

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080116\
 Data File : BG023391.D
 Acq On : 1 Aug 2016 21:18
 Operator : UM/SJ
 Sample : PB92598BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB92598BS

Quant Time: Aug 02 04:43:34 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	8.12	152	94033	20.00	ng	0.00
21) Naphthalene-d8	10.96	136	518309	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	426231	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	1200698	20.00	ng	0.00
75) Chrysene-d12	21.86	240	1123213	20.00	ng	0.00
86) Perylene-d12	25.24	264	1087821	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.66	112	918777	164.47	ng	0.00
7) Phenol-d6	7.28	99	1434188	164.83	ng	0.00
23) Nitrobenzene-d5	9.30	82	889437	85.31	ng	0.00
41) 2,4,6-Tribromophenol	16.28	330	857886	137.61	ng	0.00
44) 2-Fluorobiphenyl	13.40	172	2056701	81.39	ng	0.00
78) Terphenyl-d14	20.15	244	3392512	97.29	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	73946	31.07	ng	# 85
3) Pyridine	3.92	79	263548	33.70	ng	# 95
4) n-Nitrosodimethylamine	3.84	42	118811	40.97	ng	# 75
6) Aniline	7.44	93	459246	36.53	ng	95
8) 2-Chlorophenol	7.68	128	357365	55.68	ng	97
9) Benzaldehyde	7.25	77	203357	41.45	ng	91
10) Phenol	7.31	94	546470	58.71	ng	# 79
11) bis(2-Chloroethyl)ether	7.53	93	332997	44.85	ng	96
12) 1,3-Dichlorobenzene	8.01	146	304931	41.50	ng	93
13) 1,4-Dichlorobenzene	8.16	146	313944	41.74	ng	93
14) 1,2-Dichlorobenzene	8.48	146	299005	40.52	ng	95
15) Benzyl Alcohol	8.36	79	400190	60.70	ng	92
16) 2,2'-oxybis(1-Chloropropan	8.65	45	474562	43.46	ng	91
17) 2-Methylphenol	8.57	107	367544	58.90	ng	# 88
18) Hexachloroethane	9.21	117	117717	41.58	ng	95
19) n-Nitroso-di-n-propylamine	8.93	70	362724	48.47	ng	95
20) 3+4-Methylphenols	8.90	107	524148	59.58	ng	91
22) Acetophenone	8.95	105	523748	36.91	ng	# 90
24) Nitrobenzene	9.34	77	510109	44.18	ng	# 90
25) Isophorone	9.86	82	992022	45.68	ng	# 95
26) 2-Nitrophenol	10.06	139	216371	44.41	ng	# 72
27) 2,4-Dimethylphenol	10.11	122	423089	51.00	ng	83
28) bis(2-Chloroethoxy)methane	10.34	93	570073	43.67	ng	98
29) 2,4-Dichlorophenol	10.60	162	440574	52.81	ng	98
30) 1,2,4-Trichlorobenzene	10.81	180	361337	40.16	ng	92
31) Naphthalene	11.00	128	1130370	42.83	ng	99
32) Benzoic acid	10.24	122	233914	32.96	ng	92
33) 4-Chloroaniline	11.12	127	187666	14.87	ng	# 89
34) Hexachlorobutadiene	11.28	225	222611	37.62	ng	93
35) Caprolactam	11.90	113	105902	30.17	ng	90
36) 4-Chloro-3-methylphenol	12.24	107	570939	52.09	ng	90
37) 2-Methylnaphthalene	12.82	142	883447	44.03	ng	88
39) 1,2,4,5-Tetrachlorobenzene	12.98	216	443128	28.67	ng	99
40) Hexachlorocyclopentadiene	12.95	237	582296	74.71	ng	98

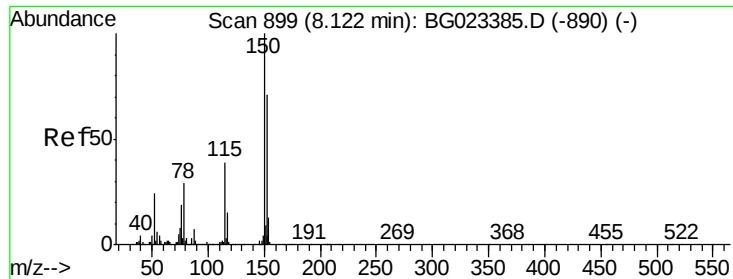
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.21	196	402488	43.71	ng	97
43) 2,4,5-Trichlorophenol	13.29	196	436302	46.03	ng	97
45) 1,1'-Biphenyl	13.61	154	1167549	35.83	ng	95
46) 2-Chloronaphthalene	13.66	162	1024289	40.64	ng	97
47) 2-Nitroaniline	13.86	65	473088	45.20	ng	91
48) Acenaphthylene	14.50	152	1692148	42.47	ng	97
49) Dimethylphthalate	14.23	163	1503322	45.97	ng	98
50) 2,6-Dinitrotoluene	14.36	165	362622	46.82	ng	# 81
51) Acenaphthene	14.85	154	1087911	43.10	ng	99
52) 3-Nitroaniline	14.69	138	232003	26.57	ng	# 81
53) 2,4-Dinitrophenol	14.90	184	493704	99.45	ng	87
54) Dibenzofuran	15.19	168	1718321	46.89	ng	96
55) 4-Nitrophenol	15.01	139	672929	98.11	ng	# 81
56) 2,4-Dinitrotoluene	15.15	165	556551	51.20	ng	# 90
57) Fluorene	15.84	166	1466788	45.87	ng	98
58) 2,3,4,6-Tetrachlorophenol	15.41	232	458476	52.71	ng	93
59) Diethylphthalate	15.59	149	1609350	48.48	ng	97
60) 4-Chlorophenyl-phenylether	15.82	204	757511	44.76	ng	98
61) 4-Nitroaniline	15.87	138	435085	46.79	ng	# 64
62) Azobenzene	16.12	77	1734774	51.55	ng	89
64) 4,6-Dinitro-2-methylphenol	15.91	198	367804	45.05	ng	95
65) n-Nitrosodiphenylamine	16.04	169	1422910	40.40	ng	95
66) 4-Bromophenyl-phenylether	16.72	248	564741	40.35	ng	96
67) Hexachlorobenzene	16.84	284	611584	39.95	ng	98
68) Atrazine	16.99	200	636449	47.06	ng	95
69) Pentachlorophenol	17.19	266	782203	87.63	ng	96
70) Phenanthrene	17.68	178	2547062	41.81	ng	93
71) Anthracene	17.68	178	2547062	41.57	ng	93
72) Carbazole	17.95	167	2508015	46.61	ng	94
73) Di-n-butylphthalate	18.49	149	2777070	52.11	ng	# 94
74) Fluoranthene	19.60	202	3014256	54.41	ng	86
76) Benzidine	19.78	184	1644326	52.66	ng	98
77) Pyrene	19.96	202	3060237	48.87	ng	# 90
79) Butylbenzylphthalate	20.84	149	1305653	48.27	ng	97
80) Benzo(a)anthracene	21.83	228	2613737	42.16	ng	99
81) 3,3'-Dichlorobenzidine	21.75	252	581899	22.88	ng	# 97
82) Chrysene	21.91	228	2442456	41.40	ng	94
83) Bis(2-ethylhexyl)phthalate	21.72	149	1574181	42.50	ng	# 98
84) Di-n-octyl phthalate	22.98	149	2577779	40.78	ng	99
85) Indeno(1,2,3-cd)pyrene	29.11	276	3230480	43.83	ng	# 100
87) Benzo(b)fluoranthene	24.16	252	2714082	44.34	ng	# 96
88) Benzo(k)fluoranthene	24.23	252	2534353	43.11	ng	# 96
89) Benzo(a)pyrene	25.08	252	2606802	44.78	ng	# 93
90) Dibenzo(a,h)anthracene	29.17	278	2658699	44.71	ng	# 91
91) Benzo(g,h,i)perylene	30.32	276	2661391	44.45	ng	# 89

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.12 min Scan# 900

Delta R.T. 0.00 min

Lab File: BG023391.D

Acq: 1 Aug 2016 21:18

Instrument :

BNA_G

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PB92598BS

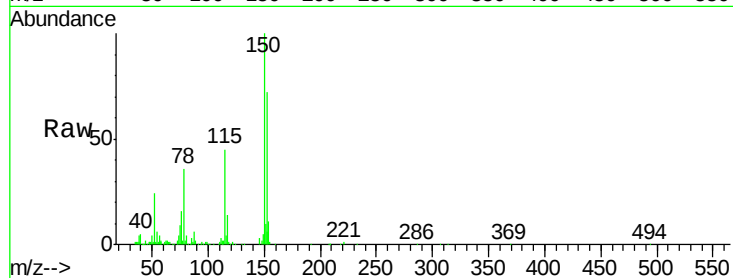
Tgt Ion:152 Resp: 94033

Ion Ratio Lower Upper

152 100

150 139.9 144.7 217.1#

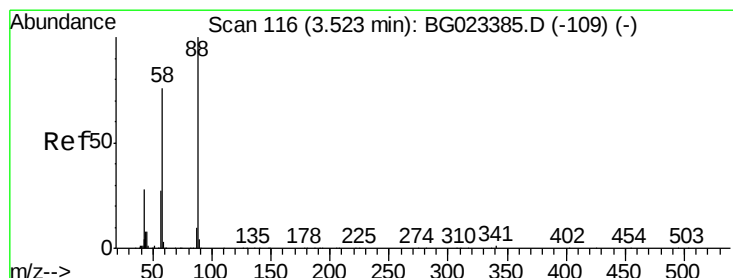
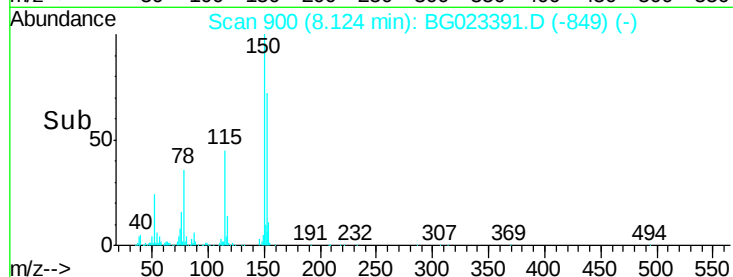
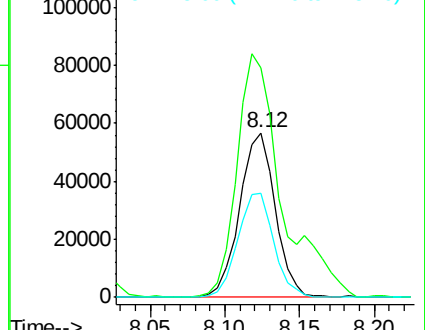
115 63.2 64.0 96.0#



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: 31.07 ng

RT: 3.52 min Scan# 116

Delta R.T. -0.00 min

Lab File: BG023391.D

Acq: 1 Aug 2016 21:18

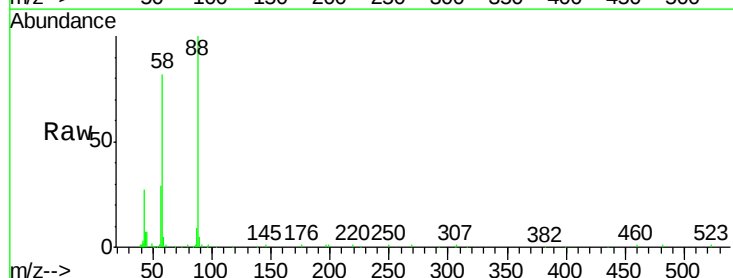
Tgt Ion: 88 Resp: 73946

Ion Ratio Lower Upper

88 100

58 84.1 60.4 90.6

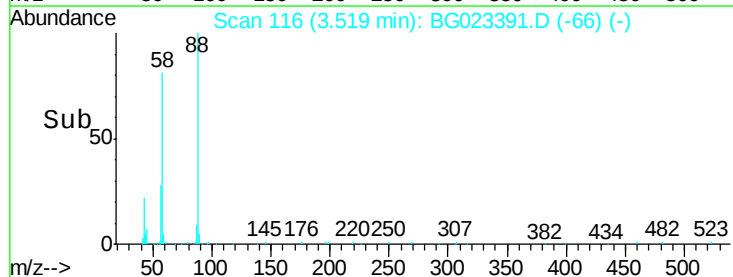
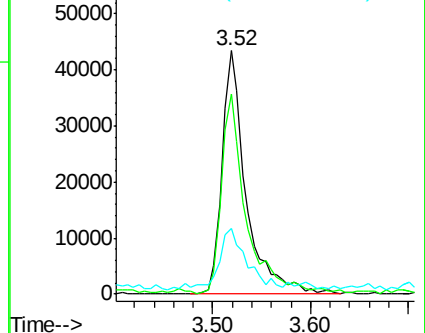
43 24.7 31.1 46.7#

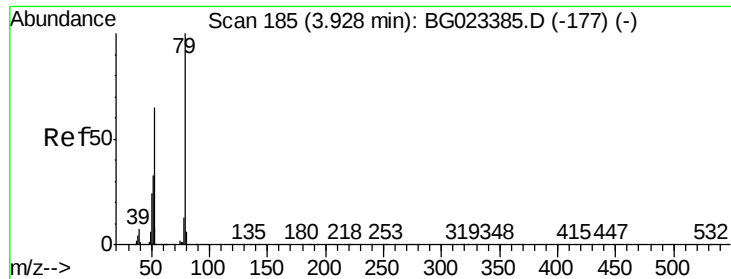


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 33.70 ng

RT: 3.92 min Scan# 185

Delta R.T. -0.00 min

Lab File: BG023391.D

Acq: 1 Aug 2016 21:18

Instrument :

BNA_G

ClientSampleId :

PB92598BS

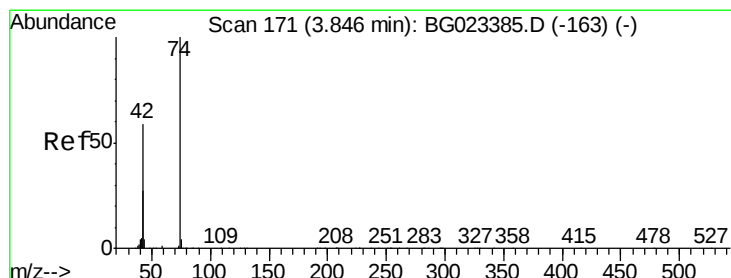
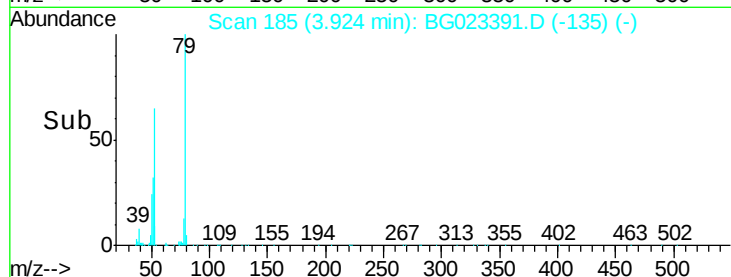
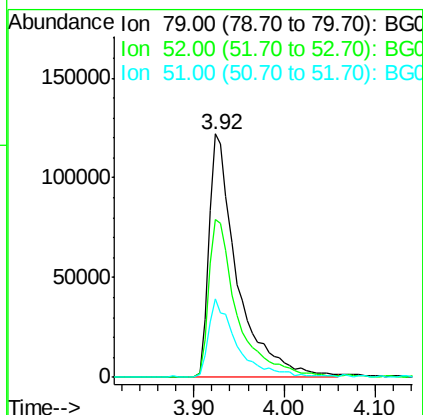
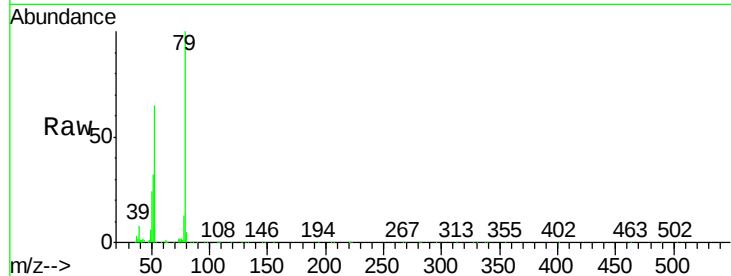
Tgt Ion: 79 Resp: 263548

Ion Ratio Lower Upper

79 100

52 64.6 51.8 77.8

51 32.4 32.7 49.1#



#4

n-Nitrosodimethylamine

Concen: 40.97 ng

RT: 3.84 min Scan# 171

Delta R.T. -0.00 min

Lab File: BG023391.D

Acq: 1 Aug 2016 21:18

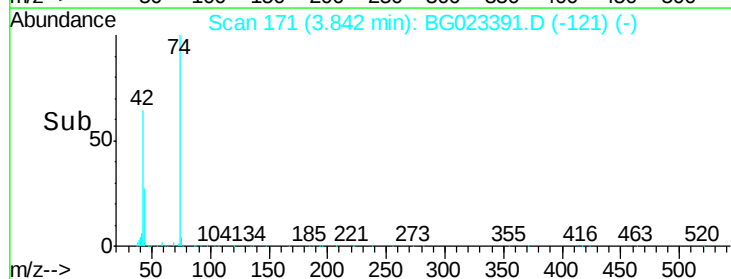
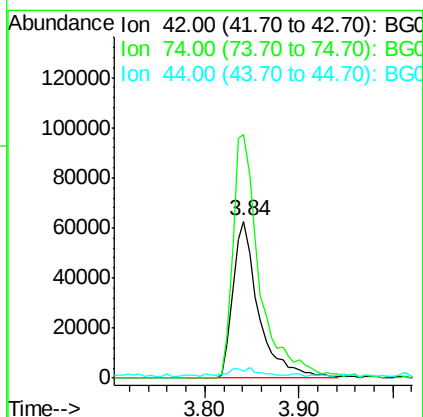
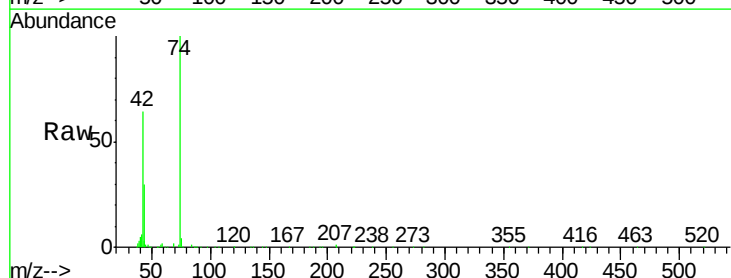
Tgt Ion: 42 Resp: 118811

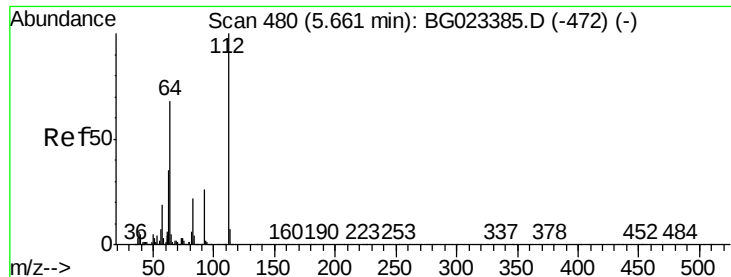
Ion Ratio Lower Upper

42 100

74 155.4 100.6 150.8#

44 4.2 4.5 6.7#





#5

2-Fluorophenol

Concen: 164.47 ng

RT: 5.66 min Scan# 481

Delta R.T. 0.00 min

Lab File: BG023391.D

Acq: 1 Aug 2016 21:18

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BNA_G

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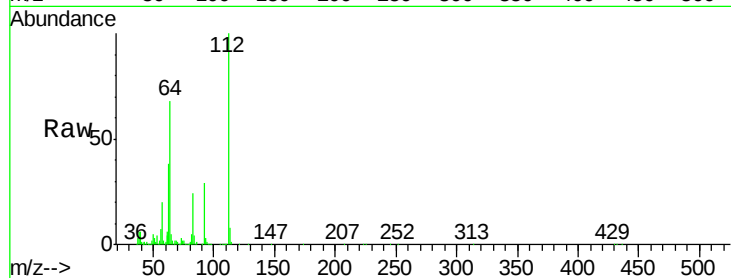
Tgt Ion:112 Resp: 918777

Ion Ratio Lower Upper

112 100

64 68.2 59.0 88.4

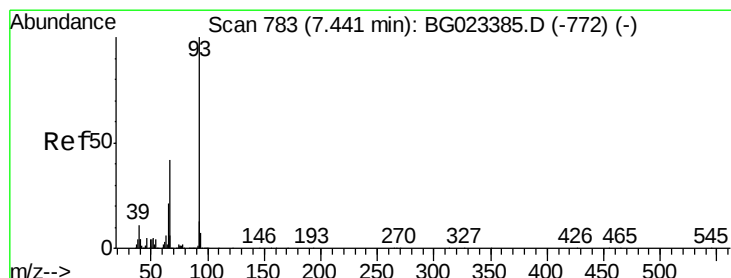
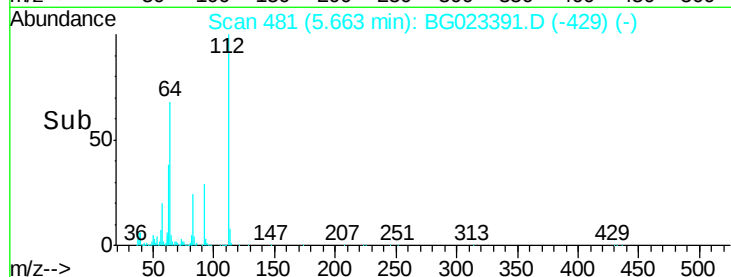
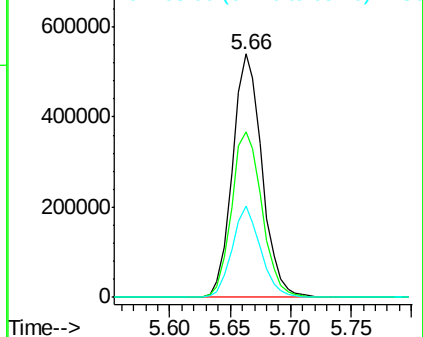
63 37.7 37.8 56.8#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 36.53 ng

RT: 7.44 min Scan# 783

Delta R.T. -0.00 min

Lab File: BG023391.D

Acq: 1 Aug 2016 21:18

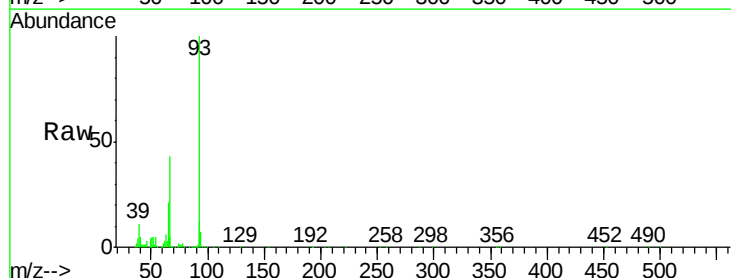
Tgt Ion: 93 Resp: 459246

Ion Ratio Lower Upper

93 100

66 42.8 37.5 56.3

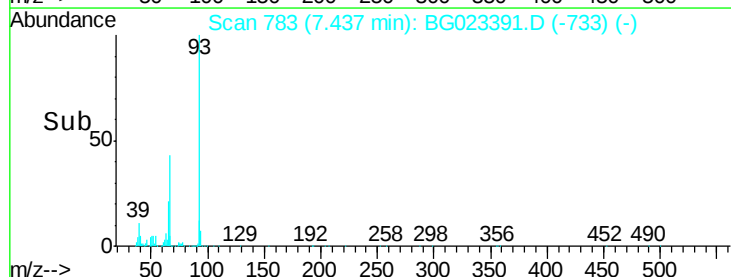
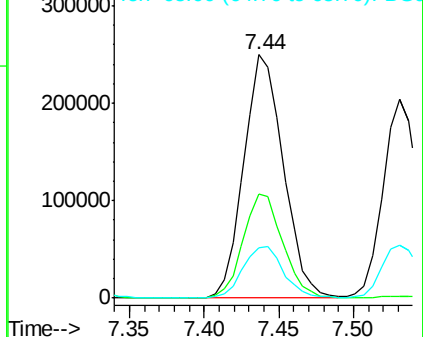
65 20.9 17.9 26.9

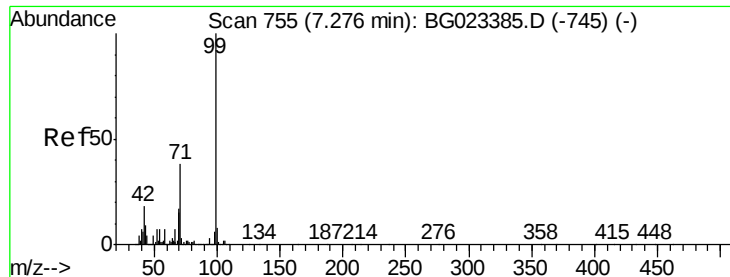


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 164.83 ng

RT: 7.28 min Scan# 756

Delta R.T. 0.00 min

Lab File: BG023391.D

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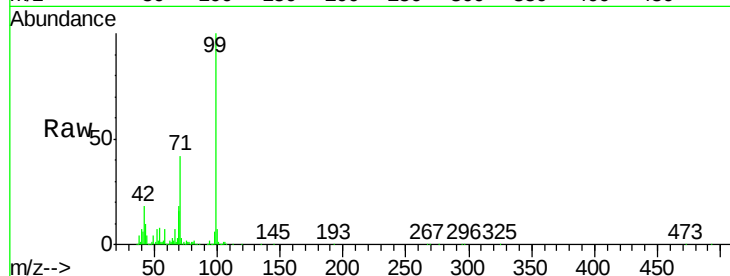
Tgt Ion: 99 Resp: 1434188

Ion Ratio Lower Upper

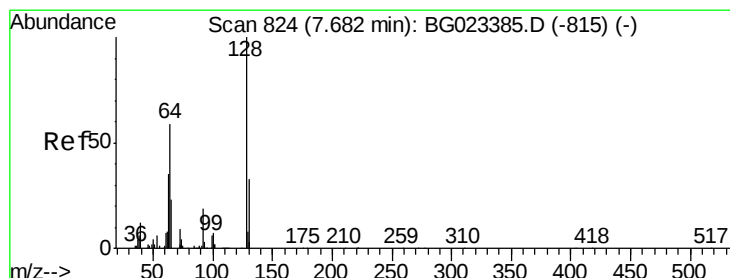
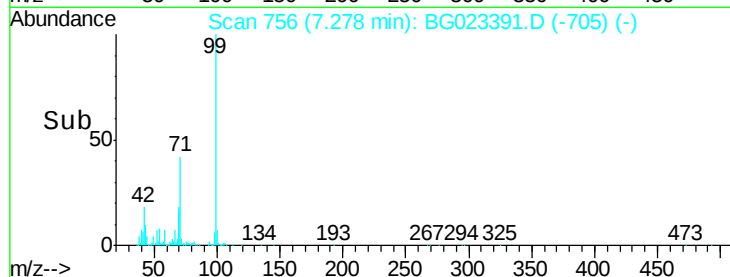
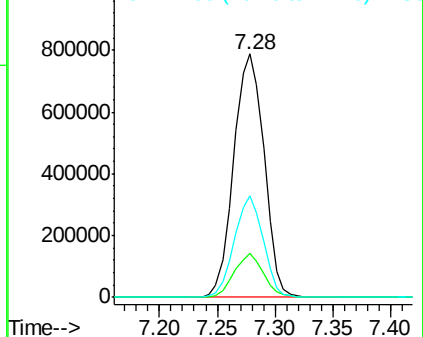
99 100

42 17.9 17.8 26.6

71 41.8 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: 55.68 ng

RT: 7.68 min Scan# 825

Delta R.T. 0.00 min

Lab File: BG023391.D

Acq: 1 Aug 2016 21:18

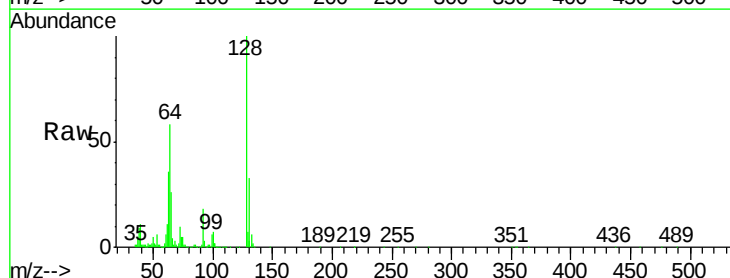
Tgt Ion: 128 Resp: 357365

Ion Ratio Lower Upper

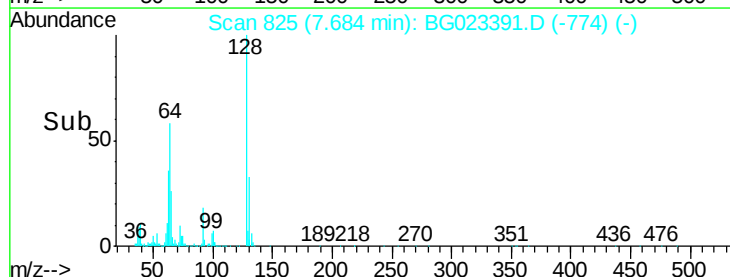
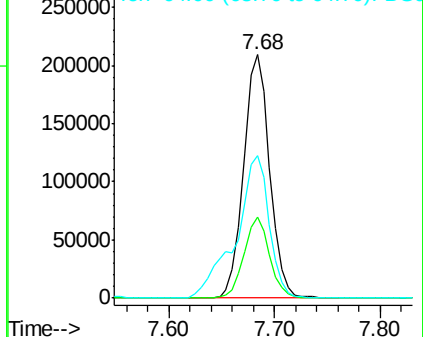
128 100

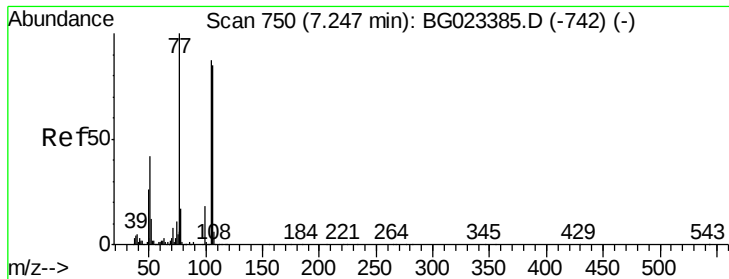
130 33.3 12.9 52.9

64 58.3 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: 41.45 ng

RT: 7.25 min Scan# 751

Delta R.T. 0.00 min

Lab File: BG023391.D

Acq: 1 Aug 2016 21:18

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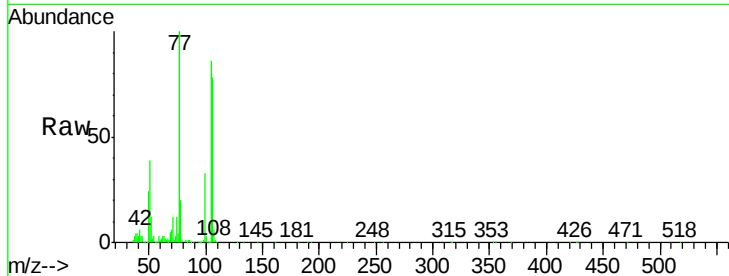
Tgt Ion: 77 Resp: 203357

Ion Ratio Lower Upper

77 100

105 85.6 58.7 98.7

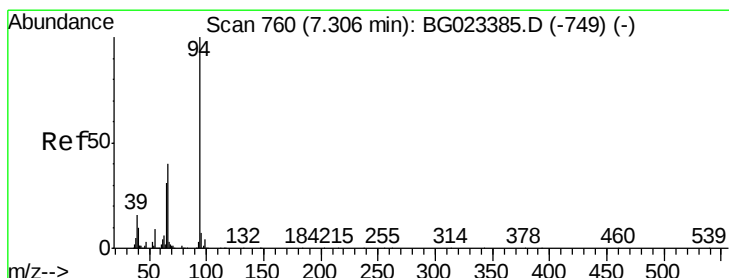
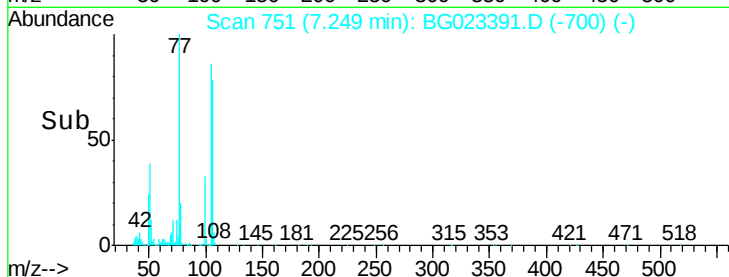
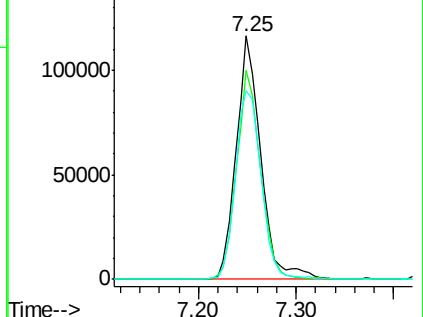
106 77.7 67.5 107.5



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 58.71 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.00 min

Lab File: BG023391.D

Acq: 1 Aug 2016 21:18

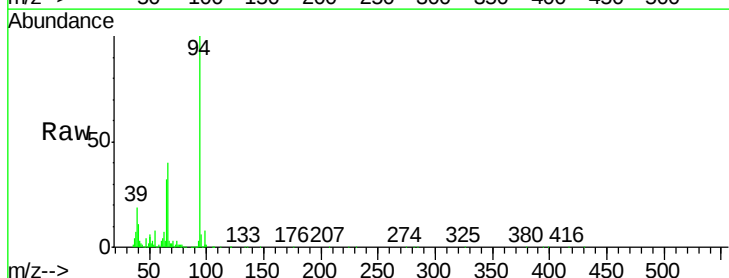
Tgt Ion: 94 Resp: 546470

Ion Ratio Lower Upper

94 100

65 32.2 18.1 58.1

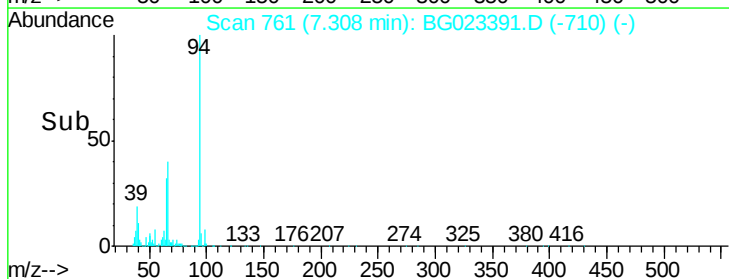
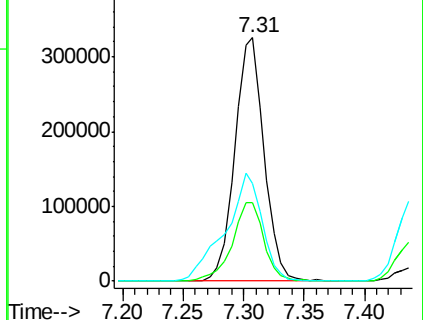
66 40.1 42.1 82.1#

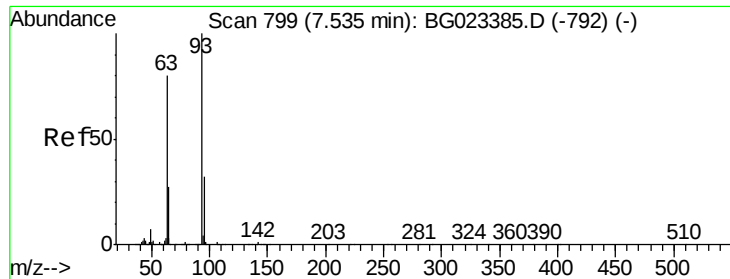


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

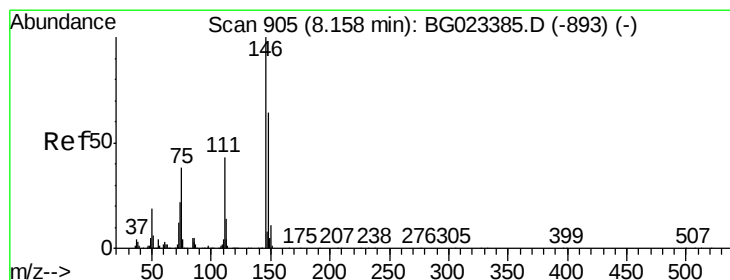
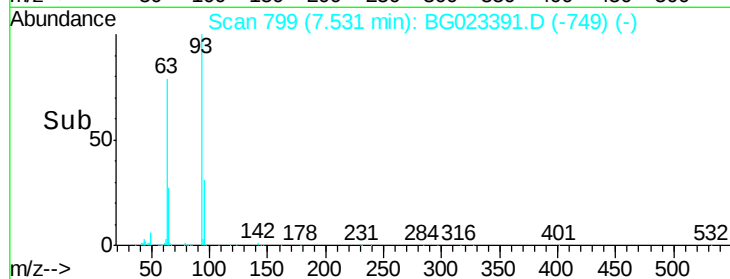
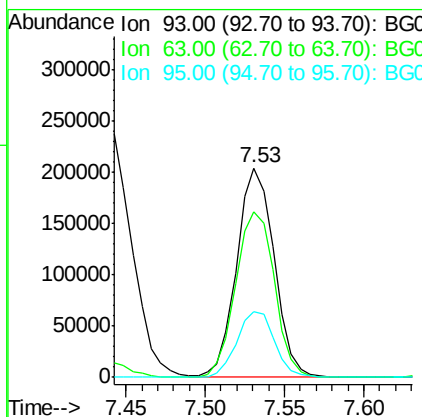
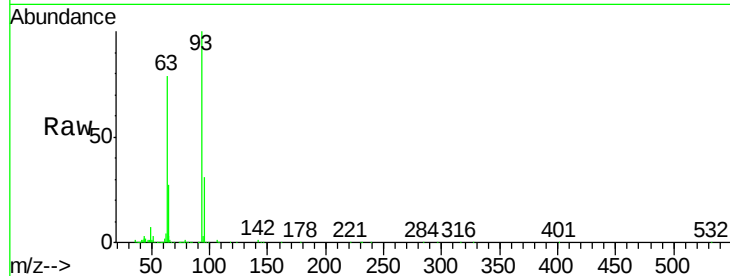




#11
bis(2-Chloroethyl)ether
Concen: 44.85 ng
RT: 7.53 min Scan# 799
Delta R.T. -0.00 min
Lab File: BG023391.D
Acq: 1 Aug 2016 21:18

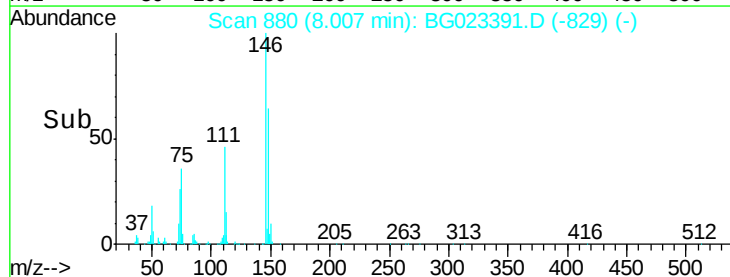
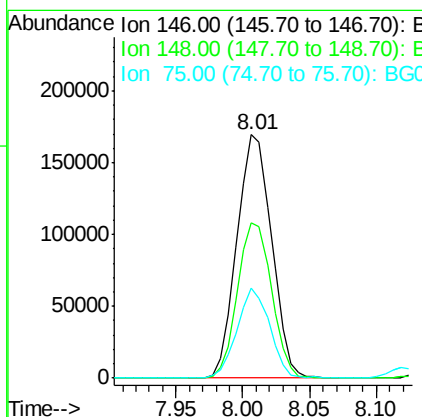
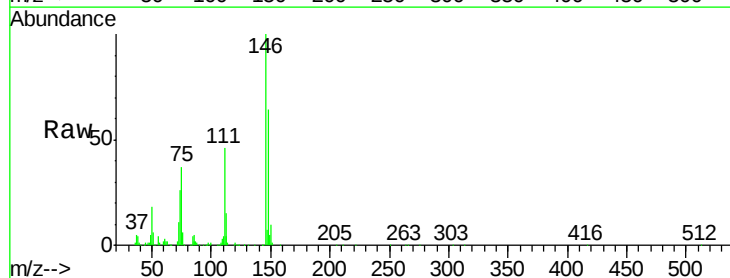
Instrument :
BNA_G
ClientSampleId :
PB92598BS

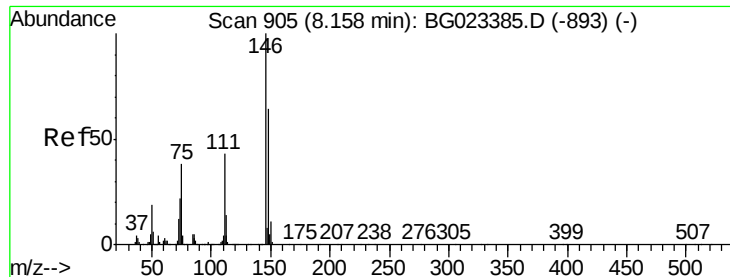
Tgt Ion	Ratio	Lower	Upper
93	100		
63	79.3	55.0	95.0
95	31.2	11.0	51.0



#12
1,3-Dichlorobenzene
Concen: 41.50 ng
RT: 8.01 min Scan# 880
Delta R.T. 0.00 min
Lab File: BG023391.D
Acq: 1 Aug 2016 21:18

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.3	75.5
75	37.2	37.0	55.6

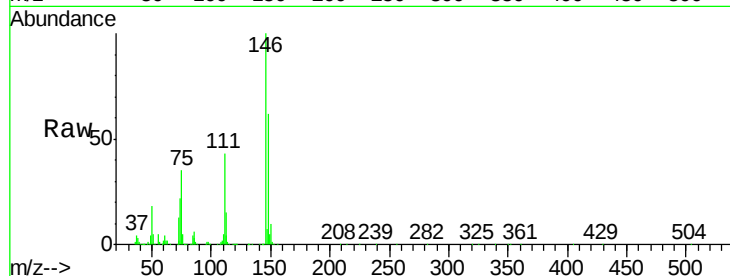




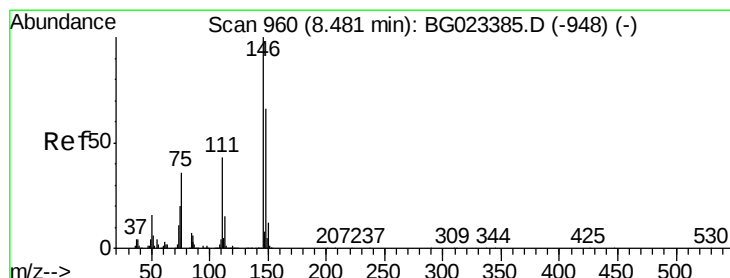
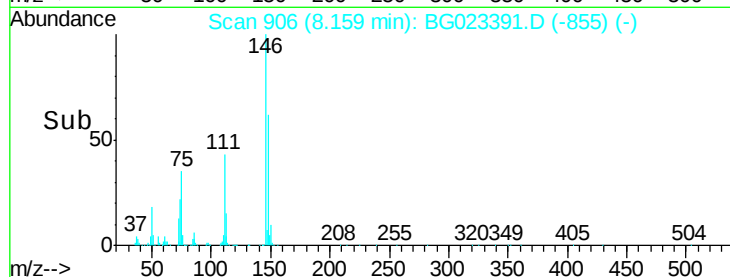
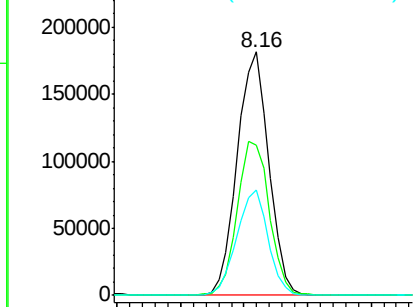
#13
 1,4-Dichlorobenzene
 Concen: 41.74 ng
 RT: 8.16 min Scan# 906
 Delta R.T. 0.00 min
 Lab File: BG023391.D
 Acq: 1 Aug 2016 21:18

Instrument :
 BNA_G
 ClientSampleId :
 PB92598BS

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.8	54.5	81.7
111	43.2	37.8	56.8

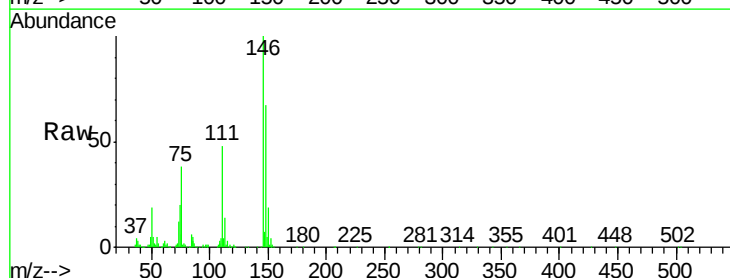


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

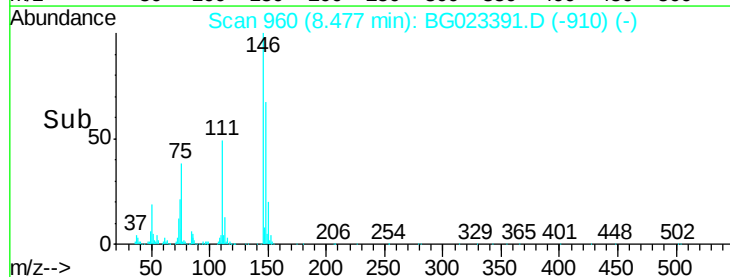
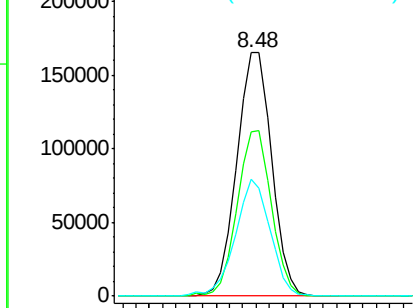


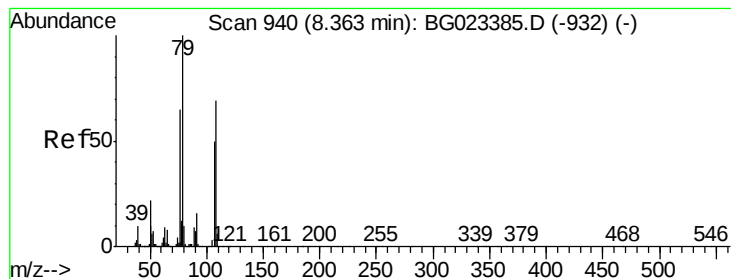
#14
 1,2-Dichlorobenzene
 Concen: 40.52 ng
 RT: 8.48 min Scan# 960
 Delta R.T. -0.00 min
 Lab File: BG023391.D
 Acq: 1 Aug 2016 21:18

Tgt Ion	Ratio	Lower	Upper
146	100		
148	67.5	52.9	79.3
111	48.1	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





#15

Benzyl Alcohol

Concen: 60.70 ng

RT: 8.36 min Scan# 940

Delta R.T. -0.00 min

Lab File: BG023391.D

Acq: 1 Aug 2016 21:18

Instrument :

BNA_G

ClientSampleId :

PB92598BS

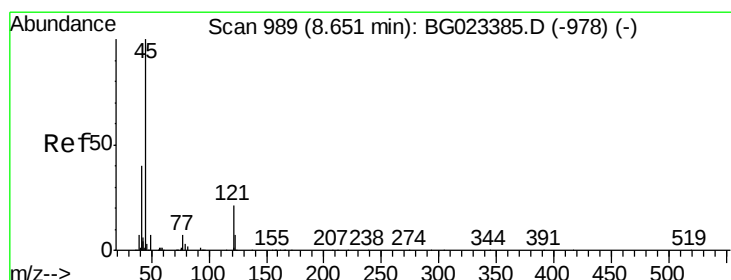
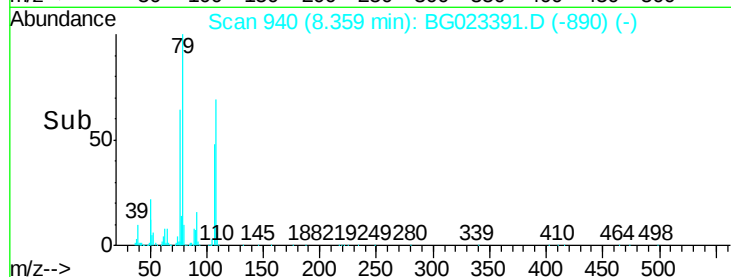
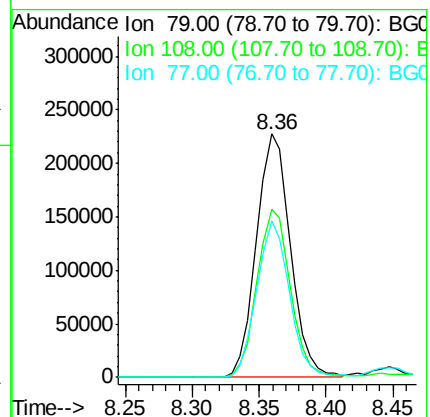
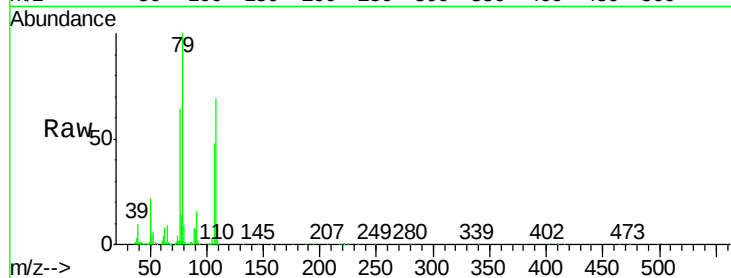
Tgt Ion: 79 Resp: 400190

Ion Ratio Lower Upper

79 100

108 69.2 46.5 69.7

77 64.3 52.3 78.5



#16

2,2'-oxybis(1-chloropropane)

Concen: 43.46 ng

RT: 8.65 min Scan# 990

Delta R.T. 0.00 min

Lab File: BG023391.D

Acq: 1 Aug 2016 21:18

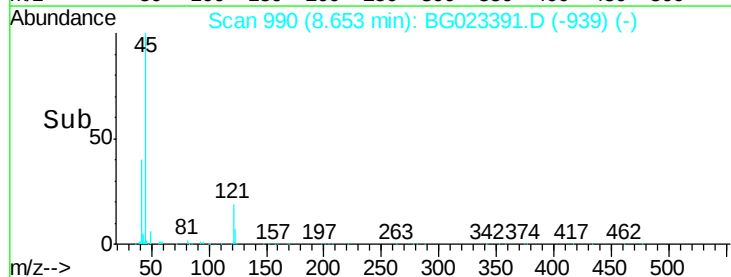
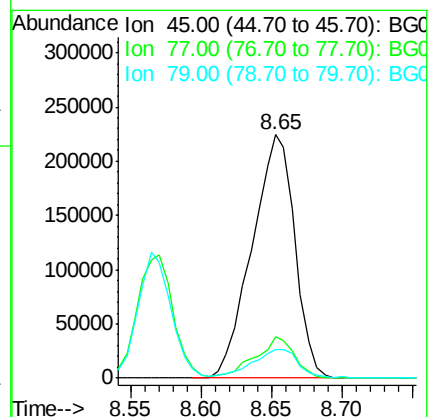
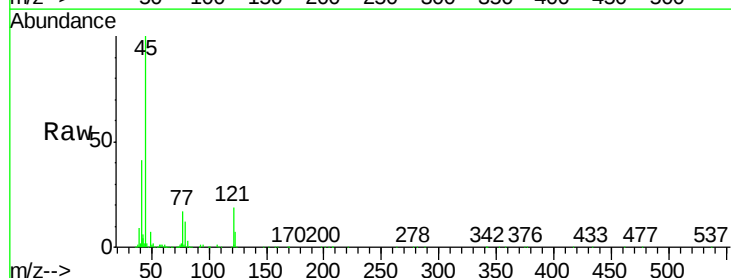
Tgt Ion: 45 Resp: 474562

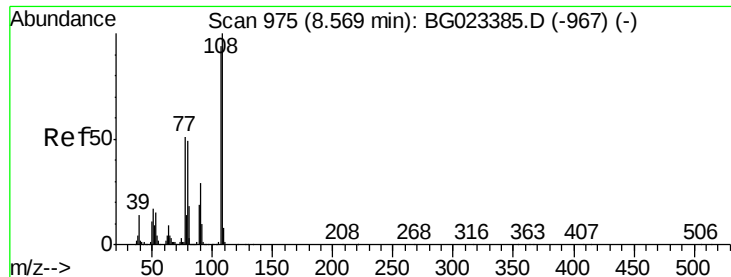
Ion Ratio Lower Upper

45 100

77 16.9 0.6 40.6

79 11.9 0.0 36.2





#17

2-Methylphenol

Concen: 58.90 ng

RT: 8.57 min Scan# 976

Delta R.T. 0.00 min

Lab File: BG023391.D

Acq: 1 Aug 2016 21:18

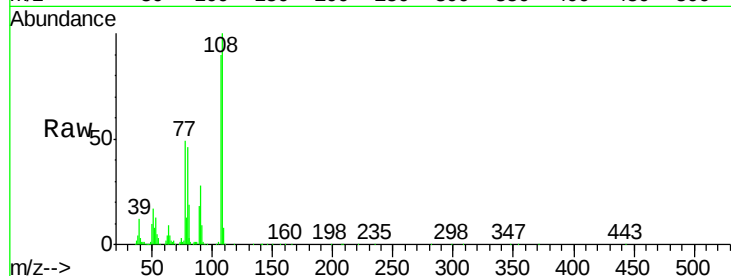
Instrument :

BNA_G

ClientSampleId :

PB92598BS

Tgt Ion:	107	Resp:	367544
Ion	Ratio	Lower	Upper
107	100		
108	111.6	92.0	138.0
77	54.6	55.8	83.6#
79	51.1	55.0	82.6#

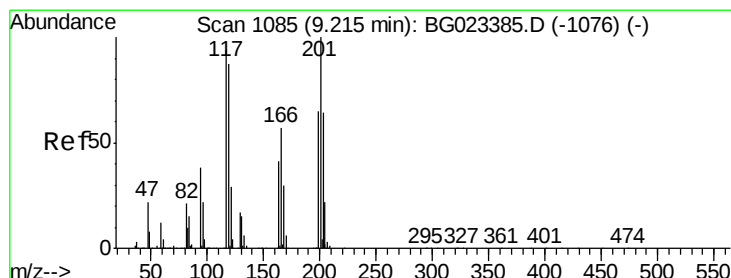
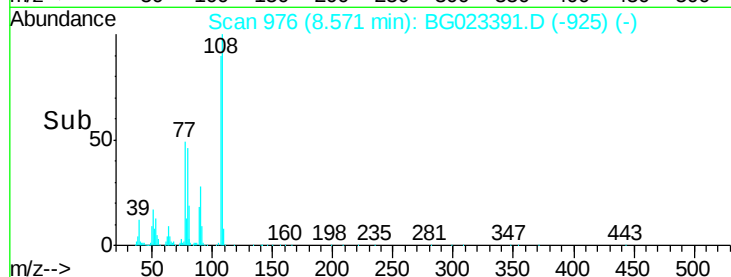
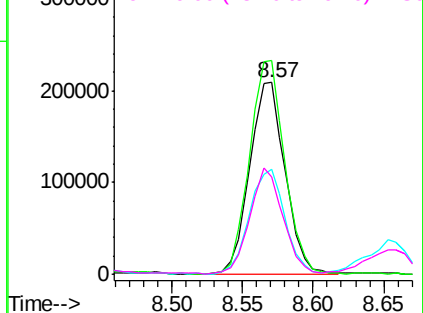


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 41.58 ng

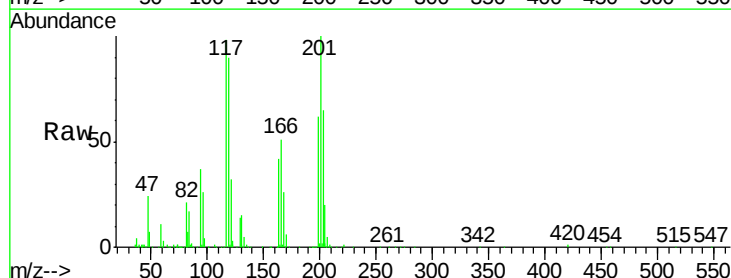
RT: 9.21 min Scan# 1085

Delta R.T. -0.00 min

Lab File: BG023391.D

Acq: 1 Aug 2016 21:18

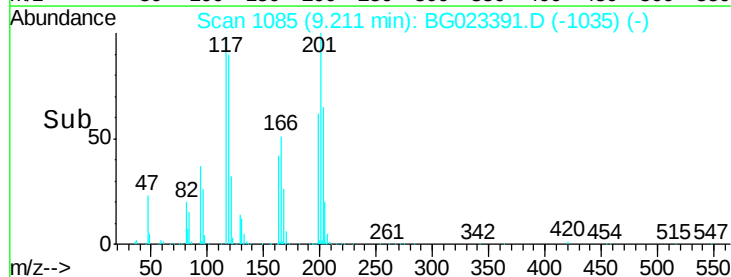
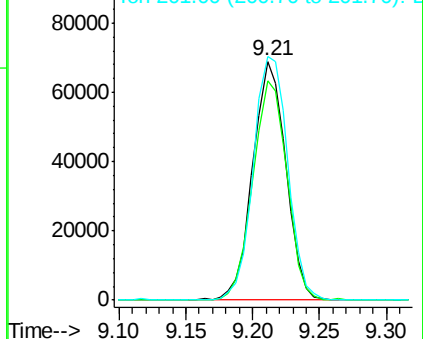
Tgt Ion:	117	Resp:	117717
Ion	Ratio	Lower	Upper
117	100		
119	91.9	73.7	110.5
201	101.8	88.7	133.1

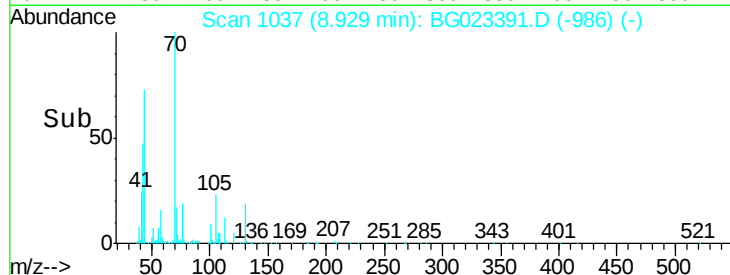
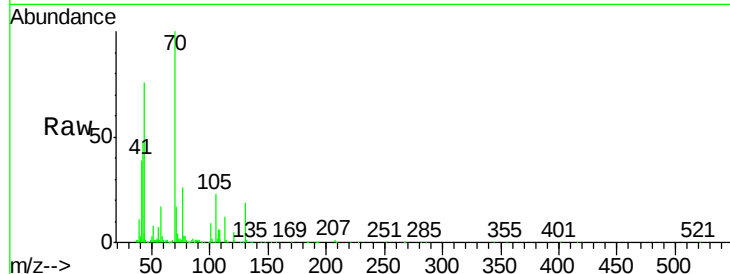
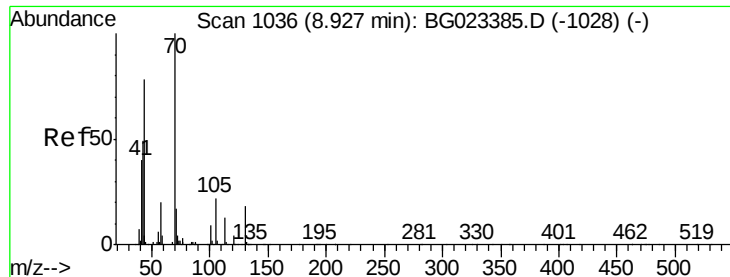


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

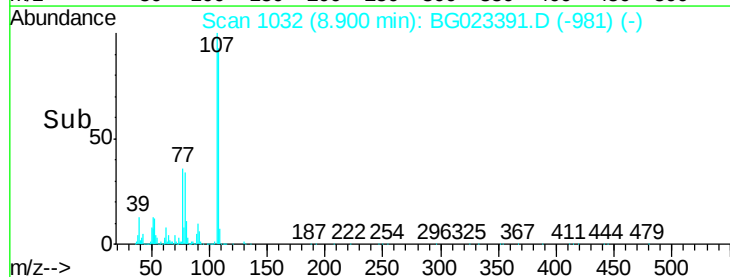
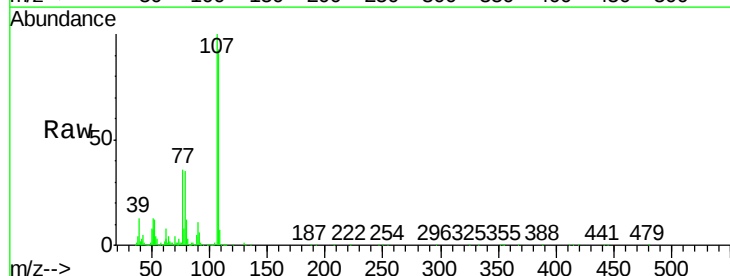
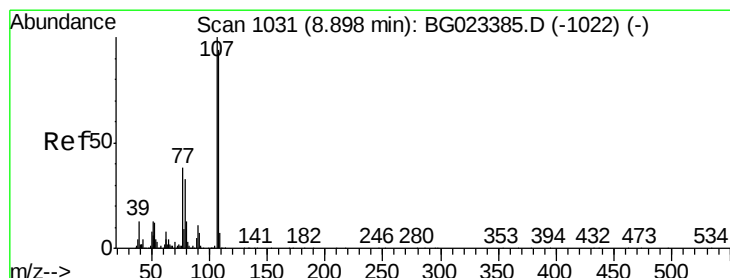
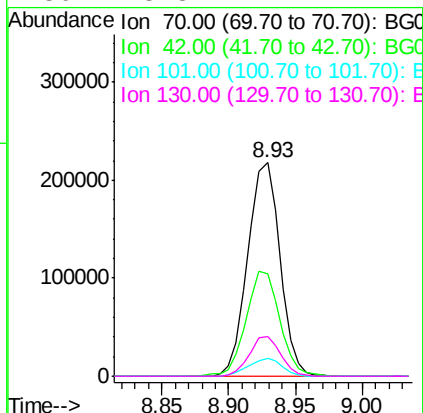




#19
n-Nitroso-di-n-propylamine
Concen: 48.47 ng
RT: 8.93 min Scan# 1037
Delta R.T. 0.00 min
Lab File: BG023391.D
Acq: 1 Aug 2016 21:18

Instrument :
BNA_G
ClientSampleId :
PB92598BS

Tgt Ion:	70	Resp:	362724
Ion	Ratio	Lower	Upper
70	100		
42	48.2	42.1	63.1
101	8.5	7.2	10.8
130	18.8	14.2	21.2



#20
3+4-Methylphenols
Concen: 59.58 ng
RT: 8.90 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BG023391.D
Acq: 1 Aug 2016 21:18

Tgt Ion:	107	Resp:	524148
Ion	Ratio	Lower	Upper
107	100		
108	93.4	72.5	112.5
77	36.5	30.1	70.1
79	34.7	24.2	64.2

