791393	47.22	ng	99
39) 1,2,4,5-Tetrachlorobenzene	13.09	216	535670	46.26	ng	98
40) Hexachlorocyclopentadiene	13.06	237	713930	109.48	ng	93

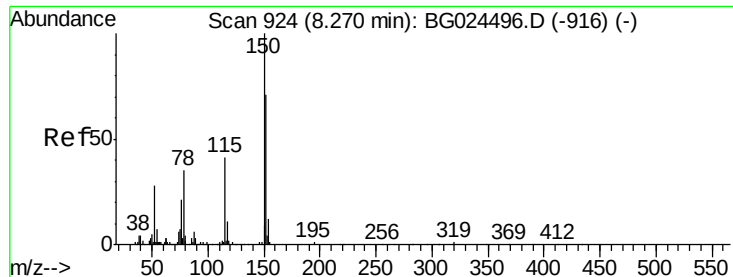
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110216\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.32	196	290320	41.71	ng	99
43) 2,4,5-Trichlorophenol	13.40	196	299814	39.84	ng	94
45) 1,1'-Biphenyl	13.72	154	1086196	45.59	ng	96
46) 2-Chloronaphthalene	13.77	162	864958	47.68	ng	97
47) 2-Nitroaniline	13.97	65	340159	45.79	ng	93
48) Acenaphthylene	14.61	152	1270523	45.67	ng	99
49) Dimethylphthalate	14.32	163	1111322	45.60	ng	99
50) 2,6-Dinitrotoluene	14.45	165	248087	47.68	ng	89
51) Acenaphthene	14.95	154	855593	41.25	ng	97
52) 3-Nitroaniline	14.79	138	121430	22.55	ng	94
53) 2,4-Dinitrophenol	14.99	184	257332	68.25	ng	97
54) Dibenzofuran	15.28	168	1368763	47.74	ng	99
55) 4-Nitrophenol	15.07	139	232663	49.60	ng	91
56) 2,4-Dinitrotoluene	15.23	165	369701	48.90	ng	94
57) Fluorene	15.93	166	1099894	46.26	ng	96
58) 2,3,4,6-Tetrachlorophenol	15.50	232	317050	40.64	ng	# 94
59) Diethylphthalate	15.68	149	1151297	45.06	ng	99
60) 4-Chlorophenyl-phenylether	15.91	204	637030	47.75	ng	95
61) 4-Nitroaniline	15.95	138	245580	41.75	ng	97
62) Azobenzene	16.20	77	1204009	47.24	ng	96
64) 4,6-Dinitro-2-methylphenol	15.99	198	199393	39.14	ng	97
65) n-Nitrosodiphenylamine	16.12	169	977799	48.37	ng	98
66) 4-Bromophenyl-phenylether	16.80	248	447502	49.86	ng	95
67) Hexachlorobenzene	16.92	284	499116	50.32	ng	92
68) Atrazine	17.06	200	441234	50.89	ng	97
69) Pentachlorophenol	17.27	266	516163	78.87	ng	98
70) Phenanthrene	17.67	178	1806406	47.93	ng	96
71) Anthracene	17.76	178	1832241	48.19	ng	99
72) Carbazole	18.03	167	1678744	48.41	ng	99
73) Di-n-butylphthalate	18.55	149	1896751	47.44	ng	97
74) Fluoranthene	19.66	202	2303777	48.36	ng	98
76) Benzidine	19.84	184	264679	10.92	ng	96
77) Pyrene	20.02	202	2364137	47.00	ng	98
79) Butylbenzylphthalate	20.88	149	1019827	48.63	ng	98
80) Benzo(a)anthracene	21.90	228	2705883	47.87	ng	99
81) 3,3'-Dichlorobenzidine	21.81	252	611531	26.81	ng	# 98
82) Chrysene	21.97	228	2560210	47.55	ng	99
83) Bis(2-ethylhexyl)phthalate	21.76	149	1460066	48.67	ng	100
84) Di-n-octyl phthalate	23.04	149	2467774	49.57	ng	94
85) Indeno(1,2,3-cd)pyrene	29.29	276	3563240	47.94	ng	99
87) Benzo(b)fluoranthene	24.25	252	2917694	48.84	ng	100
88) Benzo(k)fluoranthene	24.33	252	2734380	47.40	ng	98
89) Benzo(a)pyrene	25.19	252	2774520	47.53	ng	100
90) Dibenzo(a,h)anthracene	29.37	278	2987833	46.63	ng	96
91) Benzo(g,h,i)perylene	30.53	276	2945132	46.01	ng	95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.27 min Scan# 924

Delta R.T. -0.00 min

Lab File: BG024640.D

Acq: 3 Nov 2016 00:29

Instrument :

BNA_G

ClientSampleId :

GW-71-7.7-14.0MSD

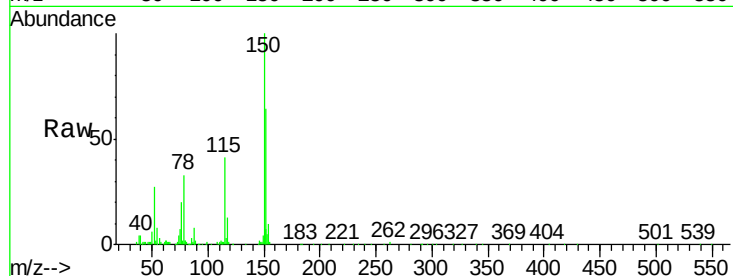
Tgt Ion:152 Resp: 117994

Ion Ratio Lower Upper

152 100

150 156.4 114.0 171.0

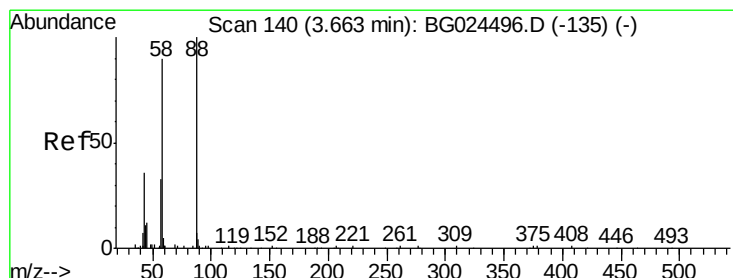
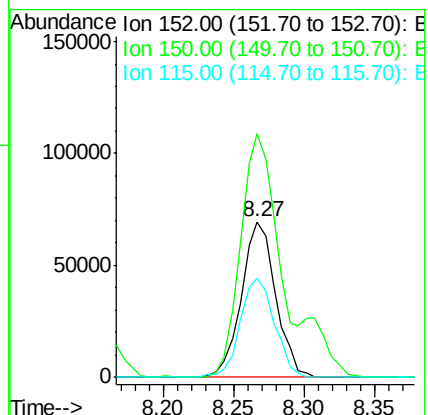
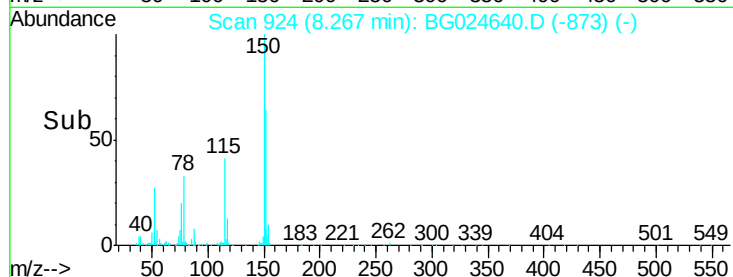
115 64.0 48.1 72.1



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: 26.50 ng

RT: 3.67 min Scan# 141

Delta R.T. 0.00 min

Lab File: BG024640.D

Acq: 3 Nov 2016 00:29

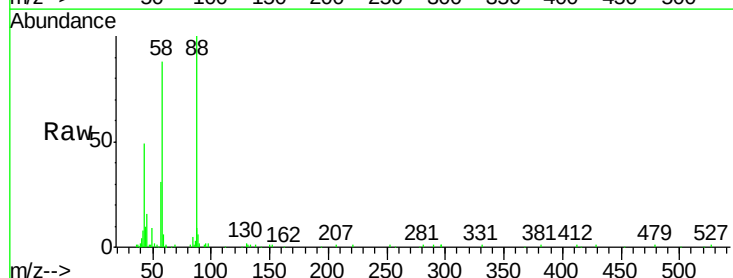
Tgt Ion: 88 Resp: 77951

Ion Ratio Lower Upper

88 100

58 93.1 79.4 119.2

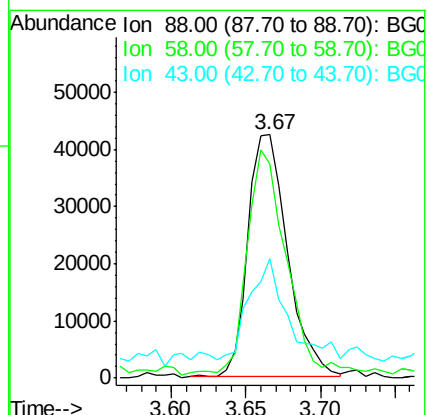
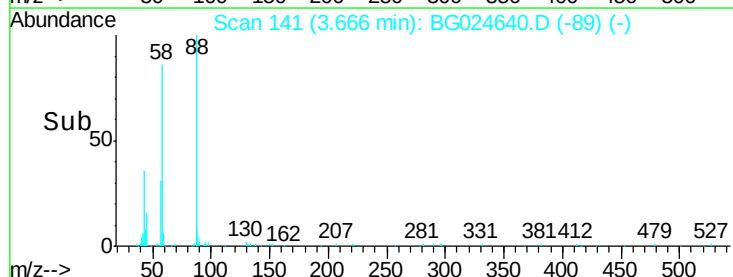
43 41.0 33.8 50.6

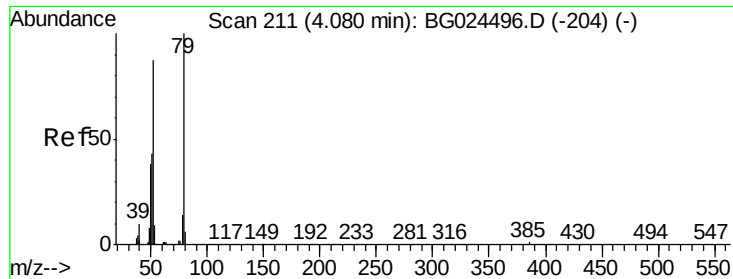


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 20.81 ng

RT: 4.07 min Scan# 210

Delta R.T. -0.01 min

Lab File: BG024640.D

Acq: 3 Nov 2016 00:29

Instrument :

BNA_G

ClientSampleId :

GW-71-7.7-14.0MSD

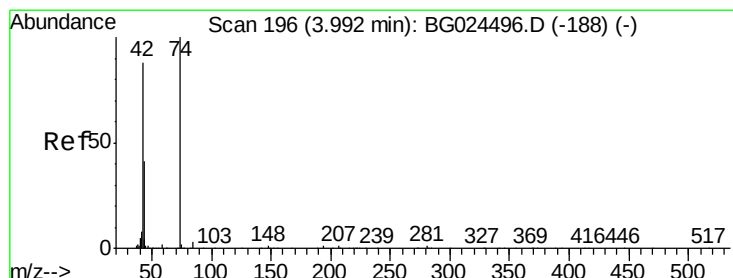
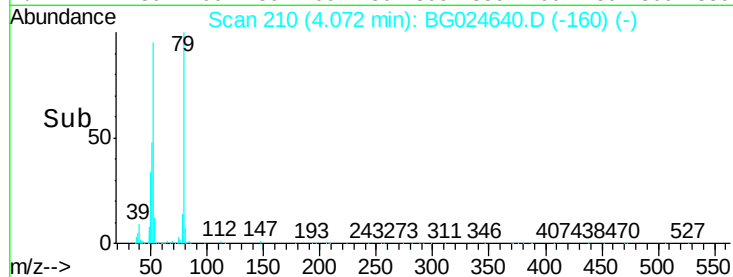
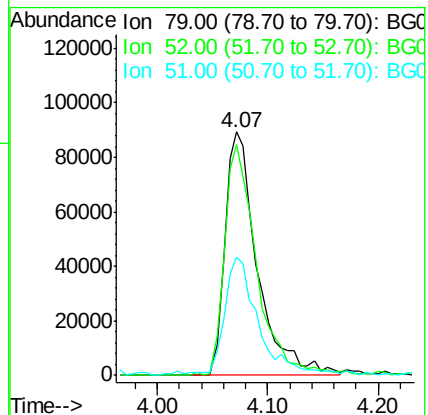
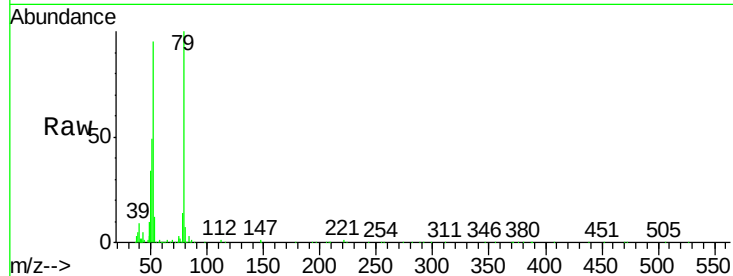
Tgt Ion: 79 Resp: 183257

Ion Ratio Lower Upper

79 100

52 94.8 77.8 116.6

51 48.7 43.2 64.8



#4

n-Nitrosodimethylamine

Concen: 26.26 ng

RT: 3.99 min Scan# 196

Delta R.T. -0.00 min

Lab File: BG024640.D

Acq: 3 Nov 2016 00:29

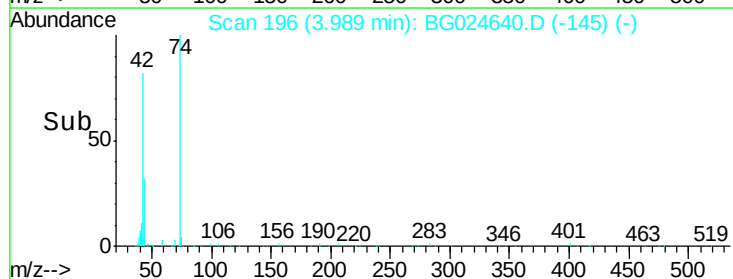
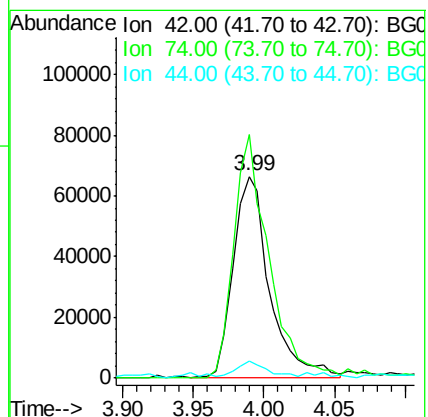
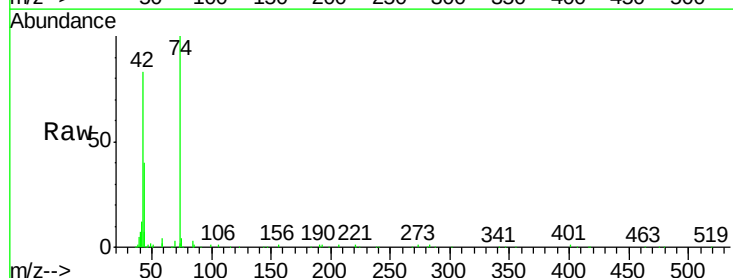
Tgt Ion: 42 Resp: 119691

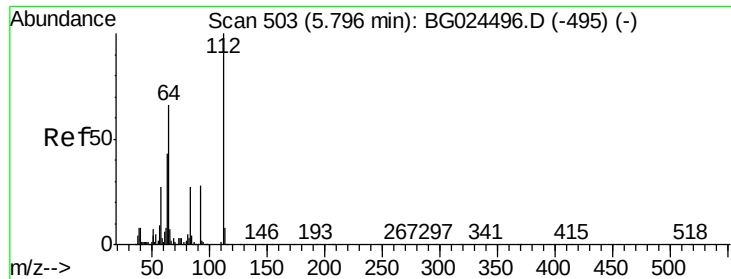
Ion Ratio Lower Upper

42 100

74 120.7 76.7 115.1#

44 8.4 6.1 9.1





#5

2-Fluorophenol

Concen: 62.73 ng

RT: 5.80 min Scan# 504

Delta R.T. 0.00 min

Lab File: BG024640.D

Acq: 3 Nov 2016 00:29

Instrument :

BNA_G

ClientSampleId :

GW-71-7.7-14.0MSD

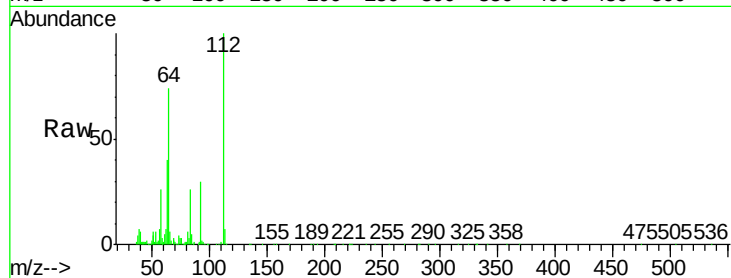
Tgt Ion: 112 Resp: 451593

Ion Ratio Lower Upper

112 100

64 74.3 61.8 92.6

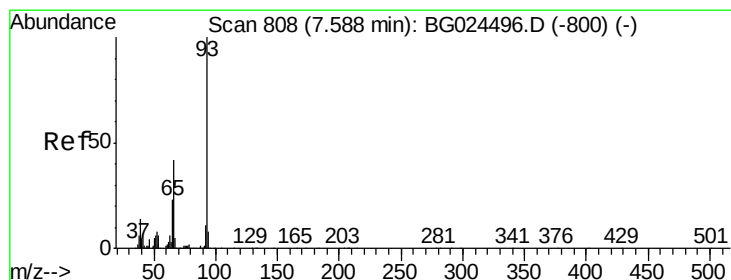
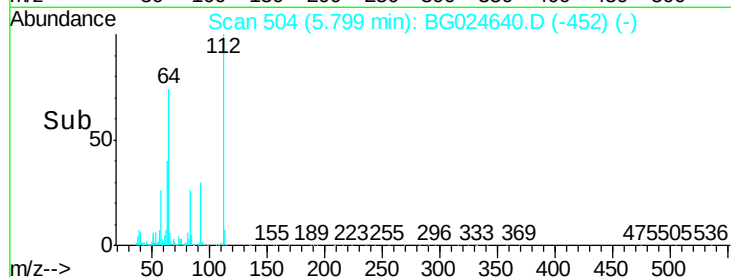
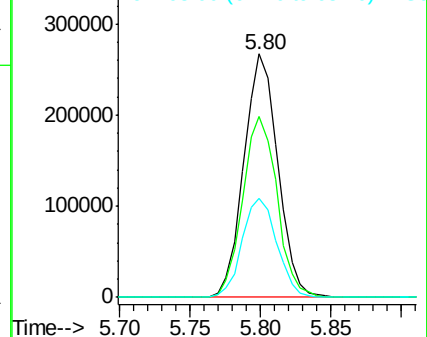
63 40.5 37.2 55.8



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: 17.31 ng

RT: 7.59 min Scan# 808

Delta R.T. -0.00 min

Lab File: BG024640.D

Acq: 3 Nov 2016 00:29

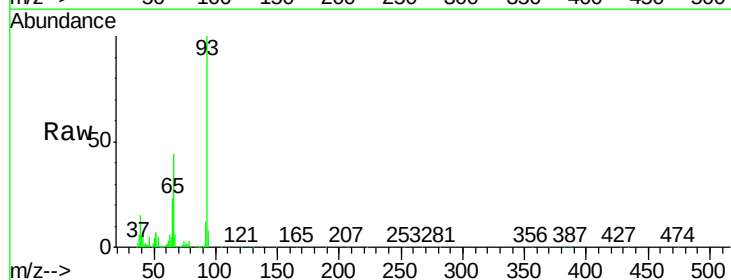
Tgt Ion: 93 Resp: 216552

Ion Ratio Lower Upper

93 100

66 44.0 35.4 53.2

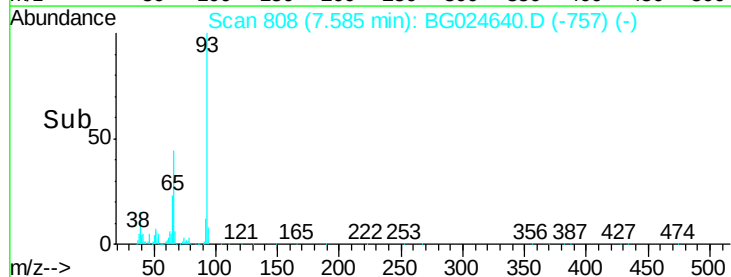
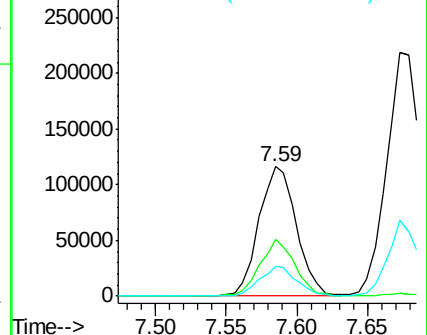
65 22.6 21.2 31.8

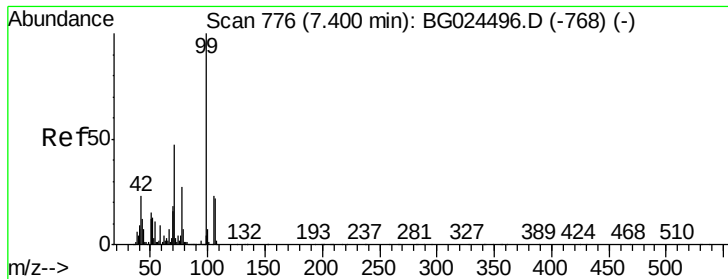


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 50.07 ng

RT: 7.40 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG024640.D

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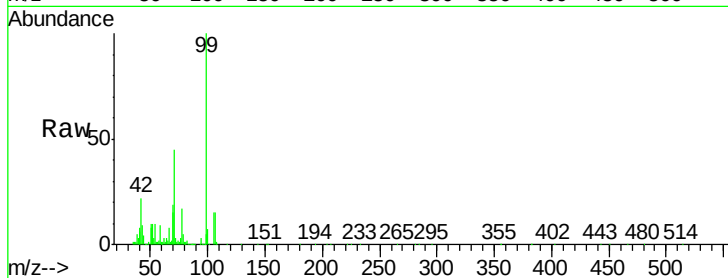
Tgt Ion: 99 Resp: 494413

Ion Ratio Lower Upper

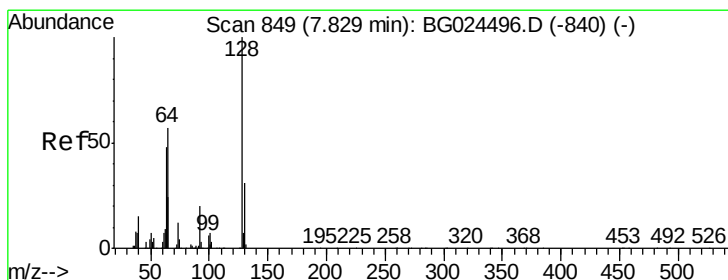
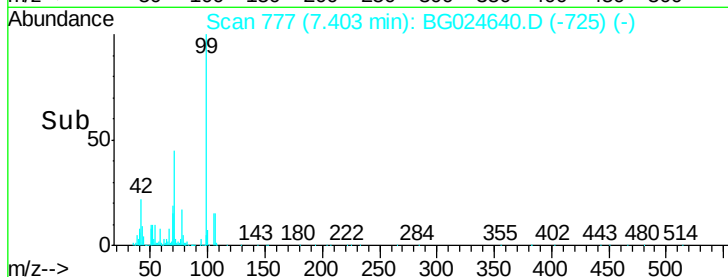
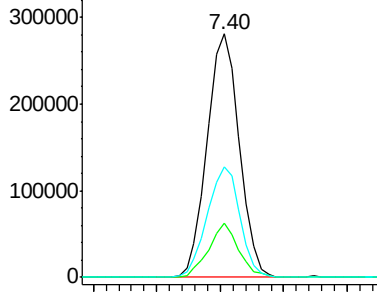
99 100

42 22.3 20.5 30.7

71 45.4 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: 38.41 ng

RT: 7.83 min Scan# 849

Delta R.T. -0.00 min

Lab File: BG024640.D

Acq: 3 Nov 2016 00:29

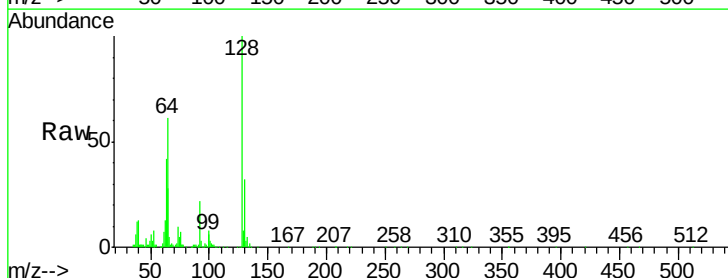
Tgt Ion: 128 Resp: 281126

Ion Ratio Lower Upper

128 100

130 31.9 11.4 51.4

64 61.2 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

