

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110216\
 Data File : BG024632.D
 Acq On : 2 Nov 2016 19:19
 Operator : UM/SJ
 Sample : PB94493BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB94493BS

Quant Time: Nov 03 01:31:24 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	132927	20.00	ng	0.00
21) Naphthalene-d8	11.09	136	513147	20.00	ng	0.00
38) Acenaphthene-d10	14.88	164	381590	20.00	ng	0.00
63) Phenanthrene-d10	17.63	188	830837	20.00	ng	0.00
75) Chrysene-d12	21.92	240	1117113	20.00	ng	0.00
86) Perylene-d12	25.35	264	1179905	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.80	112	1077949	132.91	ng	0.00
7) Phenol-d6	7.41	99	1536424	138.10	ng	0.00
23) Nitrobenzene-d5	9.45	82	1065073	94.50	ng	0.00
41) 2,4,6-Tribromophenol	16.37	330	787922	138.21	ng	0.00
44) 2-Fluorobiphenyl	13.51	172	2137644	93.11	ng	0.00
78) Terphenyl-d14	20.21	244	3265792	87.36	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.67	88	125275	37.81	ng	94
3) Pyridine	4.07	79	397417	40.06	ng	86
4) n-Nitrosodimethylamine	3.99	42	212017	41.28	ng	# 80
6) Aniline	7.59	93	369976	26.25	ng	96
8) 2-Chlorophenol	7.83	128	361019	43.78	ng	95
9) Benzaldehyde	7.40	77	64529	9.39	ng	90
10) Phenol	7.44	94	526877	45.94	ng	94
11) bis(2-Chloroethyl)ether	7.68	93	377279	43.79	ng	90
12) 1,3-Dichlorobenzene	8.15	146	423175	41.45	ng	95
13) 1,4-Dichlorobenzene	8.30	146	428546	42.50	ng	99
14) 1,2-Dichlorobenzene	8.62	146	401336	41.40	ng	99
15) Benzyl Alcohol	8.50	79	429489	41.50	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.80	45	629917	39.41	ng	96
17) 2-Methylphenol	8.70	107	344920	45.39	ng	95
18) Hexachloroethane	9.37	117	168391	43.44	ng	96
19) n-Nitroso-di-n-propylamine	9.07	70	349323	42.61	ng	93
20) 3+4-Methylphenols	9.02	107	469388	46.01	ng	95
22) Acetophenone	9.09	105	593101	45.00	ng	# 92
24) Nitrobenzene	9.49	77	533951	42.58	ng	95
25) Isophorone	10.00	82	924912	44.12	ng	98
26) 2-Nitrophenol	10.21	139	213896	45.96	ng	91
27) 2,4-Dimethylphenol	10.24	122	370345	45.46	ng	98
28) bis(2-Chloroethoxy)methane	10.48	93	534538	49.28	ng	96
29) 2,4-Dichlorophenol	10.73	162	404770	47.33	ng	96
30) 1,2,4-Trichlorobenzene	10.95	180	454442	44.80	ng	94
31) Naphthalene	11.15	128	1084711	42.38	ng	99
32) Benzoic acid	10.36	122	175472	25.86	ng	# 84
33) 4-Chloroaniline	11.25	127	195858	17.62	ng	94
34) Hexachlorobutadiene	11.42	225	351258	44.24	ng	93
35) Caprolactam	12.01	113	93763	29.95	ng	# 88
36) 4-Chloro-3-methylphenol	12.34	107	448675	43.46	ng	96
37) 2-Methylnaphthalene	12.73	142	817484	43.77	ng	97
39) 1,2,4,5-Tetrachlorobenzene	13.09	216	577112	44.84	ng	95
40) Hexachlorocyclopentadiene	13.06	237	745973	102.92	ng	96

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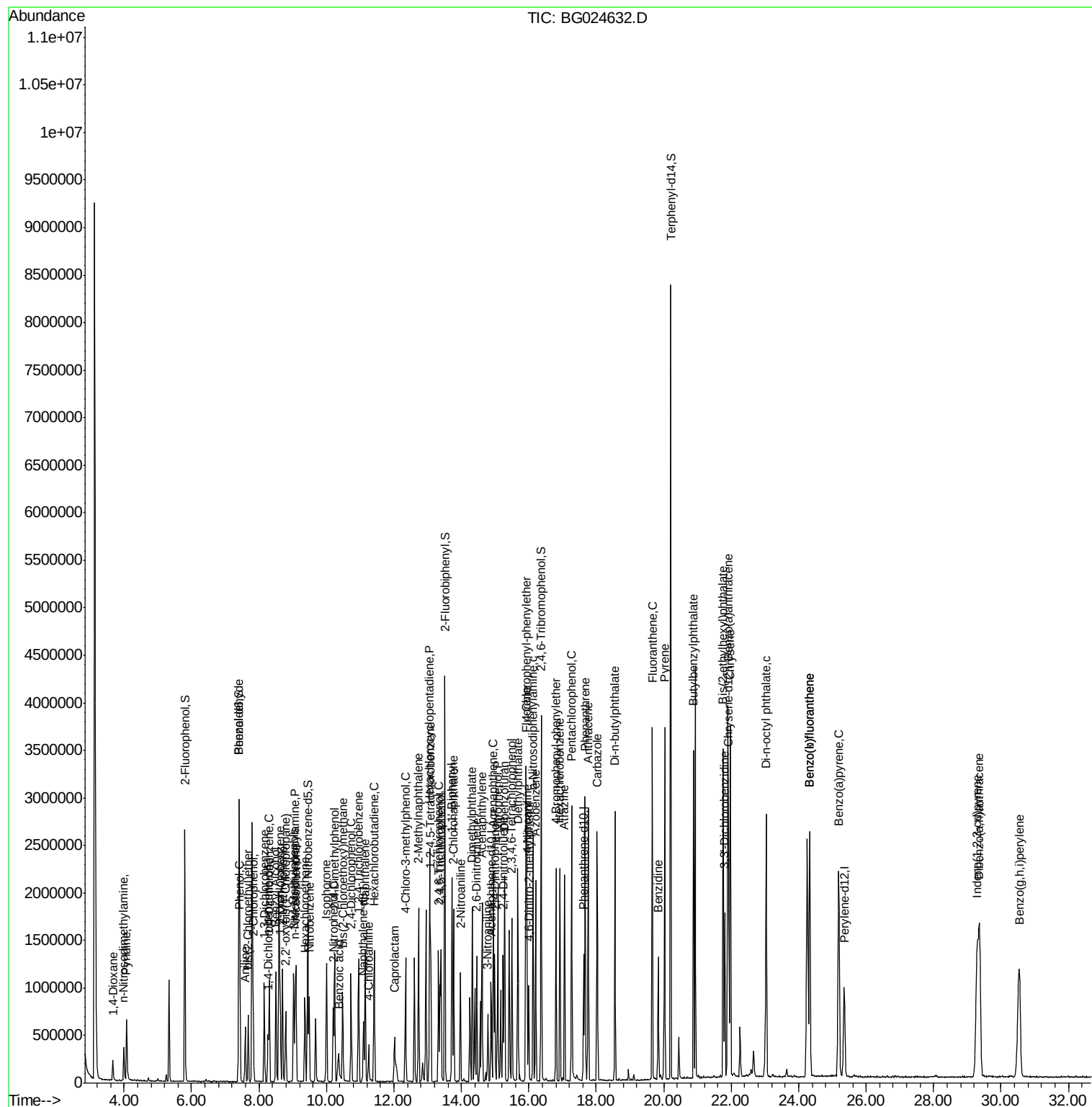
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.32	196	364905	47.17	ng	96
43) 2,4,5-Trichlorophenol	13.40	196	374434	44.77	ng	95
45) 1,1'-Biphenyl	13.72	154	1128422	42.61	ng	96
46) 2-Chloronaphthalene	13.77	162	909223	45.09	ng	97
47) 2-Nitroaniline	13.97	65	359745	43.57	ng	94
48) Acenaphthylene	14.61	152	1333780	43.13	ng	98
49) Dimethylphthalate	14.33	163	1177988	43.48	ng	98
50) 2,6-Dinitrotoluene	14.46	165	267578	46.27	ng	# 83
51) Acenaphthene	14.95	154	879699	38.16	ng	98
52) 3-Nitroaniline	14.79	138	154273	25.78	ng	83
53) 2,4-Dinitrophenol	14.99	184	290486	69.31	ng	98
54) Dibenzofuran	15.28	168	1390575	43.63	ng	98
55) 4-Nitrophenol	15.08	139	434220	83.28	ng	# 83
56) 2,4-Dinitrotoluene	15.24	165	383928	45.68	ng	# 89
57) Fluorene	15.93	166	1143019	43.25	ng	96
58) 2,3,4,6-Tetrachlorophenol	15.50	232	395120	45.56	ng	91
59) Diethylphthalate	15.68	149	1189826	41.89	ng	98
60) 4-Chlorophenyl-phenylether	15.91	204	660837	44.56	ng	97
61) 4-Nitroaniline	15.95	138	258568	39.55	ng	97
62) Azobenzene	16.20	77	1246764	44.01	ng	95
64) 4,6-Dinitro-2-methylphenol	16.00	198	240140	41.95	ng	96
65) n-Nitrosodiphenylamine	16.13	169	1032801	45.47	ng	98
66) 4-Bromophenyl-phenylether	16.80	248	469392	46.54	ng	96
67) Hexachlorobenzene	16.92	284	517150	46.40	ng	# 88
68) Atrazine	17.06	200	462020	47.42	ng	98
69) Pentachlorophenol	17.27	266	606358	82.45	ng	95
70) Phenanthrene	17.67	178	1862581	43.98	ng	99
71) Anthracene	17.76	178	1872654	43.83	ng	97
72) Carbazole	18.03	167	1689683	43.36	ng	98
73) Di-n-butylphthalate	18.55	149	1920794	42.75	ng	98
74) Fluoranthene	19.66	202	2304410	43.05	ng	98
76) Benzidine	19.84	184	739852	28.11	ng	99
77) Pyrene	20.02	202	2345017	42.94	ng	98
79) Butylbenzylphthalate	20.88	149	1017843	44.71	ng	98
80) Benzo(a)anthracene	21.90	228	2650480	43.19	ng	98
81) 3,3'-Dichlorobenzidine	21.81	252	689740	27.86	ng	98
82) Chrysene	21.97	228	2481939	42.46	ng	98
83) Bis(2-ethylhexyl)phthalate	21.76	149	1413137	43.39	ng	99
84) Di-n-octyl phthalate	23.04	149	2368023	43.81	ng	94
85) Indeno(1,2,3-cd)pyrene	29.29	276	3464810	42.95	ng	# 96
87) Benzo(b)fluoranthene	24.32	252	2691115	42.20	ng	97
88) Benzo(k)fluoranthene	24.32	252	2691115	43.69	ng	99
89) Benzo(a)pyrene	25.19	252	2713730	43.55	ng	99
90) Dibenzo(a,h)anthracene	29.36	278	2904473	42.46	ng	97
91) Benzo(g,h,i)perylene	30.55	276	2854156	41.77	ng	97

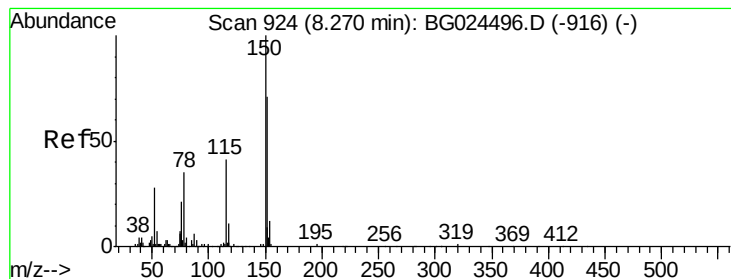
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.27 min Scan# 925

Delta R.T. 0.00 min

Lab File: BG024632.D

Acq: 2 Nov 2016 19:19

Instrument :

BNA_G

ClientSampleId :

PB94493BS

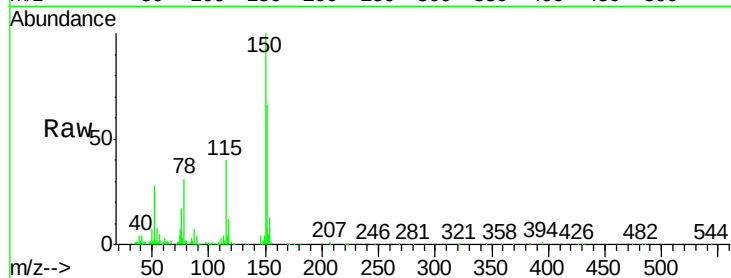
Tgt Ion:152 Resp: 132927

Ion Ratio Lower Upper

152 100

150 152.2 114.0 171.0

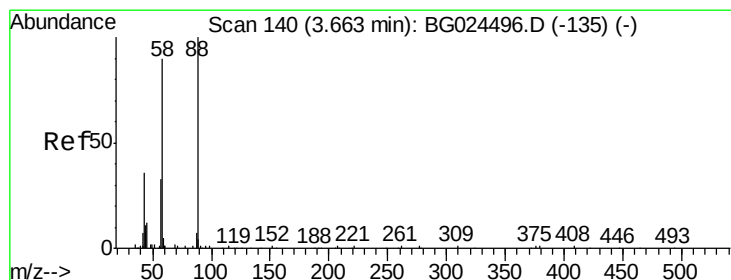
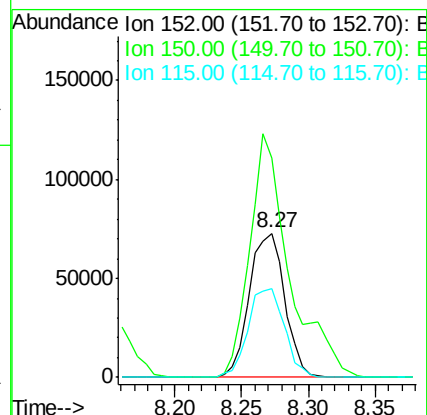
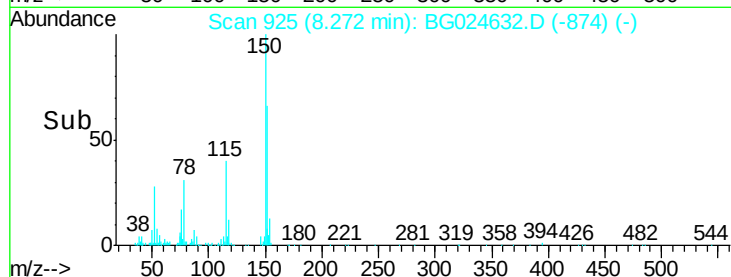
115 61.6 48.1 72.1



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: 37.81 ng

RT: 3.67 min Scan# 141

Delta R.T. 0.00 min

Lab File: BG024632.D

Acq: 2 Nov 2016 19:19

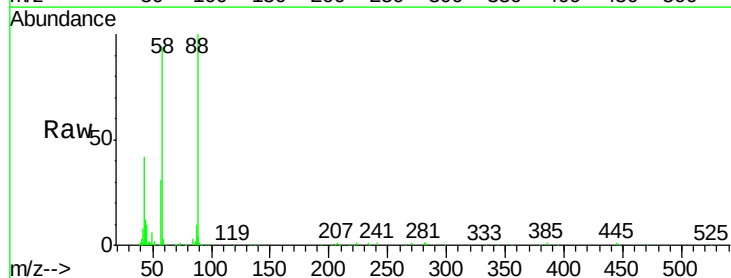
Tgt Ion: 88 Resp: 125275

Ion Ratio Lower Upper

88 100

58 91.5 79.4 119.2

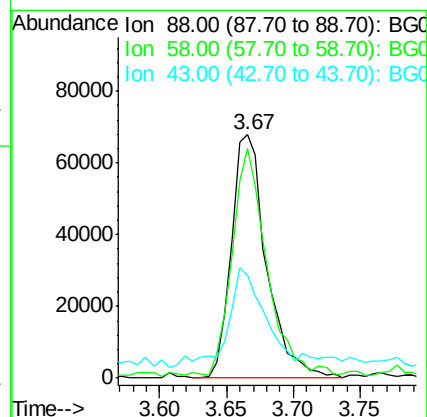
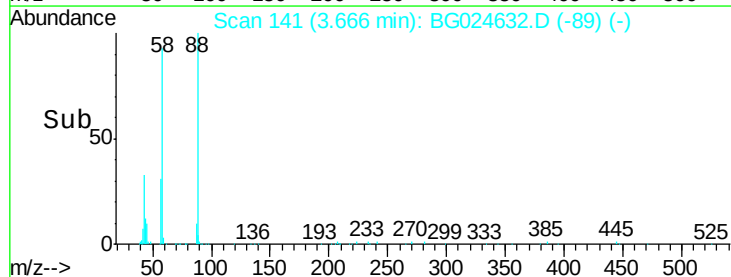
43 42.3 33.8 50.6

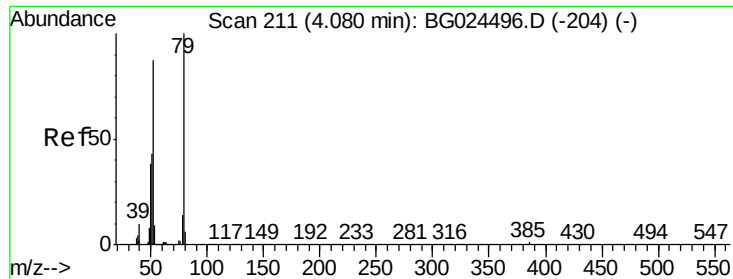


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 40.06 ng

RT: 4.07 min Scan# 210

Delta R.T. -0.01 min

Lab File: BG024632.D

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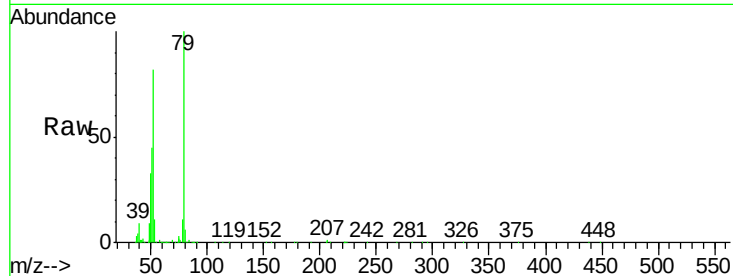
Tgt Ion: 79 Resp: 397417

Ion Ratio Lower Upper

79 100

52 82.2 77.8 116.6

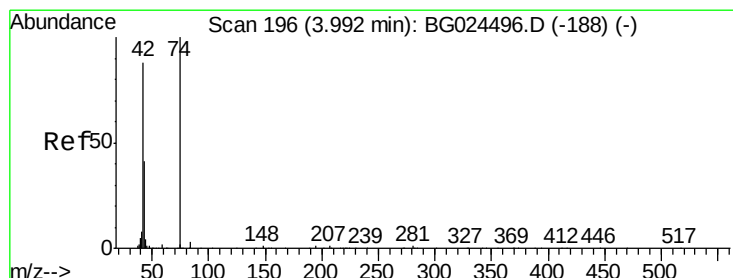
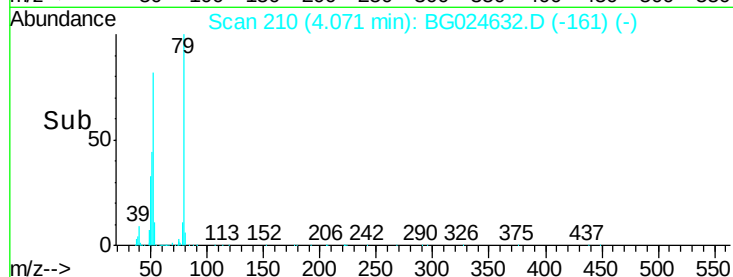
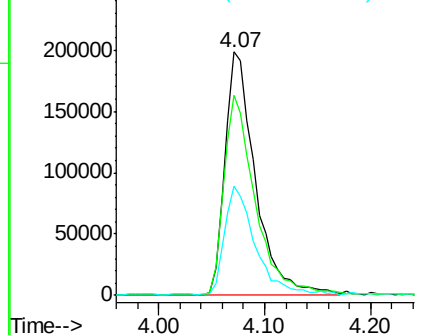
51 44.6 43.2 64.8



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: 41.28 ng

RT: 3.99 min Scan# 196

Delta R.T. -0.00 min

Lab File: BG024632.D

Acq: 2 Nov 2016 19:19

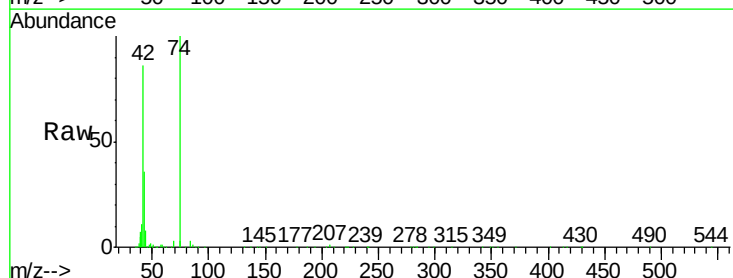
Tgt Ion: 42 Resp: 212017

Ion Ratio Lower Upper

42 100

74 116.7 76.7 115.1#

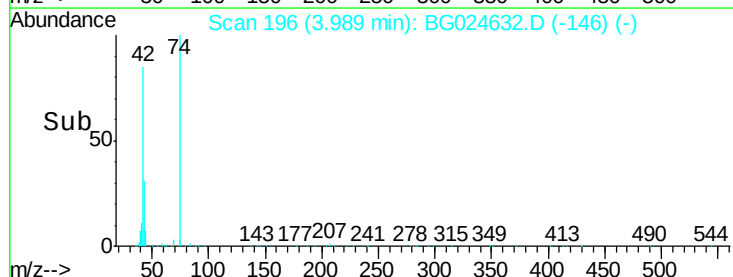
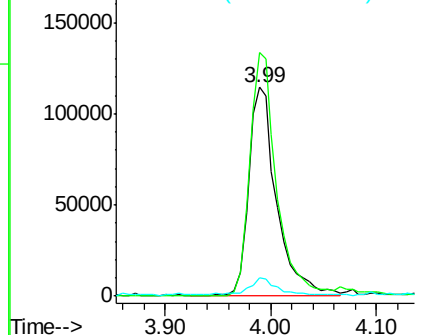
44 8.8 6.1 9.1

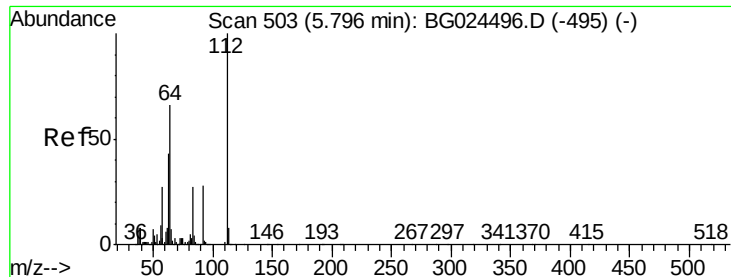


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 132.91 ng

RT: 5.80 min Scan# 505

Delta R.T. 0.01 min

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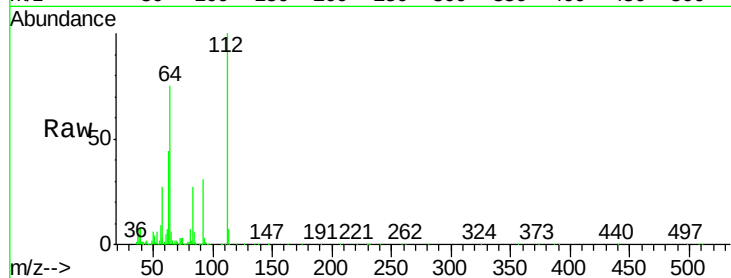
Tgt Ion:112 Resp: 1077949

Ion Ratio Lower Upper

112 100

64 74.7 61.8 92.6

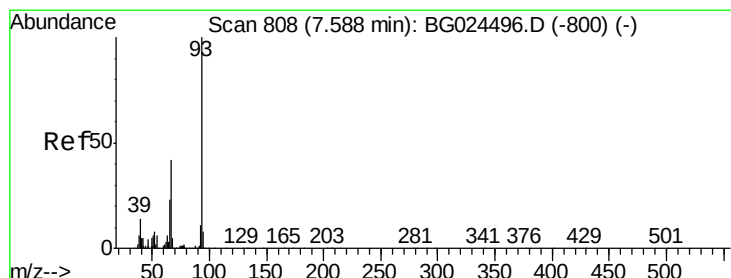
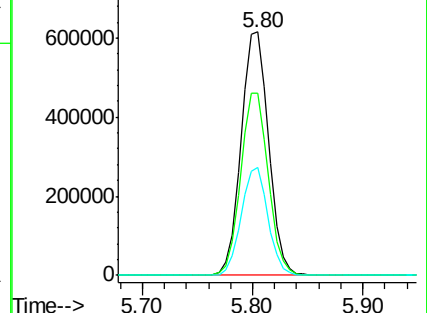
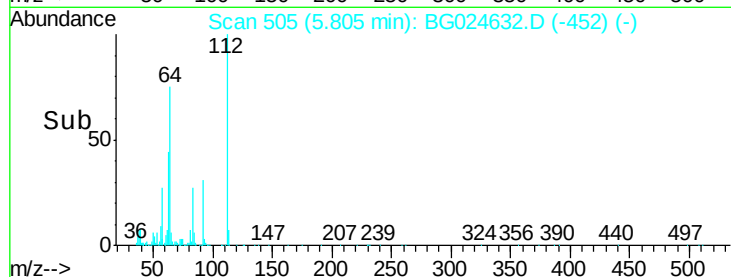
63 44.2 37.2 55.8



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: 26.25 ng

RT: 7.59 min Scan# 809

Delta R.T. 0.00 min

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Acq: 2 Nov 2016 19:19

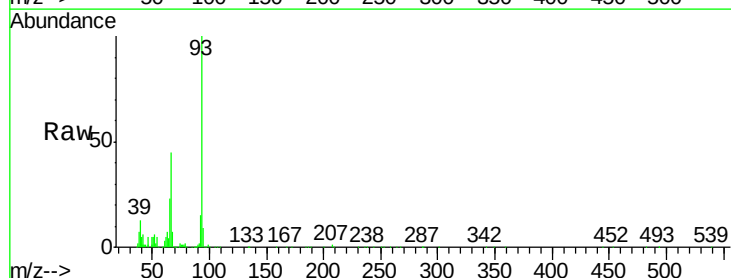
Tgt Ion: 93 Resp: 369976

Ion Ratio Lower Upper

93 100

66 45.2 35.4 53.2

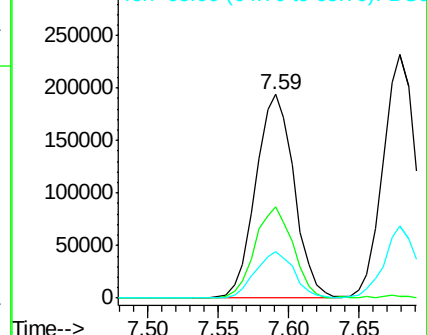
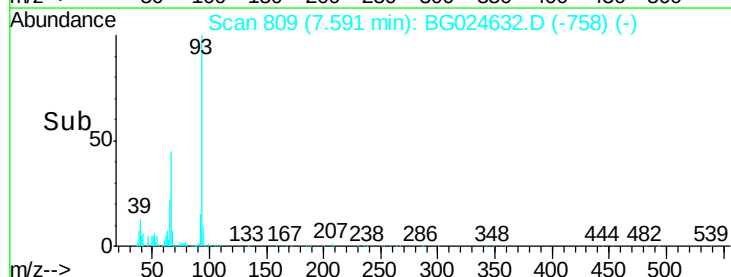
65 22.6 21.2 31.8

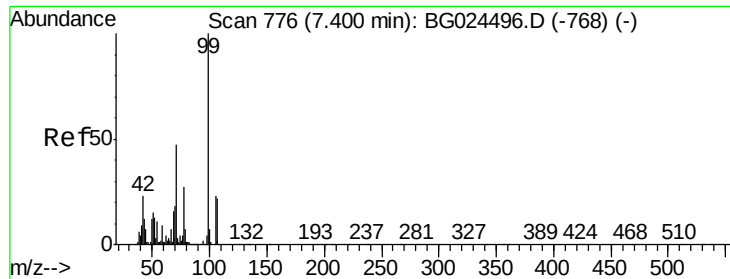


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 138.10 ng

RT: 7.41 min Scan# 778

Delta R.T. 0.01 min

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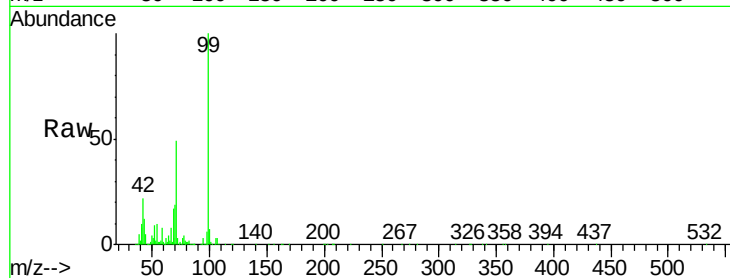
Tgt Ion: 99 Resp: 1536424

Ion Ratio Lower Upper

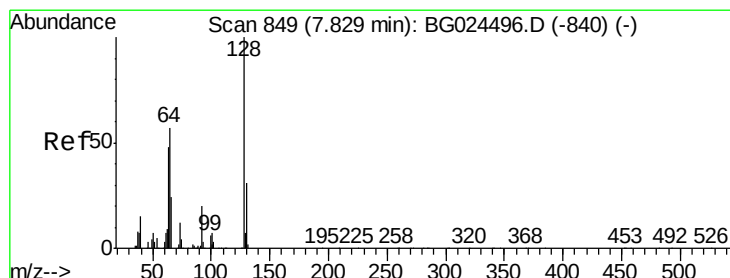
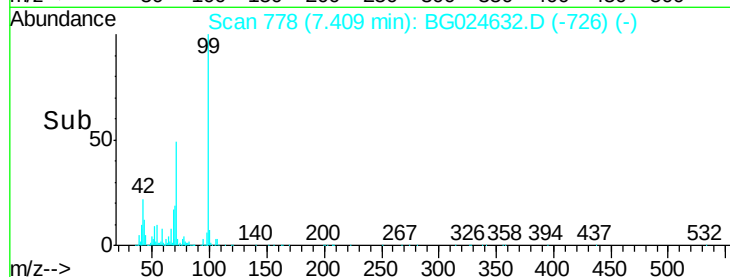
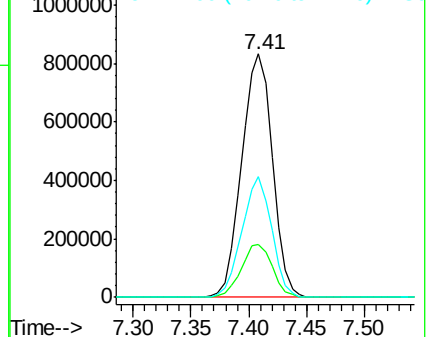
99 100

42 22.0 20.5 30.7

71 49.5 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: 43.78 ng

RT: 7.83 min Scan# 849

Delta R.T. -0.00 min

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Acq: 2 Nov 2016 19:19

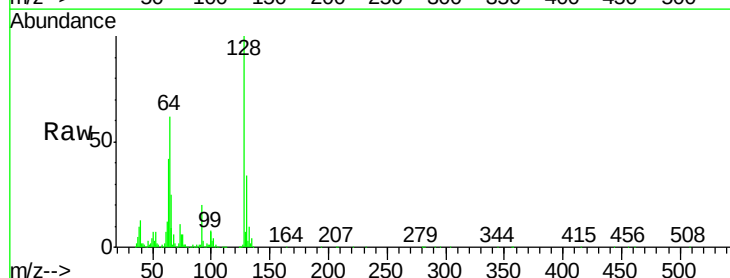
Tgt Ion: 128 Resp: 361019

Ion Ratio Lower Upper

128 100

130 34.3 11.4 51.4

64 62.3 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

