

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080216\
 Data File : BG023401.D
 Acq On : 2 Aug 2016 18:19
 Operator : UM/SJ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 03 01:32:03 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	158696	20.00	ng	0.00
21) Naphthalene-d8	10.96	136	751253	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	528220	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	1147962	20.00	ng	0.00
75) Chrysene-d12	21.86	240	1058578	20.00	ng	0.00
86) Perylene-d12	25.24	264	1126169	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.66	112	747239	79.26	ng	0.00
7) Phenol-d6	7.28	99	1165290	79.36	ng	0.00
23) Nitrobenzene-d5	9.30	82	1172568	77.60	ng	0.00
41) 2,4,6-Tribromophenol	16.28	330	598233	77.43	ng	0.00
44) 2-Fluorobiphenyl	13.40	172	2306453	73.65	ng	0.00
78) Terphenyl-d14	20.15	244	2625864	75.48	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	144345	35.94	ng	# 92
3) Pyridine	3.93	79	473769	35.89	ng	94
4) n-Nitrosodimethylamine	3.85	42	190353	38.90	ng	# 67
6) Aniline	7.44	93	717002	33.80	ng	94
8) 2-Chlorophenol	7.68	128	412788	38.11	ng	98
9) Benzaldehyde	7.26	77	360653	44.43	ng	96
10) Phenol	7.31	94	588222	37.44	ng	82
11) bis(2-Chloroethyl)ether	7.53	93	471028	37.59	ng	92
12) 1,3-Dichlorobenzene	8.01	146	469952	37.90	ng	94
13) 1,4-Dichlorobenzene	8.16	146	482423	38.00	ng	95
14) 1,2-Dichlorobenzene	8.48	146	455440	36.57	ng	95
15) Benzyl Alcohol	8.37	79	446461	40.13	ng	# 90
16) 2,2'-oxybis(1-Chloropropan	8.65	45	703908	38.20	ng	87
17) 2-Methylphenol	8.57	107	398757	37.86	ng	92
18) Hexachloroethane	9.21	117	185817	38.89	ng	96
19) n-Nitroso-di-n-propylamine	8.93	70	468710	37.11	ng	95
20) 3+4-Methylphenols	8.90	107	582728	39.25	ng	94
22) Acetophenone	8.95	105	788291	38.32	ng	# 91
24) Nitrobenzene	9.34	77	681172	40.71	ng	91
25) Isophorone	9.86	82	1258776	39.99	ng	96
26) 2-Nitrophenol	10.06	139	287068	40.65	ng	# 77
27) 2,4-Dimethylphenol	10.11	122	465896	38.74	ng	88
28) bis(2-Chloroethoxy)methane	10.35	93	664722	35.13	ng	99
29) 2,4-Dichlorophenol	10.60	162	479001	39.61	ng	97
30) 1,2,4-Trichlorobenzene	10.82	180	509994	39.11	ng	99
31) Naphthalene	11.00	128	1418235	37.07	ng	98
32) Benzoic acid	10.27	122	379823	36.14	ng	92
33) 4-Chloroaniline	11.11	127	627794	34.33	ng	94
34) Hexachlorobutadiene	11.28	225	343276	40.03	ng	97
35) Caprolactam	11.90	113	176078	34.61	ng	95
36) 4-Chloro-3-methylphenol	12.24	107	597944	37.64	ng	# 89
37) 2-Methylnaphthalene	12.83	142	1045305	35.94	ng	92
39) 1,2,4,5-Tetrachlorobenzene	12.98	216	730684	38.15	ng	98
40) Hexachlorocyclopentadiene	12.95	237	375350	38.86	ng	98

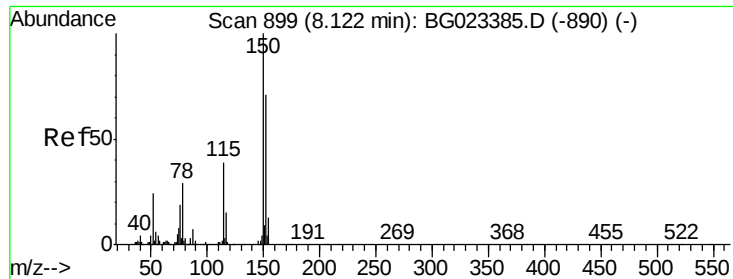
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080216\
 Data File : BG023401.D
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 01 19:22:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.22	196	440858	38.64	ng	95
43) 2,4,5-Trichlorophenol	13.29	196	459965	39.16	ng	94
45) 1,1'-Biphenyl	13.61	154	1504685	37.26	ng	94
46) 2-Chloronaphthalene	13.66	162	1144982	36.65	ng	97
47) 2-Nitroaniline	13.86	65	456690	35.21	ng	# 86
48) Acenaphthylene	14.50	152	1812700	36.71	ng	98
49) Dimethylphthalate	14.23	163	1530178	37.76	ng	97
50) 2,6-Dinitrotoluene	14.36	165	355484	37.04	ng	# 81
51) Acenaphthene	14.85	154	1141543	36.49	ng	98
52) 3-Nitroaniline	14.69	138	354857	32.79	ng	83
53) 2,4-Dinitrophenol	14.90	184	216109	35.13	ng	89
54) Dibenzofuran	15.19	168	1645008	36.22	ng	97
55) 4-Nitrophenol	15.01	139	268848	31.63	ng	# 74
56) 2,4-Dinitrotoluene	15.15	165	504246	37.43	ng	90
57) Fluorene	15.84	166	1428347	36.04	ng	100
58) 2,3,4,6-Tetrachlorophenol	15.41	232	392286	36.39	ng	95
59) Diethylphthalate	15.59	149	1517127	36.88	ng	96
60) 4-Chlorophenyl-phenylether	15.82	204	784587	37.41	ng	99
61) 4-Nitroaniline	15.87	138	353236	30.66	ng	# 67
62) Azobenzene	16.12	77	1509921	36.21	ng	90
64) 4,6-Dinitro-2-methylphenol	15.91	198	320076	41.01	ng	94
65) n-Nitrosodiphenylamine	16.04	169	1301075	38.64	ng	95
66) 4-Bromophenyl-phenylether	16.72	248	556154	41.57	ng	94
67) Hexachlorobenzene	16.84	284	593690	40.56	ng	96
68) Atrazine	16.99	200	496318	38.39	ng	98
69) Pentachlorophenol	17.19	266	336008	39.37	ng	98
70) Phenanthrene	17.59	178	2142753	36.79	ng	97
71) Anthracene	17.68	178	2175574	37.13	ng	97
72) Carbazole	17.95	167	1867105	36.29	ng	99
73) Di-n-butylphthalate	18.49	149	2209413	41.80	ng	98
74) Fluoranthene	19.60	202	2267170	40.54	ng	95
76) Benzidine	19.78	184	1174304	39.91	ng	99
77) Pyrene	19.96	202	2262132	35.97	ng	98
79) Butylbenzylphthalate	20.84	149	986439	38.70	ng	97
80) Benzo(a)anthracene	21.84	228	2202892	37.70	ng	98
81) 3,3'-Dichlorobenzidine	21.75	252	960716	40.08	ng	# 96
82) Chrysene	21.91	228	2088784	37.57	ng	97
83) Bis(2-ethylhexyl)phthalate	21.72	149	1376573	39.44	ng	98
84) Di-n-octyl phthalate	22.98	149	2295260	38.53	ng	99
85) Indeno(1,2,3-cd)pyrene	29.11	276	2897751	41.71	ng	# 100
87) Benzo(b)fluoranthene	24.16	252	2396369	37.82	ng	# 97
88) Benzo(k)fluoranthene	24.23	252	2300730	37.80	ng	# 97
89) Benzo(a)pyrene	25.08	252	2304927	38.25	ng	# 95
90) Dibenzo(a,h)anthracene	29.17	278	2379948	38.66	ng	# 95
91) Benzo(g,h,i)perylene	30.32	276	2389706	38.55	ng	# 93

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

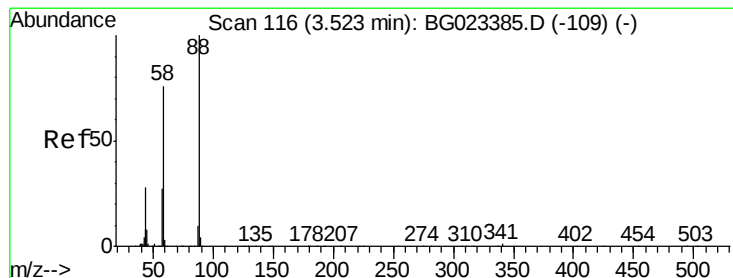
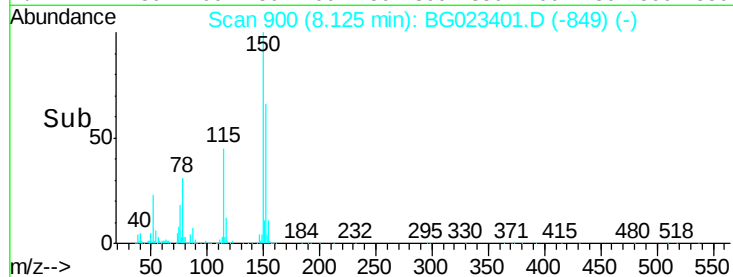
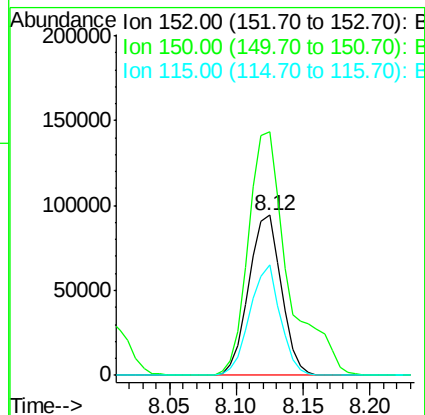
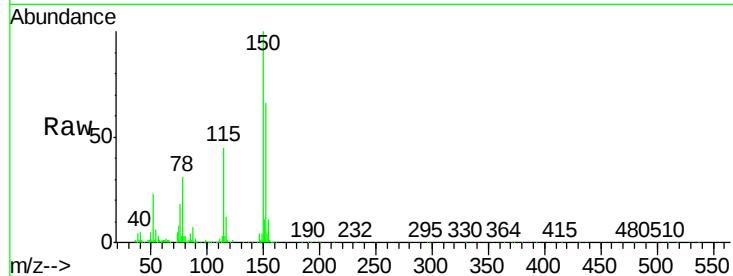


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.12 min Scan# 900
Delta R.T. 0.00 min
Lab File: BG023401.D
Acq: 2 Aug 2016 18:19

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

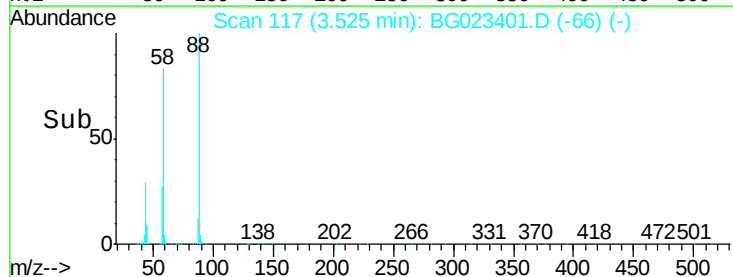
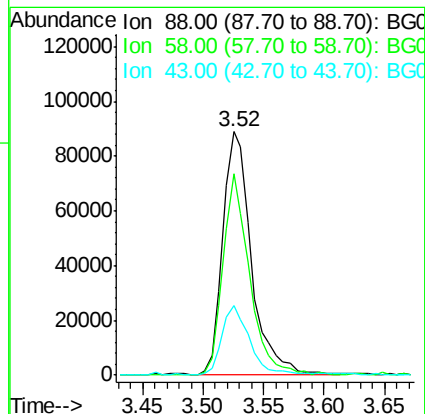
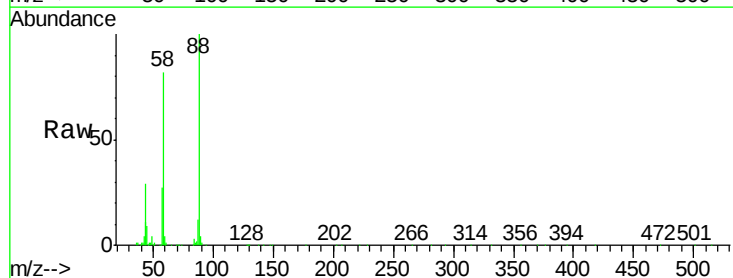
Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.0	144.7	217.1
115	69.1	64.0	96.0

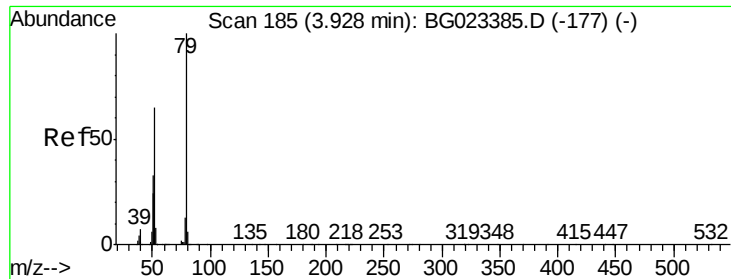


#2

1,4-Dioxane
Concen: 35.94 ng
RT: 3.52 min Scan# 117
Delta R.T. 0.00 min
Lab File: BG023401.D
Acq: 2 Aug 2016 18:19

Tgt Ion	Ratio	Lower	Upper
88	100		
58	77.5	60.4	90.6
43	27.9	31.1	46.7





#3

Pyridine

Concen: 35.89 ng

RT: 3.93 min Scan# 186

Delta R.T. 0.00 min

Lab File: BG023401.D

Acq: 2 Aug 2016 18:19

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

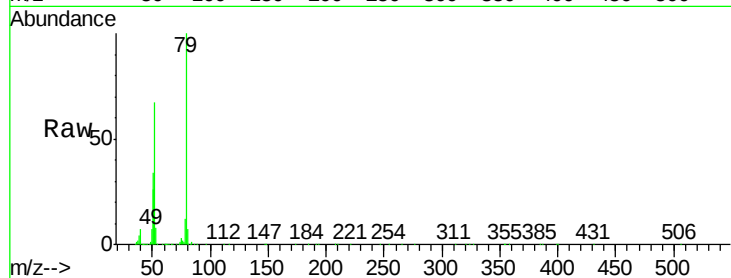
Tgt Ion: 79 Resp: 473769

Ion Ratio Lower Upper

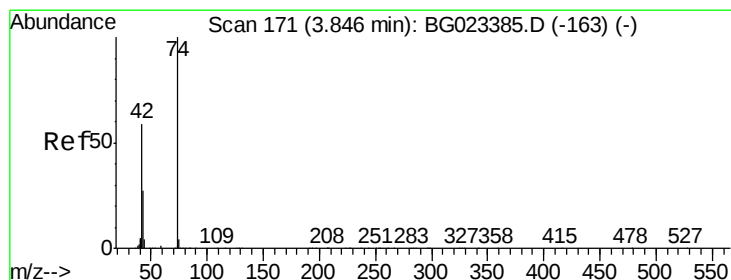
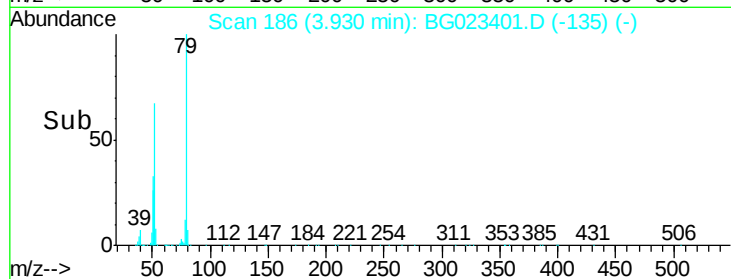
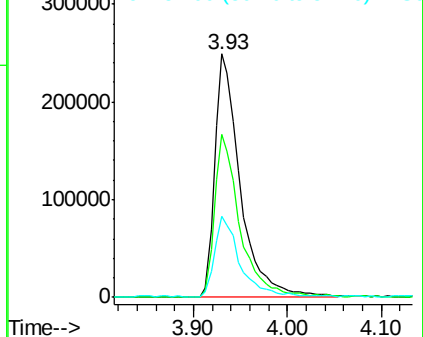
79 100

52 66.8 51.8 77.8

51 33.5 32.7 49.1



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: 38.90 ng

RT: 3.85 min Scan# 172

Delta R.T. 0.00 min

Lab File: BG023401.D

Acq: 2 Aug 2016 18:19

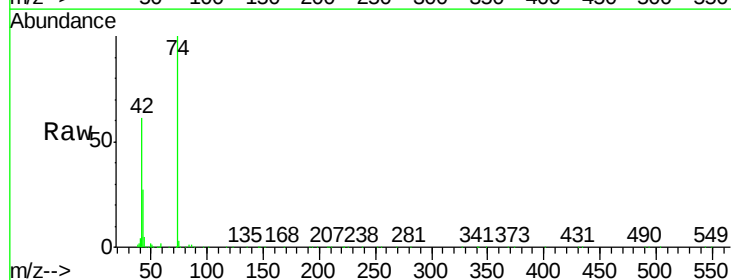
Tgt Ion: 42 Resp: 190353

Ion Ratio Lower Upper

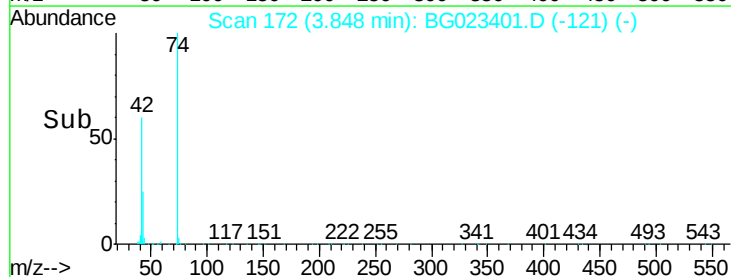
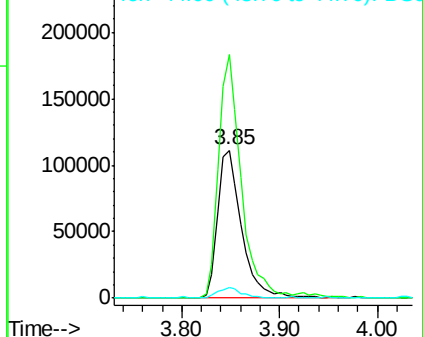
42 100

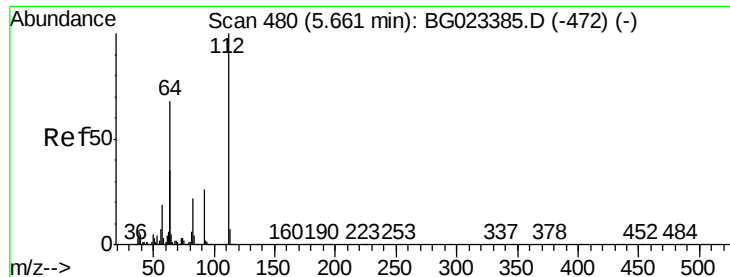
74 164.6 100.6 150.8#

44 7.6 4.5 6.7#



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: 79.26 ng

RT: 5.66 min Scan# 481

Delta R.T. 0.00 min

Lab File: BG023401.D

Acq: 2 Aug 2016 18:19

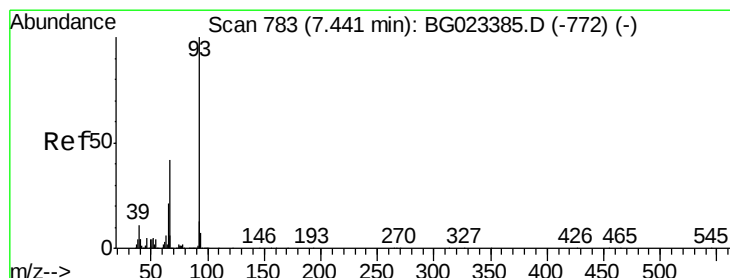
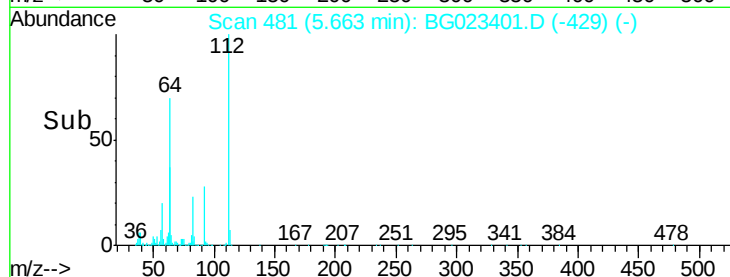
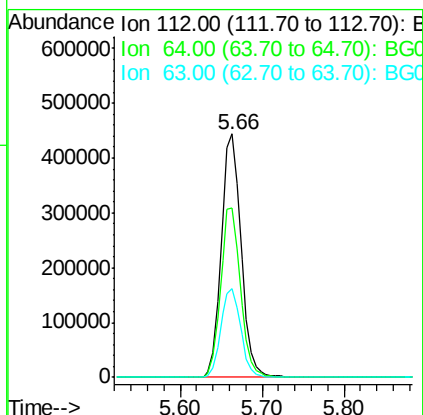
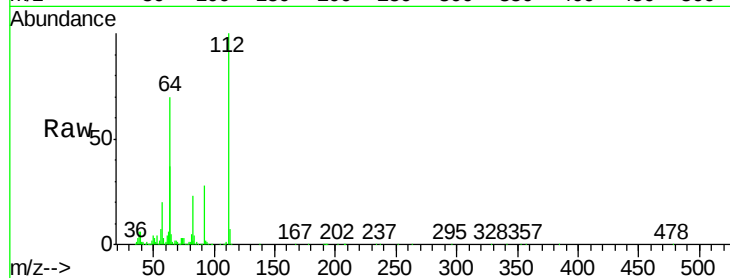
Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion:	112	Resp:	747239
Ion	Ratio	Lower	Upper
112	100		
64	69.6	59.0	88.4
63	36.5	37.8	56.8#



#6

Aniline

Concen: 33.80 ng

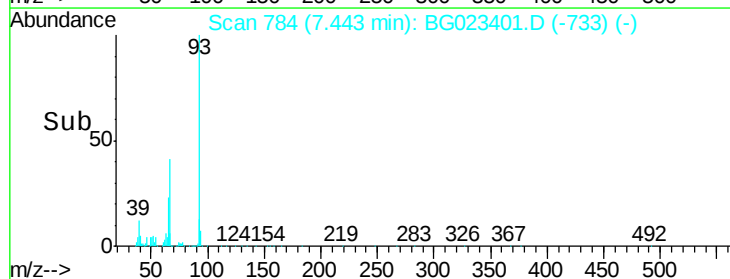
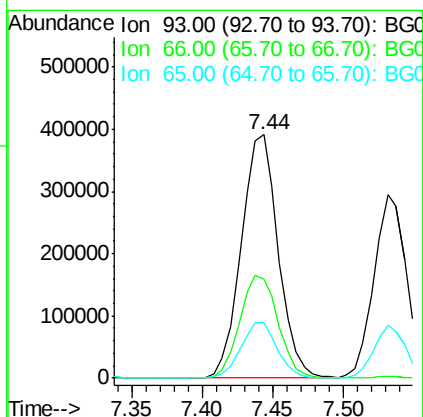
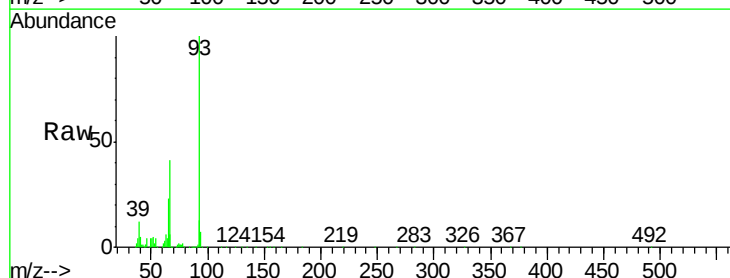
RT: 7.44 min Scan# 784

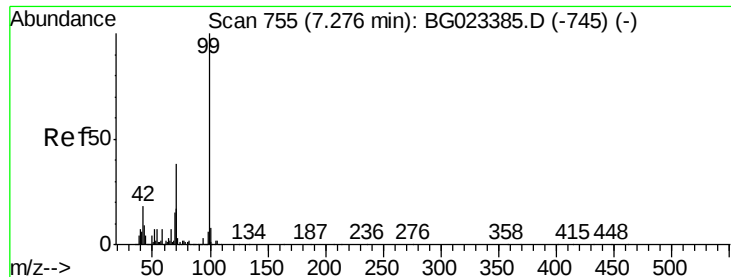
Delta R.T. 0.00 min

Lab File: BG023401.D

Acq: 2 Aug 2016 18:19

Tgt Ion:	93	Resp:	717002
Ion	Ratio	Lower	Upper
93	100		
66	40.9	37.5	56.3
65	23.0	17.9	26.9





#7

Phenol-d6

Concen: 79.36 ng

RT: 7.28 min Scan# 756

Delta R.T. 0.00 min

Lab File: BG023401.D

Acq: 2 Aug 2016 18:19

Instrument :

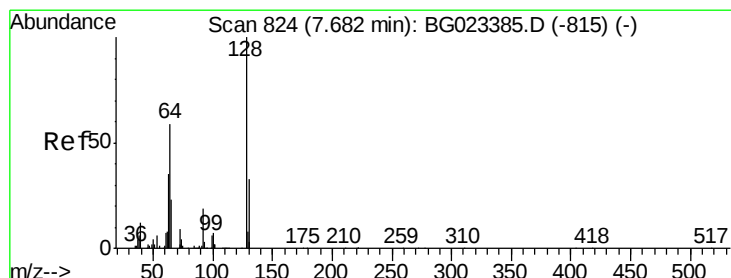
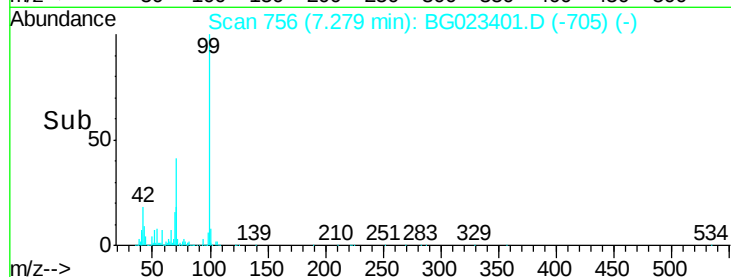
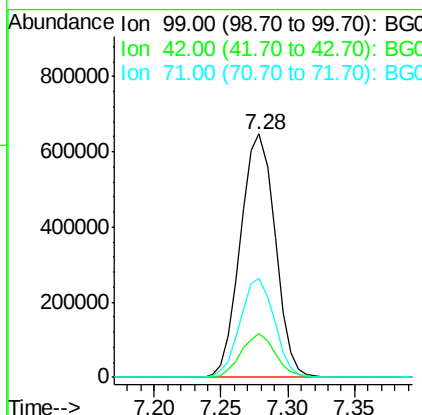
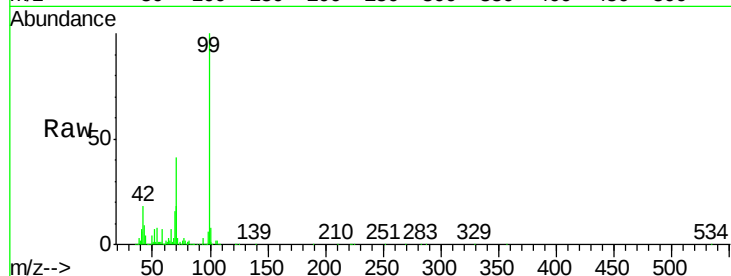
BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion: 99 Resp: 1165290

Ion	Ratio	Lower	Upper
99	100		
42	18.3	17.8	26.6
71	40.7	41.5	62.3#



#8

2-Chlorophenol

Concen: 38.11 ng

RT: 7.68 min Scan# 825

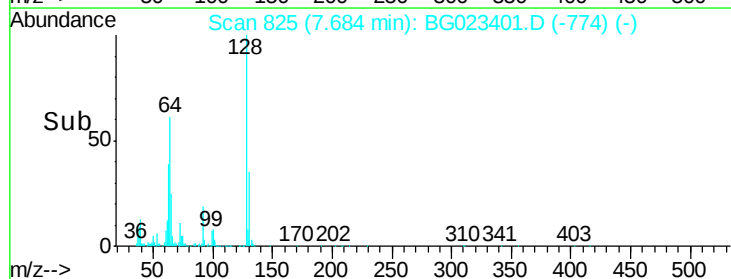
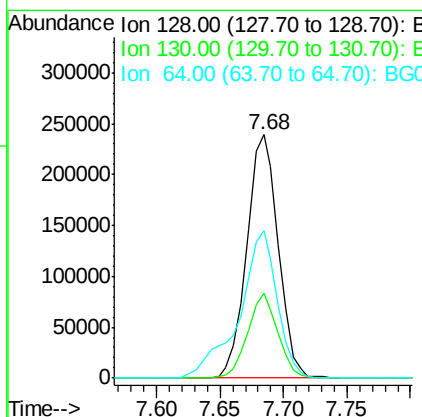
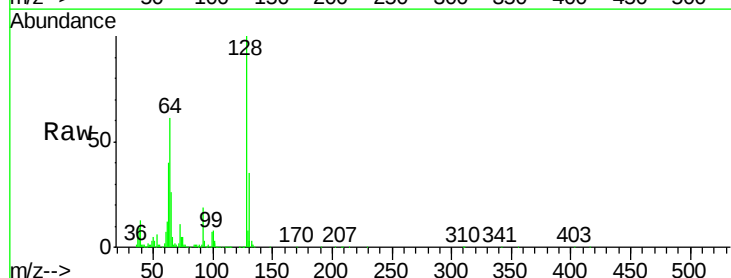
Delta R.T. 0.00 min

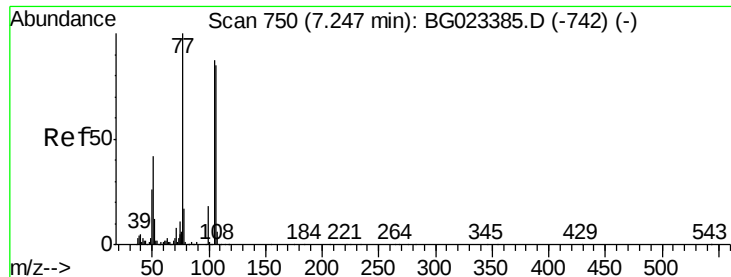
Lab File: BG023401.D

Acq: 2 Aug 2016 18:19

Tgt Ion: 128 Resp: 412788

Ion	Ratio	Lower	Upper
128	100		
130	34.6	12.9	52.9
64	60.9	42.0	82.0





#9

Benzaldehyde

Concen: 44.43 ng

RT: 7.26 min Scan# 752

Delta R.T. 0.01 min

Lab File: BG023401.D

Acq: 2 Aug 2016 18:19

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

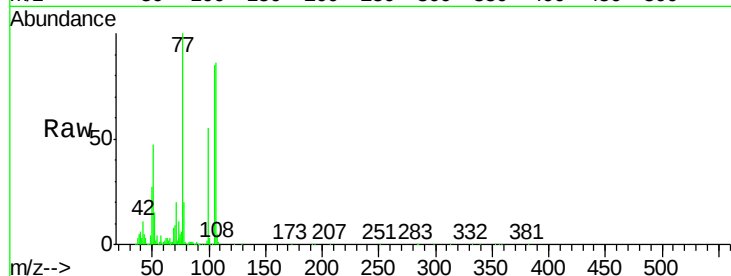
Tgt Ion: 77 Resp: 360653

Ion Ratio Lower Upper

77 100

105 84.6 58.7 98.7

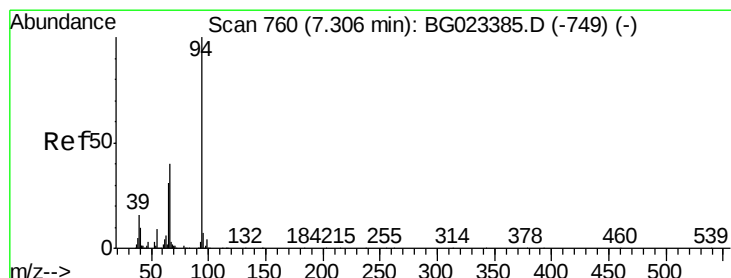
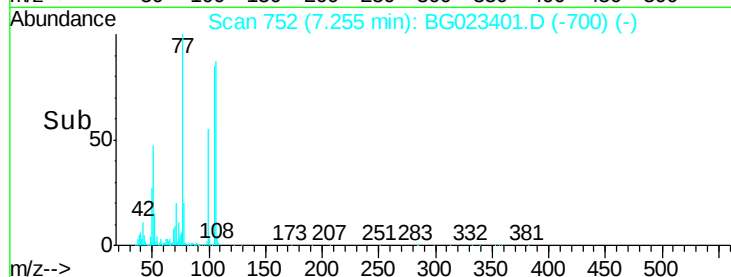
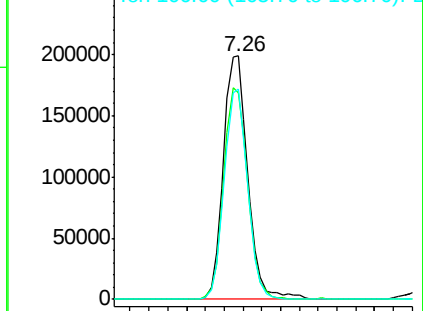
106 86.4 67.5 107.5



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: 37.44 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.00 min

Lab File: BG023401.D

Acq: 2 Aug 2016 18:19

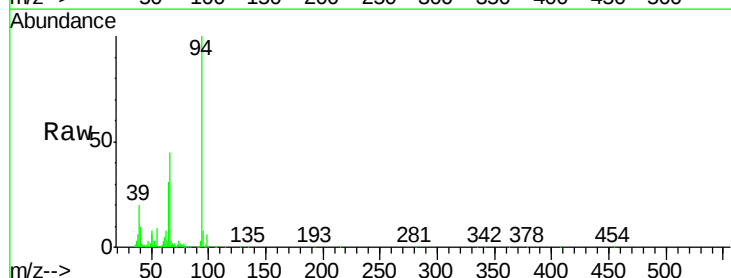
Tgt Ion: 94 Resp: 588222

Ion Ratio Lower Upper

94 100

65 31.5 18.1 58.1

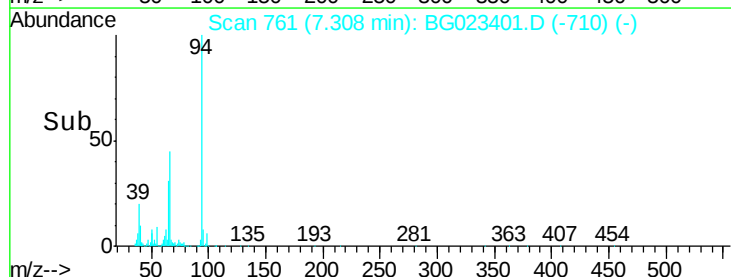
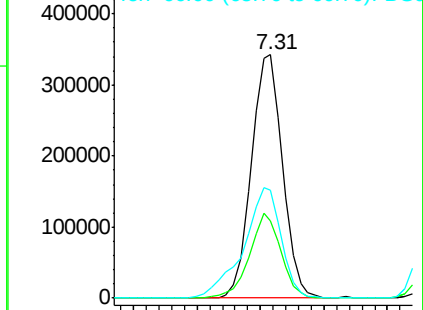
66 44.6 42.1 82.1



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

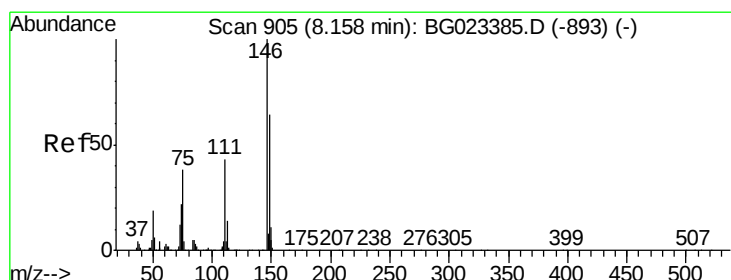
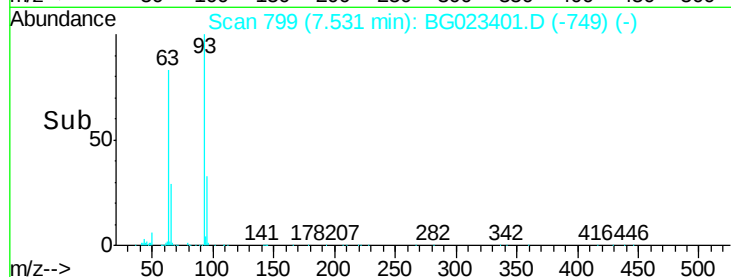
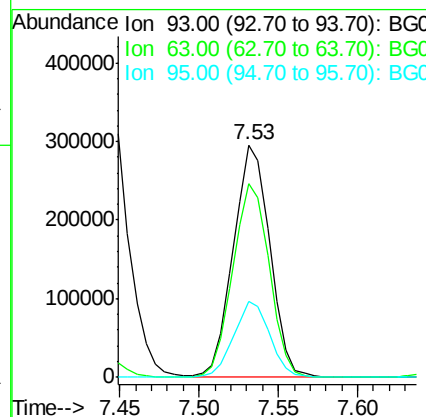
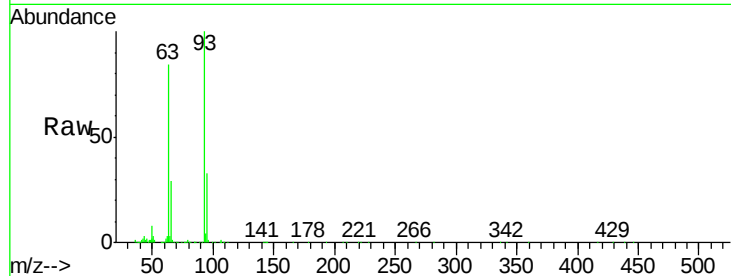




#11
bis(2-Chloroethyl)ether
Concen: 37.59 ng
RT: 7.53 min Scan# 799
Delta R.T. -0.00 min
Lab File: BG023401.D
Acq: 2 Aug 2016 18:19

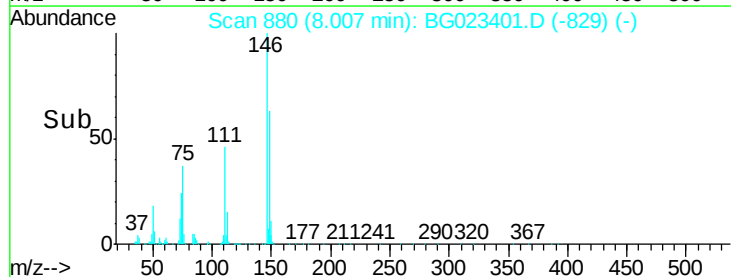
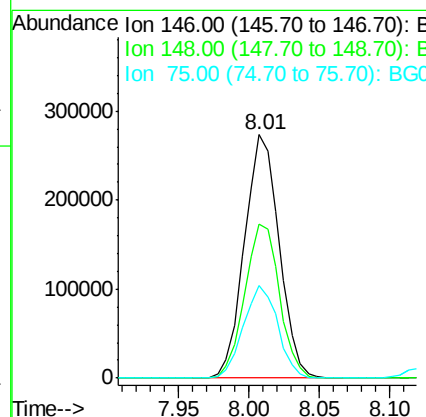
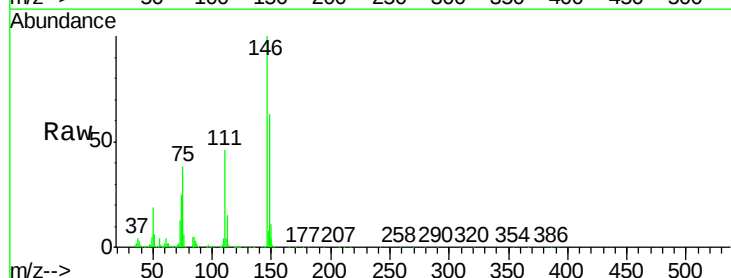
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

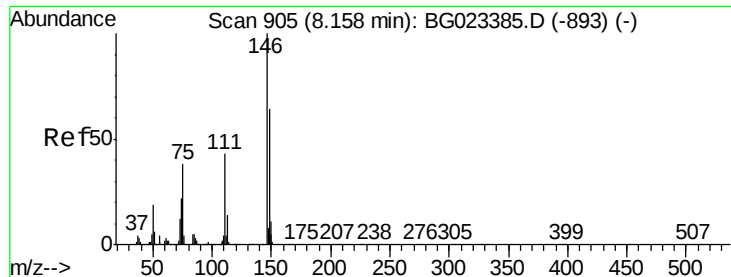
Tgt Ion	Ratio	Lower	Upper
93	100		
63	83.7	55.0	95.0
95	32.7	11.0	51.0



#12
1,3-Dichlorobenzene
Concen: 37.90 ng
RT: 8.01 min Scan# 880
Delta R.T. 0.00 min
Lab File: BG023401.D
Acq: 2 Aug 2016 18:19

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.3	75.5
75	37.8	37.0	55.6





#13

1,4-Dichlorobenzene

Concen: 38.00 ng

RT: 8.16 min Scan# 906

Delta R.T. 0.00 min

Lab File: BG023401.D

Acq: 2 Aug 2016 18:19

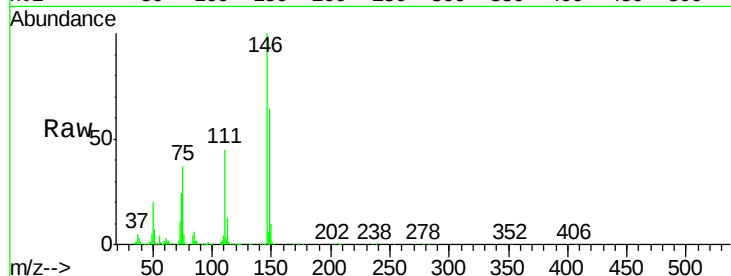
Instrument :

BNA_G

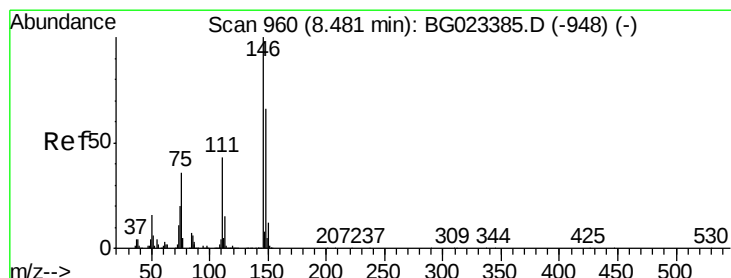
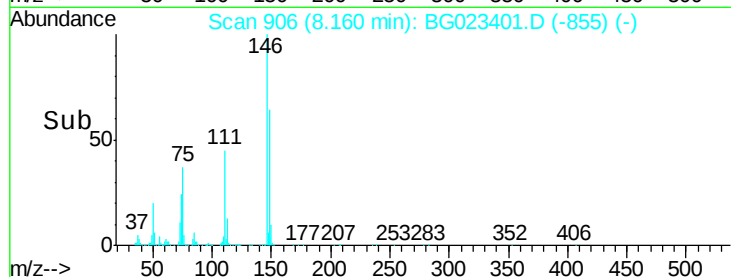
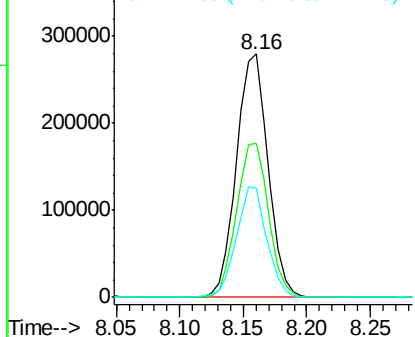
ClientSampleId :

SSTDCCC040

Tgt Ion:	146	Resp:	482423
Ion Ratio	Lower	Upper	
146	100		
148	63.5	54.5	81.7
111	44.7	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: 36.57 ng

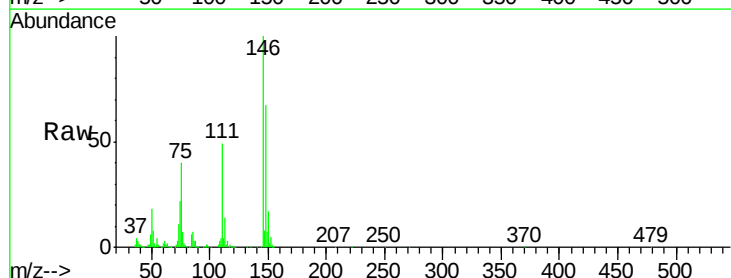
RT: 8.48 min Scan# 960

Delta R.T. -0.00 min

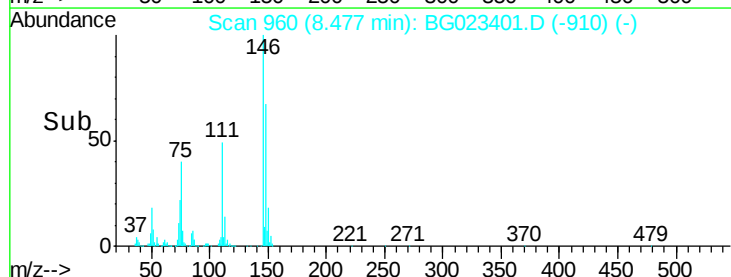
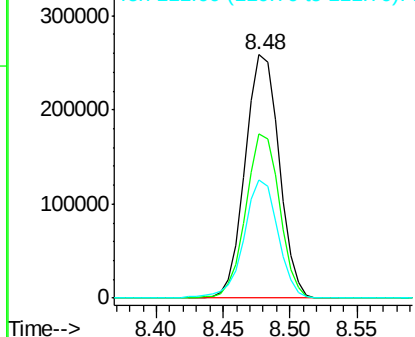
Lab File: BG023401.D

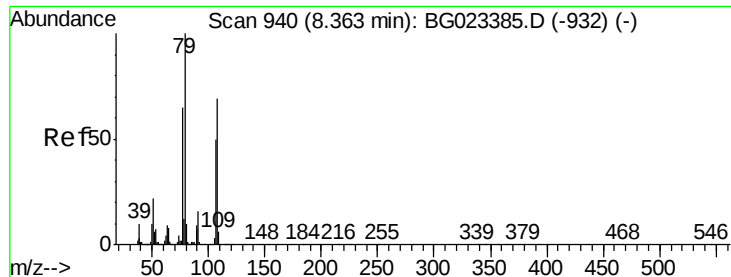
Acq: 2 Aug 2016 18:19

Tgt Ion:	146	Resp:	455440
Ion Ratio	Lower	Upper	
146	100		
148	67.5	52.9	79.3
111	48.7	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: 40.13 ng

RT: 8.37 min Scan# 941

Delta R.T. 0.00 min

Lab File: BG023401.D

Acq: 2 Aug 2016 18:19

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

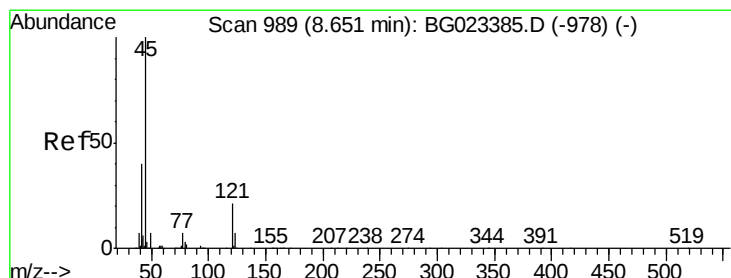
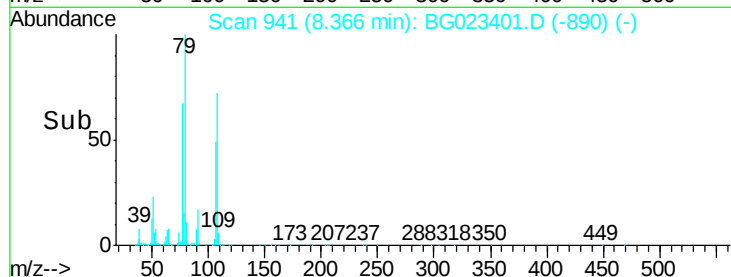
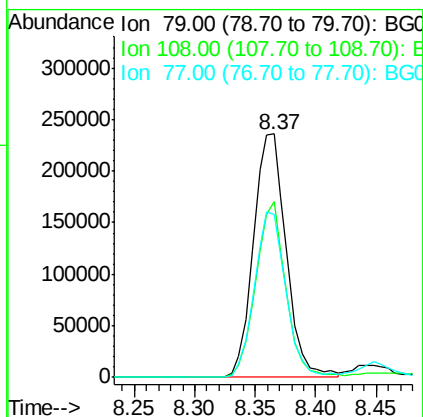
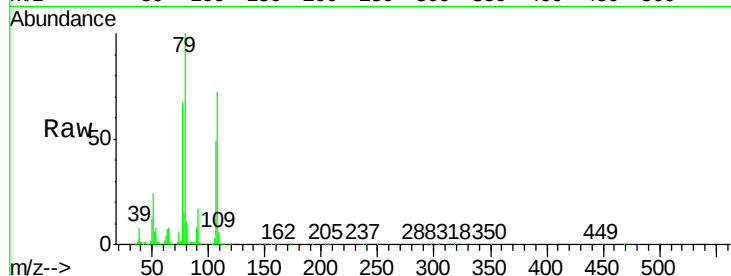
Tgt Ion: 79 Resp: 446461

Ion Ratio Lower Upper

79 100

108 72.0 46.5 69.7#

77 66.7 52.3 78.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.20 ng

RT: 8.65 min Scan# 989

Delta R.T. -0.00 min

Lab File: BG023401.D

Acq: 2 Aug 2016 18:19

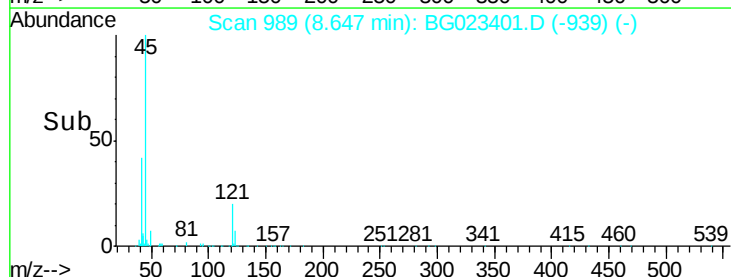
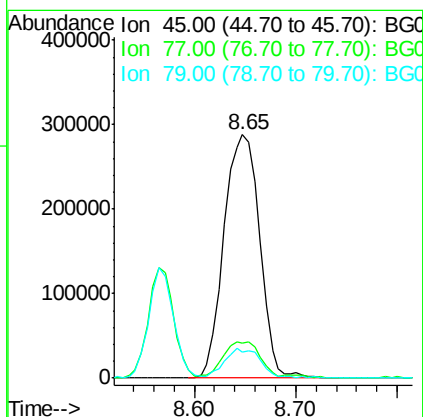
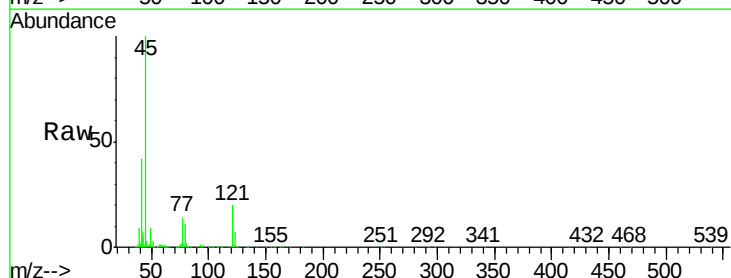
Tgt Ion: 45 Resp: 703908

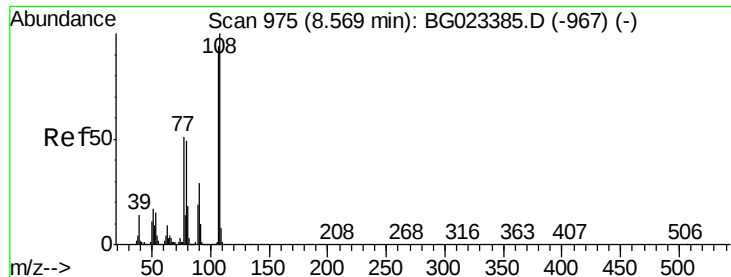
Ion Ratio Lower Upper

45 100

77 14.4 0.6 40.6

79 10.8 0.0 36.2





#17

2-Methylphenol

Concen: 37.86 ng

RT: 8.57 min Scan# 975

Delta R.T. -0.00 min

Lab File: BG023401.D

Acq: 2 Aug 2016 18:19

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion:107 Resp: 398757

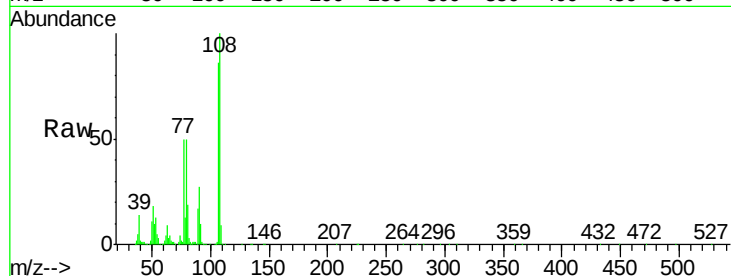
Ion Ratio Lower Upper

107 100

108 116.9 92.0 138.0

77 58.5 55.8 83.6

79 58.4 55.0 82.6

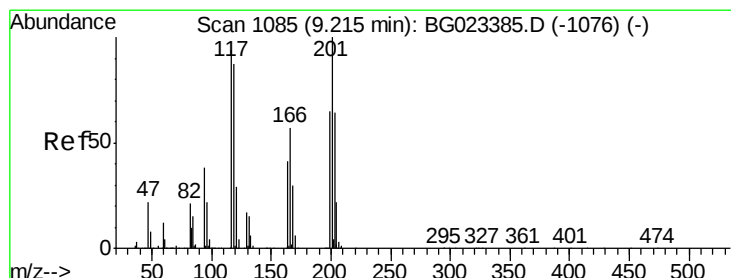
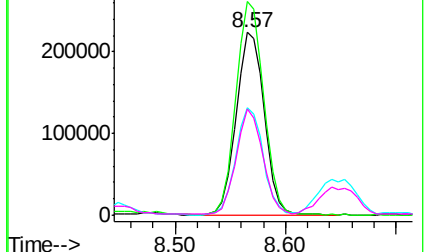
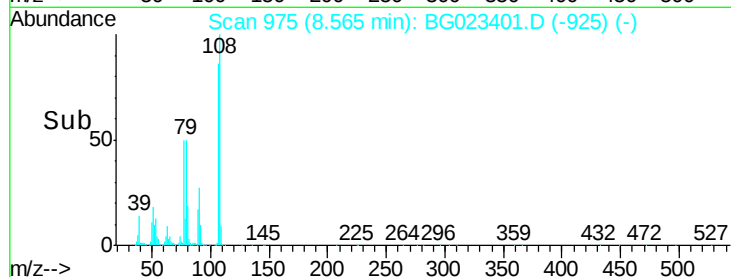


Abundance Ion 107.00 (106.70 to 107.70): E

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: 38.89 ng

RT: 9.21 min Scan# 1085

Delta R.T. -0.00 min

Lab File: BG023401.D

Acq: 2 Aug 2016 18:19

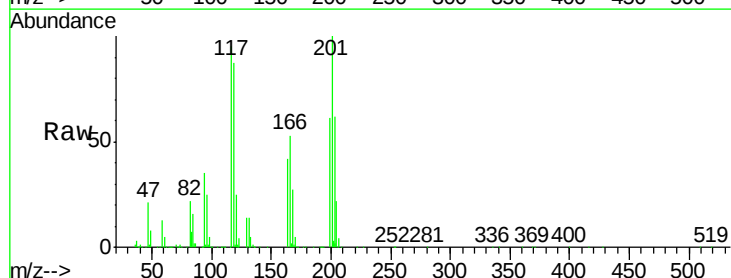
Tgt Ion:117 Resp: 185817

Ion Ratio Lower Upper

117 100

119 91.1 73.7 110.5

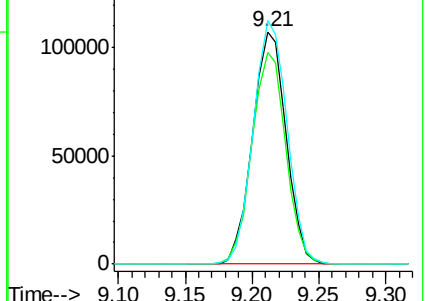
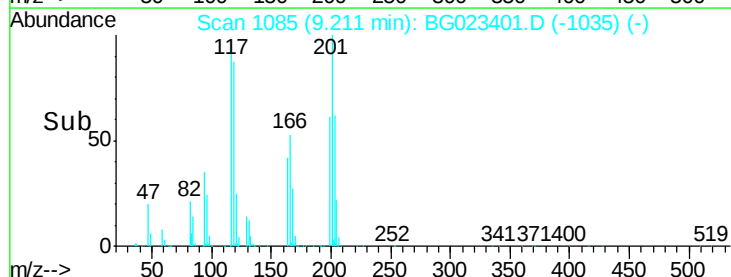
201 104.7 88.7 133.1

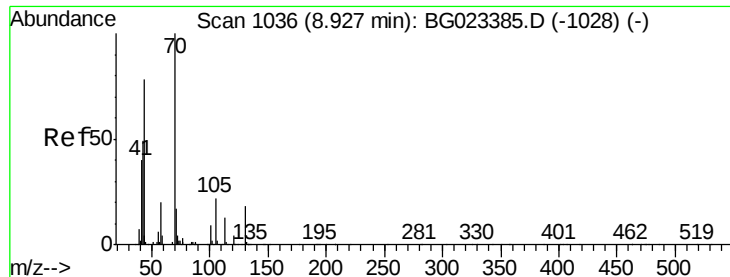


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

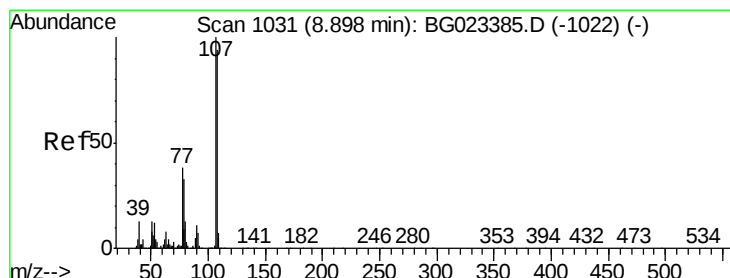
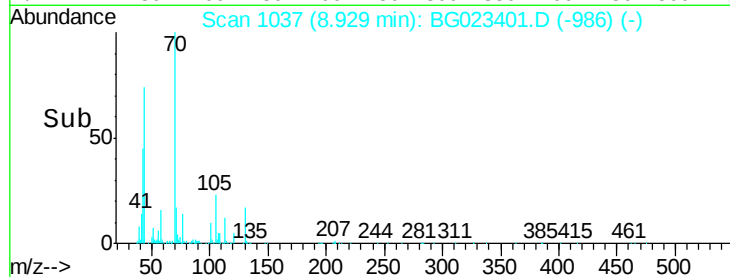
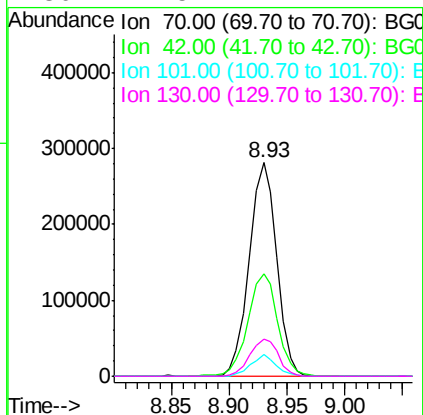
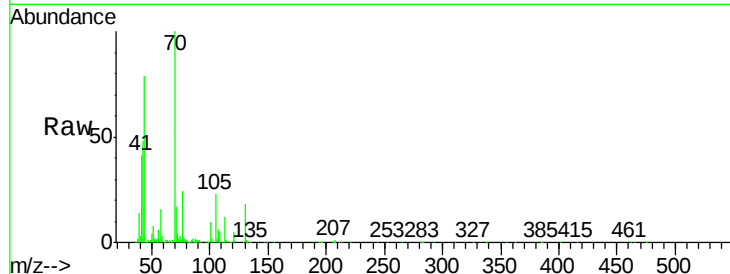




#19
n-Nitroso-di-n-propylamine
Concen: 37.11 ng
RT: 8.93 min Scan# 1037
Delta R.T. 0.00 min
Lab File: BG023401.D
Acq: 2 Aug 2016 18:19

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:	70	Resp:	468710
Ion	Ratio	Lower	Upper
70	100		
42	48.1	42.1	63.1
101	9.9	7.2	10.8
130	17.5	14.2	21.2



#20
3+4-Methylphenols
Concen: 39.25 ng
RT: 8.90 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BG023401.D
Acq: 2 Aug 2016 18:19

Tgt Ion:	107	Resp:	582728
Ion	Ratio	Lower	Upper
107	100		
108	92.8	72.5	112.5
77	41.6	30.1	70.1
79	37.3	24.2	64.2

