

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110416\
 Data File : BG024710.D
 Acq On : 5 Nov 2016 13:21
 Operator : UM/SJ
 Sample : H5526-4MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-99-14.5-15.0MSD

Quant Time: Nov 06 23:47:51 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	94062	20.00	ng	0.00
21) Naphthalene-d8	11.09	136	354502	20.00	ng	0.00
38) Acenaphthene-d10	14.88	164	270684	20.00	ng	0.00
63) Phenanthrene-d10	17.63	188	648424	20.00	ng	0.00
75) Chrysene-d12	21.93	240	889347	20.00	ng	0.00
86) Perylene-d12	25.35	264	948206	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.80	112	905051	157.70	ng	0.00
7) Phenol-d6	7.41	99	1293393	164.30	ng	0.00
23) Nitrobenzene-d5	9.44	82	897946	115.33	ng	0.00
41) 2,4,6-Tribromophenol	16.37	330	740893	183.21	ng	0.00
44) 2-Fluorobiphenyl	13.51	172	1741434	106.93	ng	0.00
78) Terphenyl-d14	20.21	244	3089613	103.81	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.66	88	87416	37.28	ng	96
3) Pyridine	4.07	79	283824	40.43	ng	93
4) n-Nitrosodimethylamine	3.98	42	172447	47.45	ng	84
6) Aniline	7.59	93	377005	37.80	ng	# 92
8) 2-Chlorophenol	7.83	128	307280	52.66	ng	94
9) Benzaldehyde	7.40	77	57201	11.76	ng	85
10) Phenol	7.43	94	471219	58.07	ng	94
11) bis(2-Chloroethyl)ether	7.67	93	315745	51.79	ng	87
12) 1,3-Dichlorobenzene	8.16	146	328160	45.43	ng	97
13) 1,4-Dichlorobenzene	8.30	146	337556	47.31	ng	97
14) 1,2-Dichlorobenzene	8.63	146	324587	47.32	ng	93
15) Benzyl Alcohol	8.50	79	382404	52.22	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.79	45	515697	45.59	ng	95
17) 2-Methylphenol	8.70	107	291282	54.17	ng	98
18) Hexachloroethane	9.35	117	128159	46.73	ng	98
19) n-Nitroso-di-n-propylamine	9.07	70	292761	50.46	ng	99
20) 3+4-Methylphenols	9.02	107	387782	53.71	ng	93
22) Acetophenone	9.10	105	499847	54.89	ng	# 92
24) Nitrobenzene	9.48	77	447378	51.65	ng	94
25) Isophorone	10.00	82	791333	54.64	ng	99
26) 2-Nitrophenol	10.19	139	189901	59.07	ng	93
27) 2,4-Dimethylphenol	10.24	122	326673	58.04	ng	98
28) bis(2-Chloroethoxy)methane	10.48	93	438298	58.49	ng	99
29) 2,4-Dichlorophenol	10.73	162	354879	60.07	ng	95
30) 1,2,4-Trichlorobenzene	10.95	180	377159	53.82	ng	94
31) Naphthalene	11.15	128	921015	52.09	ng	99
32) Benzoic acid	10.31	122	41963	8.95	ng	90
33) 4-Chloroaniline	11.25	127	252755	32.92	ng	94
34) Hexachlorobutadiene	11.41	225	279826	51.02	ng	97
35) Caprolactam	12.02	113	88268	40.81	ng	97
36) 4-Chloro-3-methylphenol	12.34	107	406507	57.00	ng	94
37) 2-Methylnaphthalene	12.73	142	681628	52.83	ng	98
39) 1,2,4,5-Tetrachlorobenzene	13.08	216	481697	52.76	ng	97
40) Hexachlorocyclopentadiene	13.06	237	596055	115.93	ng	95

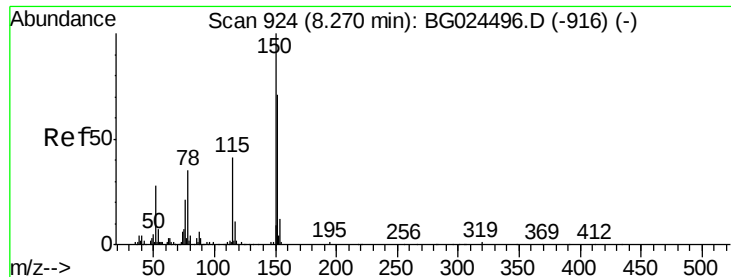
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.32	196	319407	58.20	ng	96
43) 2,4,5-Trichlorophenol	13.40	196	346707	58.44	ng	95
45) 1,1'-Biphenyl	13.72	154	967123	51.49	ng	97
46) 2-Chloronaphthalene	13.77	162	774501	54.15	ng	97
47) 2-Nitroaniline	13.97	65	324421	55.40	ng	99
48) Acenaphthylene	14.61	152	1167886	53.24	ng	96
49) Dimethylphthalate	14.32	163	1463430	76.15	ng	98
50) 2,6-Dinitrotoluene	14.46	165	236819	57.73	ng	# 83
51) Acenaphthene	14.95	154	765918	46.84	ng	99
52) 3-Nitroaniline	14.79	138	196001	46.17	ng	96
53) 2,4-Dinitrophenol	14.99	184	158617	53.36	ng	97
54) Dibenzofuran	15.28	168	1248181	55.21	ng	98
55) 4-Nitrophenol	15.08	139	422860	114.33	ng	91
56) 2,4-Dinitrotoluene	15.24	165	362764	60.85	ng	# 99
57) Fluorene	15.92	166	1005239	53.62	ng	98
58) 2,3,4,6-Tetrachlorophenol	15.41	232	350311	56.95	ng	90
59) Diethylphthalate	15.68	149	1065814	52.90	ng	99
60) 4-Chlorophenyl-phenylether	15.91	204	562610	53.48	ng	96
61) 4-Nitroaniline	15.95	138	263449	56.81	ng	94
62) Azobenzene	16.20	77	1102011	54.84	ng	97
64) 4,6-Dinitro-2-methylphenol	16.00	198	213840	47.87	ng	99
65) n-Nitrosodiphenylamine	16.12	169	956669	53.97	ng	99
66) 4-Bromophenyl-phenylether	16.80	248	426223	54.15	ng	99
67) Hexachlorobenzene	16.92	284	476812	54.82	ng	90
68) Atrazine	17.06	200	435352	57.26	ng	96
69) Pentachlorophenol	17.27	266	626578	109.17	ng	96
70) Phenanthrene	17.67	178	1746901	52.86	ng	98
71) Anthracene	17.76	178	1784481	53.52	ng	99
72) Carbazole	18.03	167	1642219	54.00	ng	97
73) Di-n-butylphthalate	18.55	149	1854021	52.88	ng	97
74) Fluoranthene	19.66	202	2278378	54.53	ng	98
76) Benzidine	19.84	184	1215844	58.02	ng	99
77) Pyrene	20.02	202	2299322	52.89	ng	98
79) Butylbenzylphthalate	20.88	149	999202	55.13	ng	98
80) Benzo(a)anthracene	21.90	228	2612541	53.47	ng	99
81) 3,3'-Dichlorobenzidine	21.81	252	671577	34.07	ng	100
82) Chrysene	21.97	228	2438839	52.41	ng	99
83) Bis(2-ethylhexyl)phthalate	21.76	149	1409612	54.37	ng	100
84) Di-n-octyl phthalate	23.04	149	2336312	54.30	ng	94
85) Indeno(1,2,3-cd)pyrene	29.31	276	3324052	51.75	ng	99
87) Benzo(b)fluoranthene	24.25	252	2704013	52.76	ng	96
88) Benzo(k)fluoranthene	24.33	252	2617469	52.88	ng	99
89) Benzo(a)pyrene	25.19	252	2664240	53.20	ng	98
90) Dibenzo(a,h)anthracene	29.37	278	2761488	50.24	ng	96
91) Benzo(g,h,i)perylene	30.55	276	2742307	49.94	ng	99

(#) = 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

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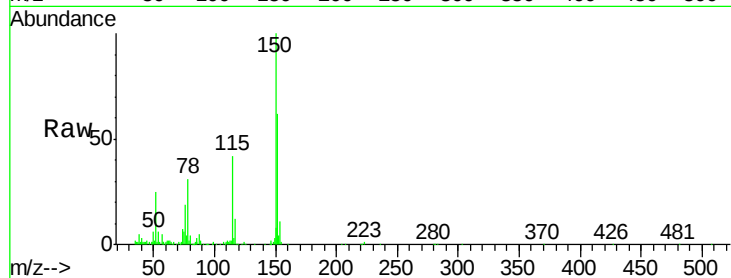
Tgt Ion:152 Resp: 94062

Ion Ratio Lower Upper

152 100

150 161.9 114.0 171.0

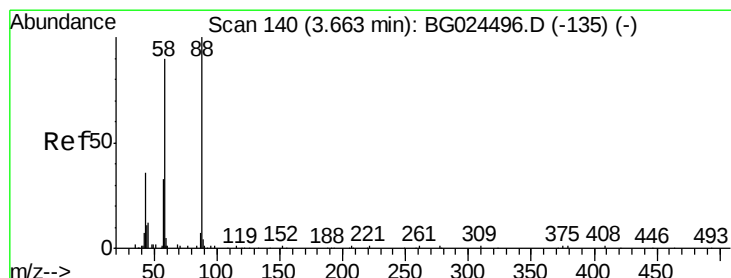
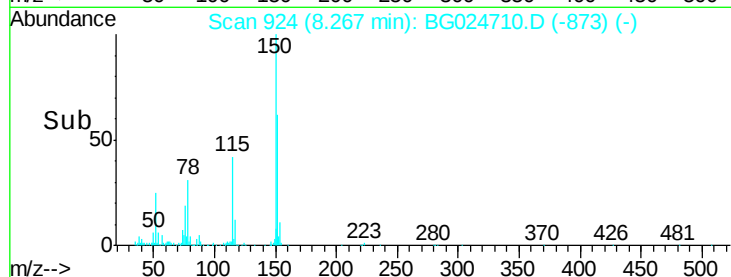
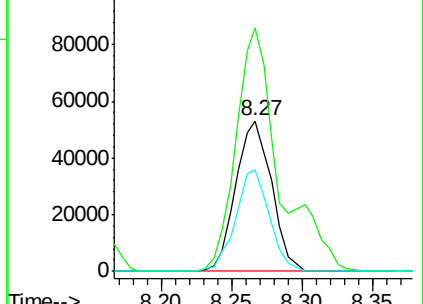
115 67.4 48.1 72.1



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: 37.28 ng

RT: 3.66 min Scan# 140

Delta R.T. -0.00 min

Lab File: BG024710.D

Acq: 5 Nov 2016 13:21

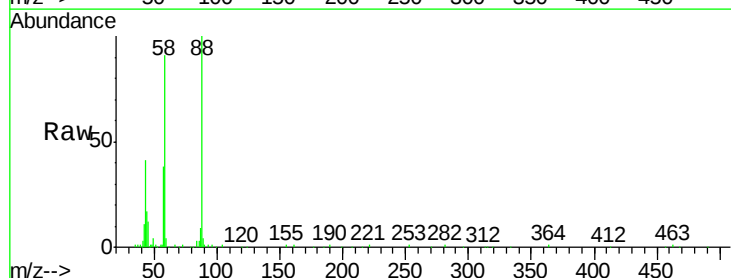
Tgt Ion: 88 Resp: 87416

Ion Ratio Lower Upper

88 100

58 96.3 79.4 119.2

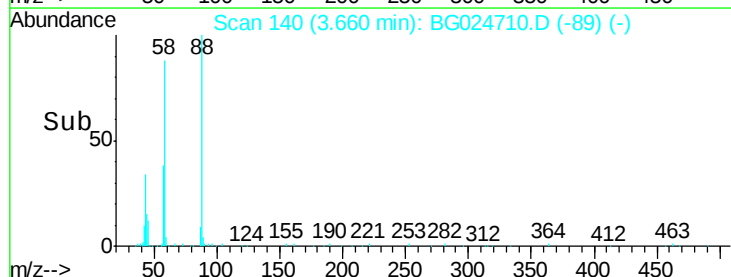
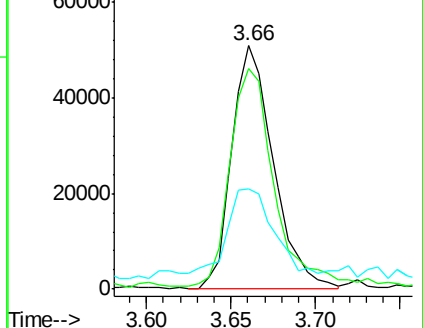
43 37.4 33.8 50.6

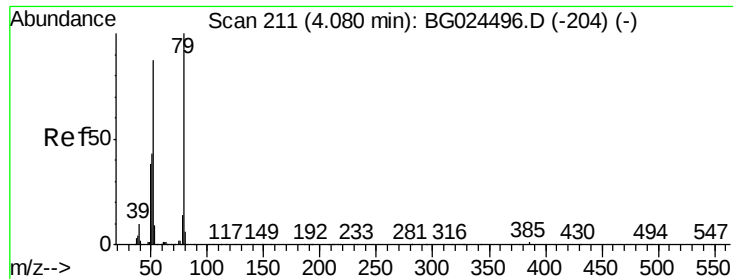


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 40.43 ng

RT: 4.07 min Scan# 210

Delta R.T. -0.01 min

Lab File: BG024710.D

Acq: 5 Nov 2016 13:21

Instrument :

BNA_G

ClientSampleId :

SB-99-14.5-15.0MSD

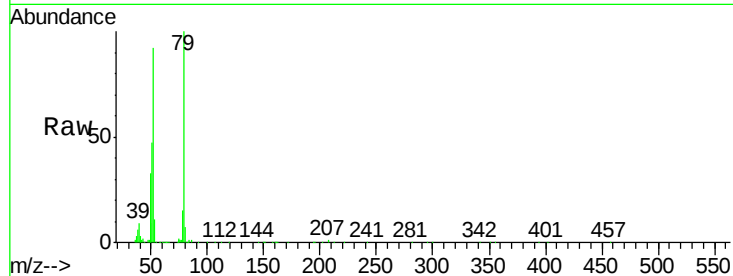
Tgt Ion: 79 Resp: 283824

Ion Ratio Lower Upper

79 100

52 91.5 77.8 116.6

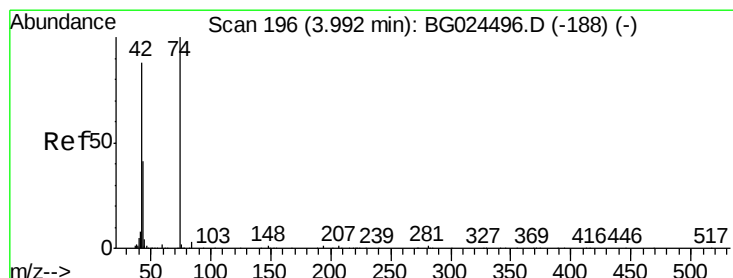
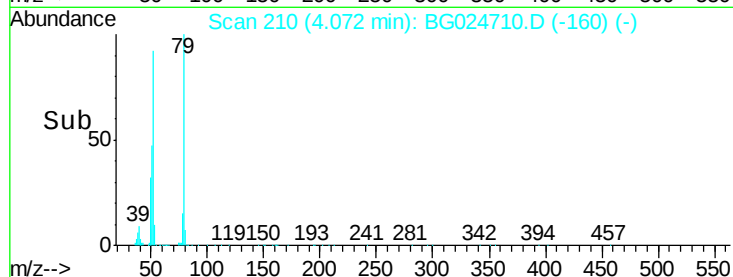
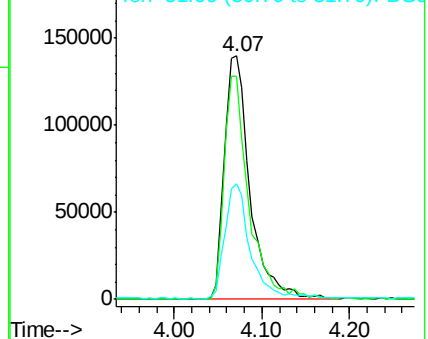
51 47.4 43.2 64.8



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: 47.45 ng

RT: 3.98 min Scan# 195

Delta R.T. -0.01 min

Lab File: BG024710.D

Acq: 5 Nov 2016 13:21

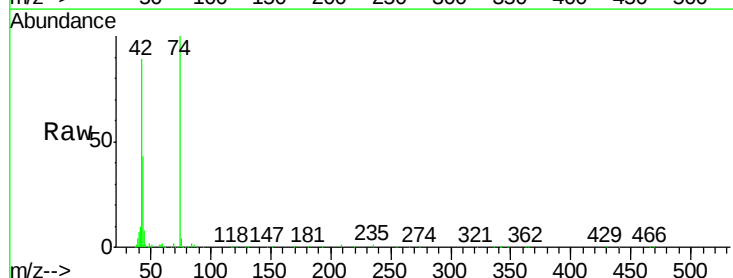
Tgt Ion: 42 Resp: 172447

Ion Ratio Lower Upper

42 100

74 112.9 76.7 115.1

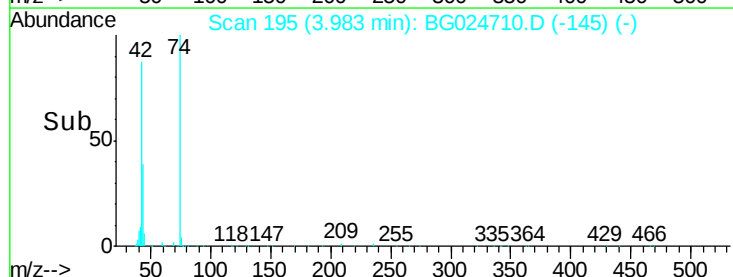
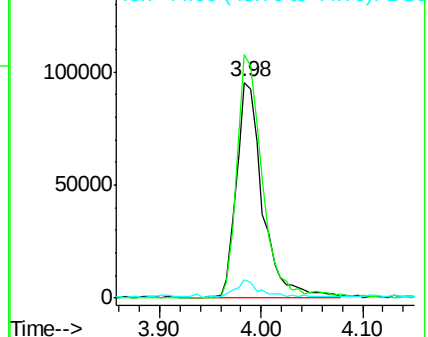
44 8.7 6.1 9.1



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: 157.70 ng

RT: 5.80 min Scan# 504

Delta R.T. 0.00 min

Lab File: BG024710.D

Acq: 5 Nov 2016 13:21

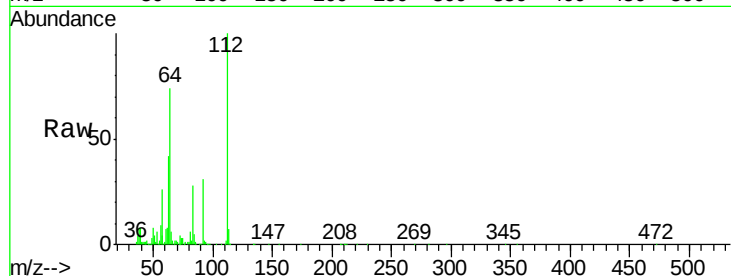
Instrument :

BNA_G

ClientSampleId :

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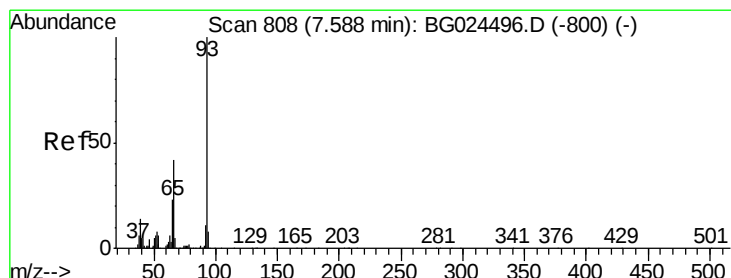
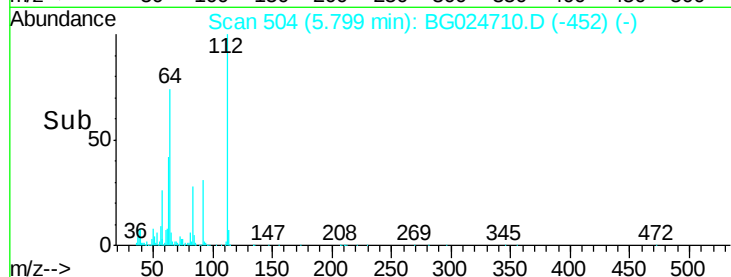
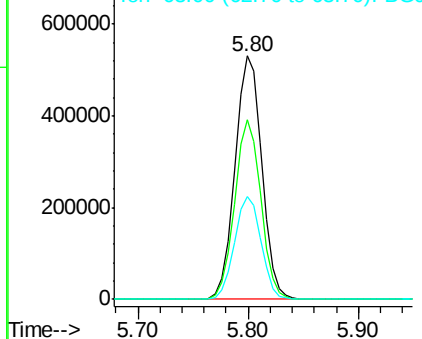
Tgt Ion:	112	Resp:	905051
Ion Ratio	Lower	Upper	
112	100		
64	74.0	61.8	92.6
63	42.2	37.2	55.8



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: 37.80 ng

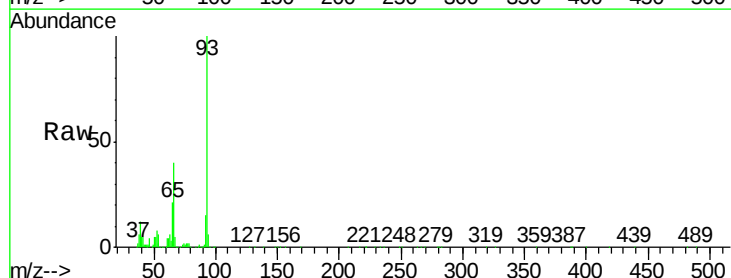
RT: 7.59 min Scan# 809

Delta R.T. 0.00 min

Lab File: BG024710.D

Acq: 5 Nov 2016 13:21

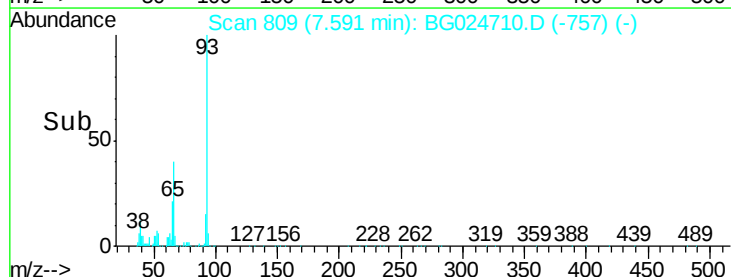
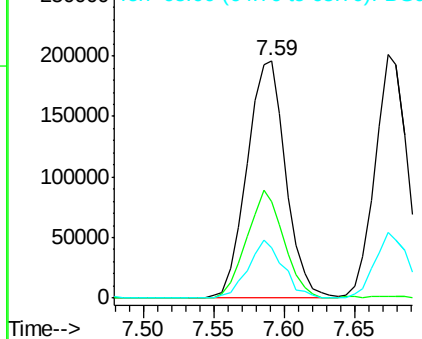
Tgt Ion:	93	Resp:	377005
Ion Ratio	Lower	Upper	
93	100		
66	40.4	35.4	53.2
65	21.0	21.2	31.8#

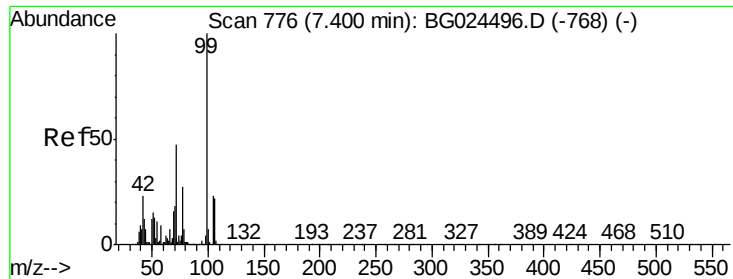


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 164.30 ng

RT: 7.41 min Scan# 778

Delta R.T. 0.01 min

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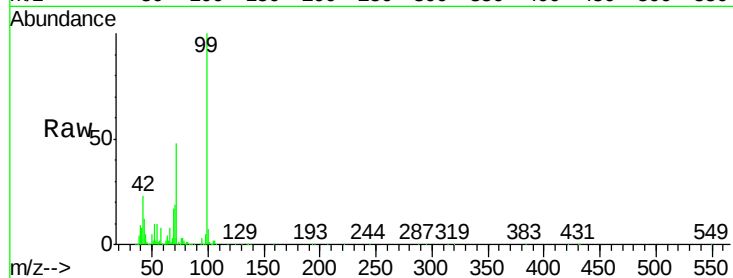
Tgt Ion: 99 Resp: 1293393

Ion Ratio Lower Upper

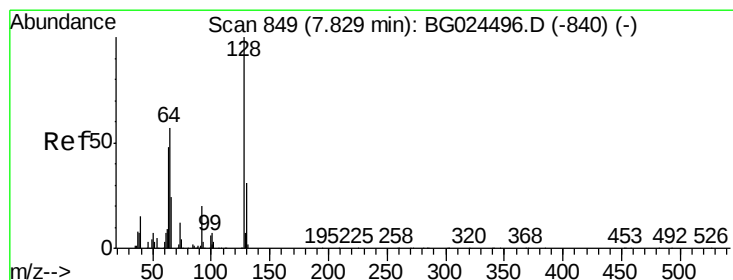
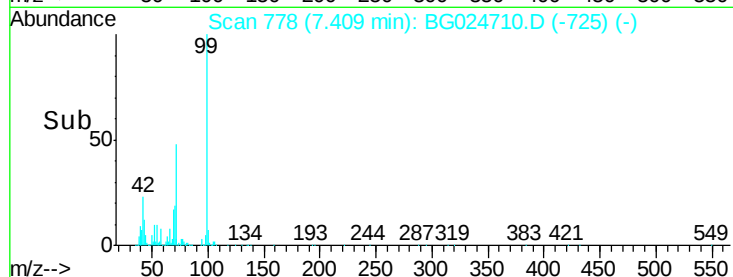
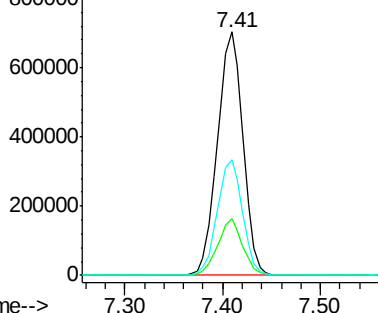
99 100

42 23.1 20.5 30.7

71 47.6 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: 52.66 ng

RT: 7.83 min Scan# 849

Delta R.T. -0.00 min

Lab File: BG024710.D

Acq: 5 Nov 2016 13:21

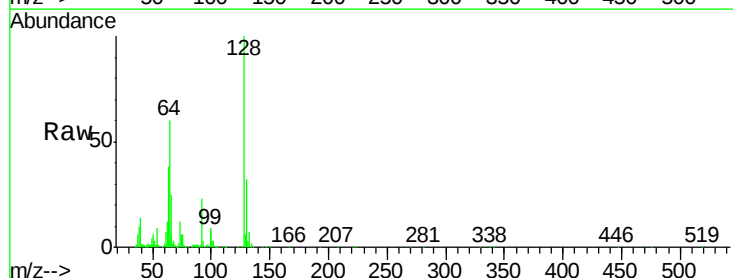
Tgt Ion: 128 Resp: 307280

Ion Ratio Lower Upper

128 100

130 31.9 11.4 51.4

64 60.2 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

