

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080316\
 Data File : BG023429.D
 Acq On : 3 Aug 2016 17:16
 Operator : UM/SJ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 04 02:31:57 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	118299	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	570166	20.00	ng	0.00
38) Acenaphthene-d10	14.78	164	432248	20.00	ng	0.00
63) Phenanthrene-d10	17.54	188	1068882	20.00	ng	0.00
75) Chrysene-d12	21.86	240	1064805	20.00	ng	0.00
86) Perylene-d12	25.24	264	1057687	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.66	112	555716	79.07	ng	0.00
7) Phenol-d6	7.28	99	877384	80.15	ng	0.00
23) Nitrobenzene-d5	9.30	82	895111	78.05	ng	0.00
41) 2,4,6-Tribromophenol	16.28	330	529486	83.75	ng	0.00
44) 2-Fluorobiphenyl	13.40	172	1922278	75.01	ng	0.00
78) Terphenyl-d14	20.15	244	2717346	78.37	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	107906	36.04	ng	# 93
3) Pyridine	3.93	79	349401	35.51	ng	95
4) n-Nitrosodimethylamine	3.84	42	135657	37.19	ng	# 73
6) Aniline	7.43	93	538746	34.07	ng	95
8) 2-Chlorophenol	7.68	128	307262	38.06	ng	97
9) Benzaldehyde	7.25	77	261684	42.77	ng	93
10) Phenol	7.30	94	438472	37.44	ng	87
11) bis(2-Chloroethyl)ether	7.53	93	342453	36.66	ng	90
12) 1,3-Dichlorobenzene	8.00	146	341638	36.96	ng	94
13) 1,4-Dichlorobenzene	8.16	146	352251	37.22	ng	96
14) 1,2-Dichlorobenzene	8.47	146	339603	36.58	ng	94
15) Benzyl Alcohol	8.36	79	344032	41.48	ng	93
16) 2,2'-oxybis(1-Chloropropan	8.64	45	502526	36.58	ng	89
17) 2-Methylphenol	8.56	107	303847	38.70	ng	# 84
18) Hexachloroethane	9.21	117	136423	38.30	ng	98
19) n-Nitroso-di-n-propylamine	8.93	70	349884	37.16	ng	98
20) 3+4-Methylphenols	8.90	107	425326	38.43	ng	94
22) Acetophenone	8.95	105	584237	37.42	ng	# 89
24) Nitrobenzene	9.34	77	517653	40.76	ng	# 90
25) Isophorone	9.86	82	980730	41.05	ng	# 93
26) 2-Nitrophenol	10.05	139	216359	40.37	ng	# 81
27) 2,4-Dimethylphenol	10.11	122	353295	38.71	ng	89
28) bis(2-Chloroethoxy)methane	10.34	93	500760	34.87	ng	98
29) 2,4-Dichlorophenol	10.60	162	365234	39.80	ng	99
30) 1,2,4-Trichlorobenzene	10.81	180	379825	38.38	ng	96
31) Naphthalene	11.00	128	1092931	37.64	ng	99
32) Benzoic acid	10.26	122	300995	37.46	ng	# 89
33) 4-Chloroaniline	11.11	127	493374	35.55	ng	93
34) Hexachlorobutadiene	11.28	225	253551	38.95	ng	97
35) Caprolactam	11.90	113	153406	39.73	ng	94
36) 4-Chloro-3-methylphenol	12.23	107	490972	40.72	ng	95
37) 2-Methylnaphthalene	12.83	142	829142	37.56	ng	91
39) 1,2,4,5-Tetrachlorobenzene	12.97	216	588315	37.53	ng	99
40) Hexachlorocyclopentadiene	12.94	237	279134	35.31	ng	98

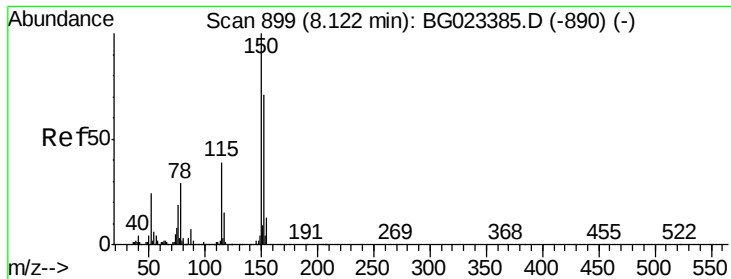
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080316\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.22	196	360255	38.58	ng	97
43) 2,4,5-Trichlorophenol	13.29	196	384516	40.00	ng	91
45) 1,1'-Biphenyl	13.61	154	1213955	36.74	ng	97
46) 2-Chloronaphthalene	13.66	162	942945	36.89	ng	96
47) 2-Nitroaniline	13.87	65	395436	37.26	ng	90
48) Acenaphthylene	14.51	152	1523654	37.71	ng	97
49) Dimethylphthalate	14.23	163	1330309	40.11	ng	98
50) 2,6-Dinitrotoluene	14.35	165	307081	39.10	ng	86
51) Acenaphthene	14.85	154	969891	37.89	ng	99
52) 3-Nitroaniline	14.70	138	319530	36.08	ng	78
53) 2,4-Dinitrophenol	14.90	184	201924	40.11	ng	87
54) Dibenzofuran	15.18	168	1415512	38.09	ng	95
55) 4-Nitrophenol	15.01	139	264146	37.98	ng	# 83
56) 2,4-Dinitrotoluene	15.15	165	448661	40.70	ng	93
57) Fluorene	15.83	166	1260727	38.87	ng	98
58) 2,3,4,6-Tetrachlorophenol	15.41	232	350269	39.71	ng	96
59) Diethylphthalate	15.59	149	1352123	40.16	ng	96
60) 4-Chlorophenyl-phenylether	15.82	204	665698	38.79	ng	98
61) 4-Nitroaniline	15.86	138	340156	36.08	ng	# 67
62) Azobenzene	16.12	77	1309113	38.36	ng	90
64) 4,6-Dinitro-2-methylphenol	15.92	198	303990	41.83	ng	92
65) n-Nitrosodiphenylamine	16.04	169	1155249	36.85	ng	97
66) 4-Bromophenyl-phenylether	16.72	248	484011	38.85	ng	94
67) Hexachlorobenzene	16.85	284	513501	37.68	ng	96
68) Atrazine	16.99	200	474859	39.45	ng	96
69) Pentachlorophenol	17.19	266	321799	40.50	ng	98
70) Phenanthrene	17.59	178	2022639	37.29	ng	97
71) Anthracene	17.68	178	2054511	37.66	ng	96
72) Carbazole	17.96	167	1877122	39.19	ng	97
73) Di-n-butylphthalate	18.49	149	2148678	44.07	ng	98
74) Fluoranthene	19.60	202	2313307	45.44	ng	95
76) Benzidine	19.78	184	1227615	41.47	ng	99
77) Pyrene	19.96	202	2308103	36.64	ng	97
79) Butylbenzylphthalate	20.84	149	1007830	39.31	ng	94
80) Benzo(a)anthracene	21.84	228	2216981	37.72	ng	98
81) 3,3'-Dichlorobenzidine	21.75	252	914422	37.93	ng	# 97
82) Chrysene	21.91	228	2126781	38.03	ng	97
83) Bis(2-ethylhexyl)phthalate	21.72	149	1357642	38.67	ng	99
84) Di-n-octyl phthalate	22.98	149	2222685	37.09	ng	99
85) Indeno(1,2,3-cd)pyrene	29.11	276	2667438	38.17	ng	# 100
87) Benzo(b)fluoranthene	24.16	252	2228451	37.45	ng	# 97
88) Benzo(k)fluoranthene	24.24	252	2226609	38.96	ng	# 97
89) Benzo(a)pyrene	25.08	252	2167199	38.29	ng	# 97
90) Dibenzo(a,h)anthracene	29.17	278	2238037	38.71	ng	# 93
91) Benzo(g,h,i)perylene	30.33	276	2182146	37.48	ng	# 92

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

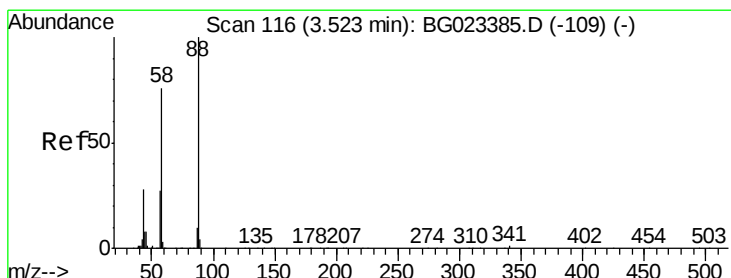
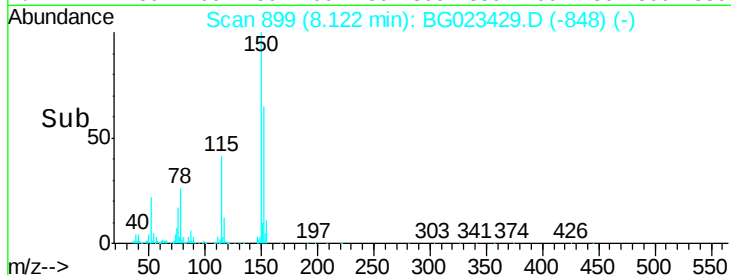
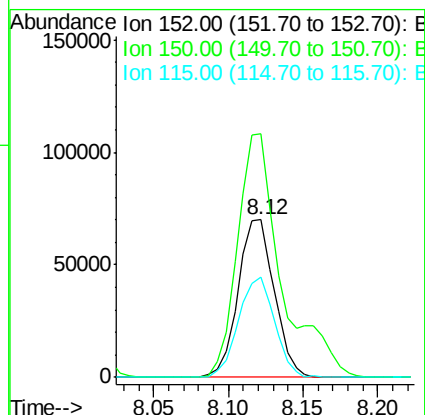
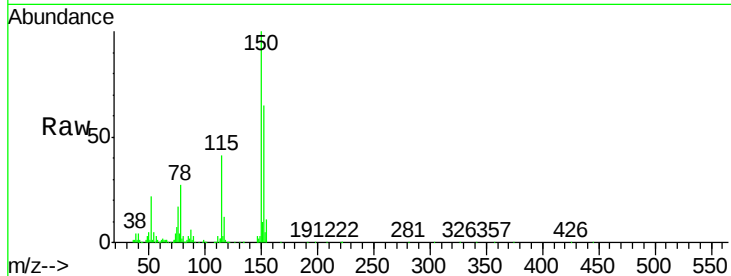


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.12 min Scan# 899
Delta R.T. -0.00 min
Lab File: BG023429.D
Acq: 3 Aug 2016 17:16

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

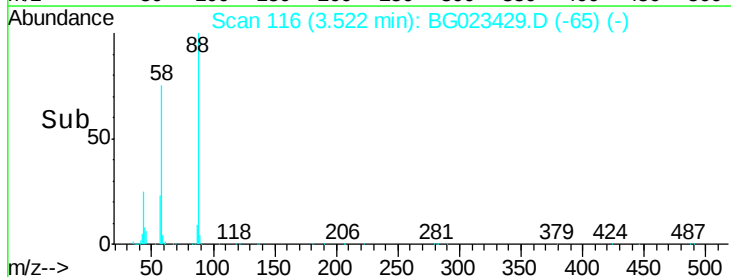
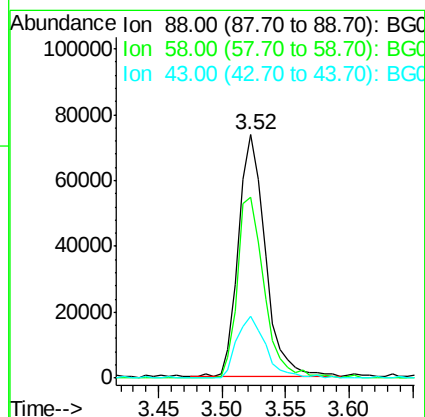
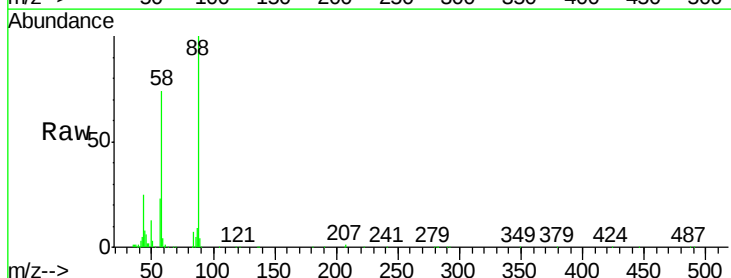
Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.3	144.7	217.1
115	63.8	64.0	96.0

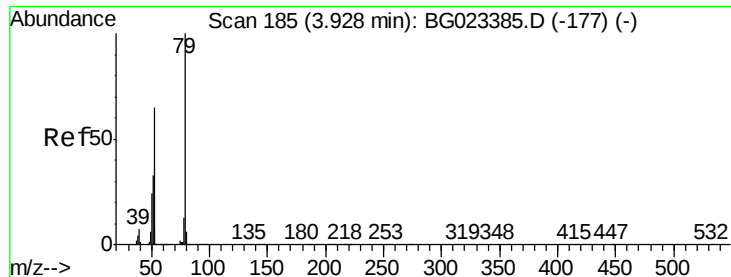


#2

1,4-Dioxane
Concen: 36.04 ng
RT: 3.52 min Scan# 116
Delta R.T. -0.00 min
Lab File: BG023429.D
Acq: 3 Aug 2016 17:16

Tgt Ion	Ratio	Lower	Upper
88	100		
58	74.6	60.4	90.6
43	27.2	31.1	46.7





#3

Pyridine

Concen: 35.51 ng

RT: 3.93 min Scan# 185

Delta R.T. -0.00 min

Lab File: BG023429.D

Acq: 3 Aug 2016 17:16

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

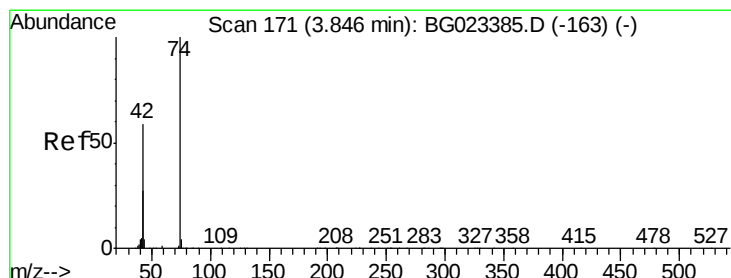
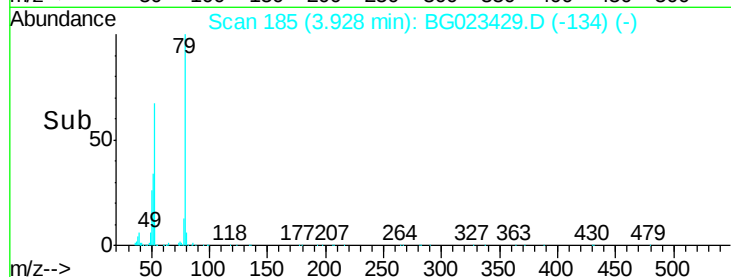
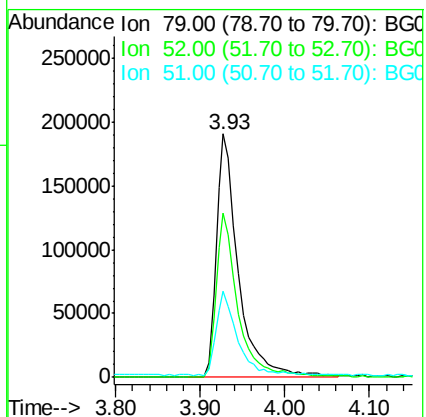
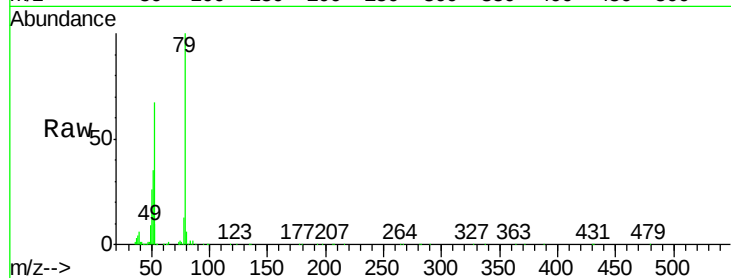
Tgt Ion: 79 Resp: 349401

Ion Ratio Lower Upper

79 100

52 67.2 51.8 77.8

51 35.4 32.7 49.1



#4

n-Nitrosodimethylamine

Concen: 37.19 ng

RT: 3.84 min Scan# 170

Delta R.T. -0.01 min

Lab File: BG023429.D

Acq: 3 Aug 2016 17:16

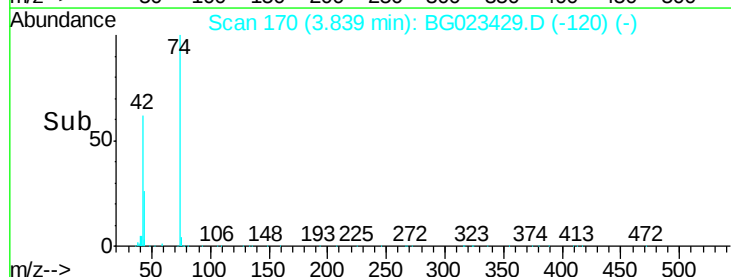
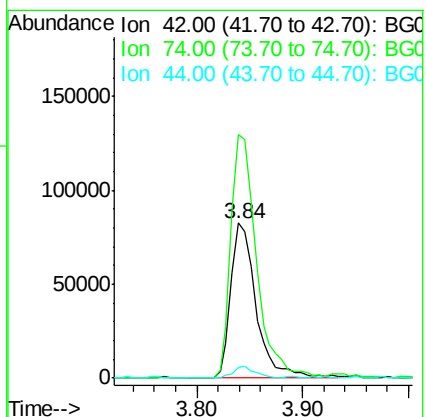
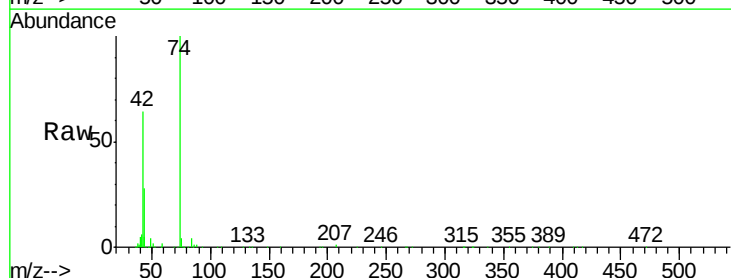
Tgt Ion: 42 Resp: 135657

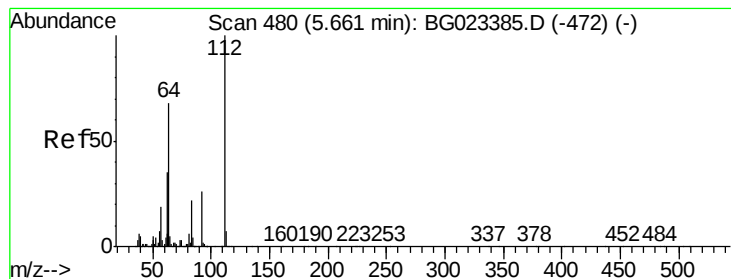
Ion Ratio Lower Upper

42 100

74 157.1 100.6 150.8#

44 7.2 4.5 6.7#





#5

2-Fluorophenol

Concen: 79.07 ng

RT: 5.66 min Scan# 480

Delta R.T. 0.00 min

Lab File: BG023429.D

Acq: 3 Aug 2016 17:16

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

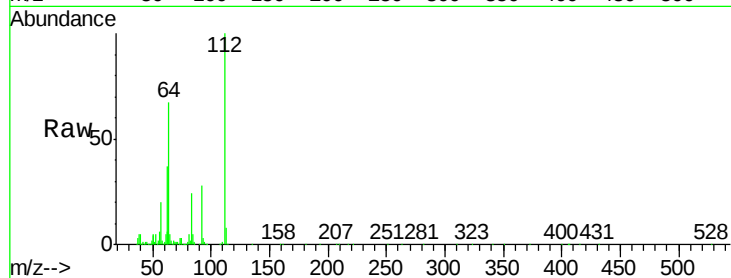
Tgt Ion: 112 Resp: 555716

Ion Ratio Lower Upper

112 100

64 67.4 59.0 88.4

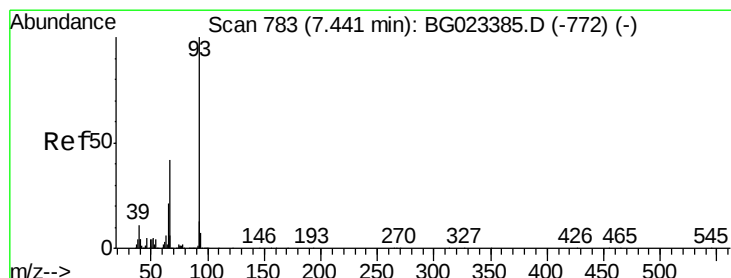
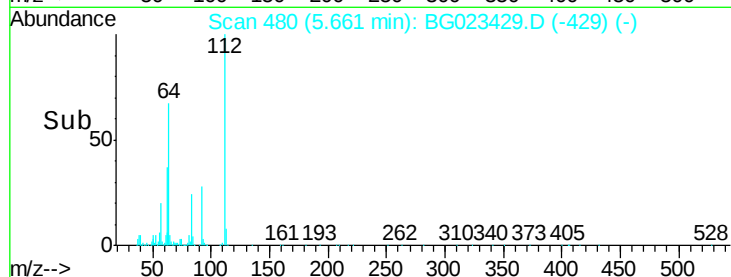
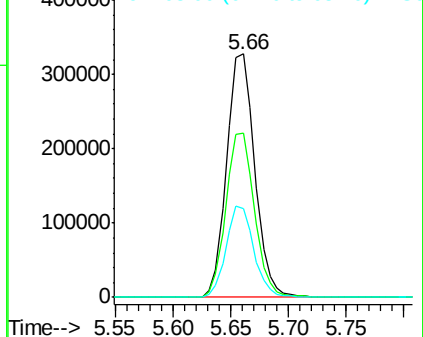
63 36.7 37.8 56.8#



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: 34.07 ng

RT: 7.43 min Scan# 782

Delta R.T. -0.01 min

Lab File: BG023429.D

Acq: 3 Aug 2016 17:16

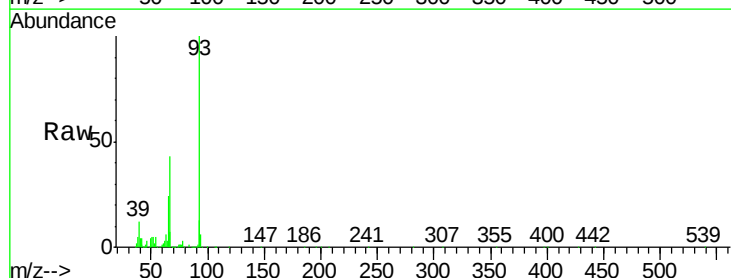
Tgt Ion: 93 Resp: 538746

Ion Ratio Lower Upper

93 100

66 43.1 37.5 56.3

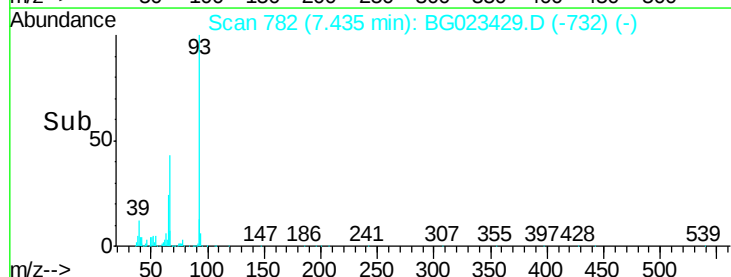
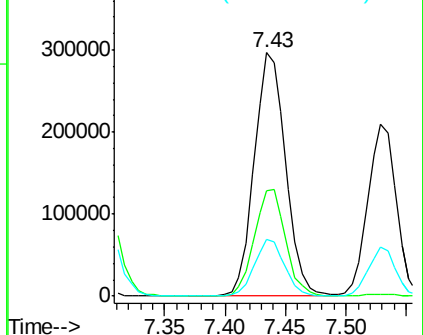
65 23.5 17.9 26.9

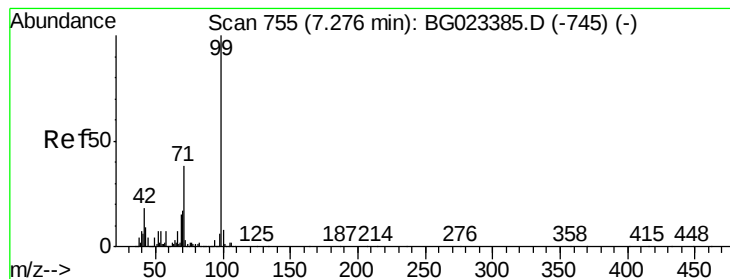


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 80.15 ng

RT: 7.28 min Scan# 755

Delta R.T. -0.00 min

Lab File: BG023429.D

Acq: 3 Aug 2016 17:16

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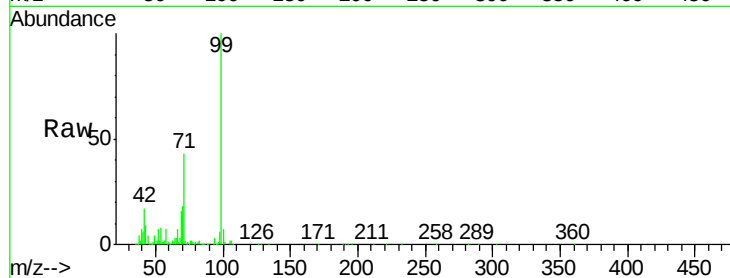
Tgt Ion: 99 Resp: 877384

Ion Ratio Lower Upper

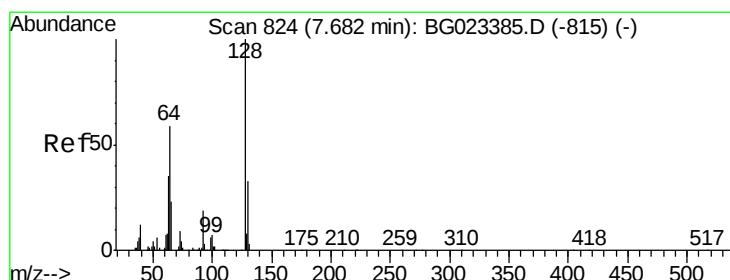
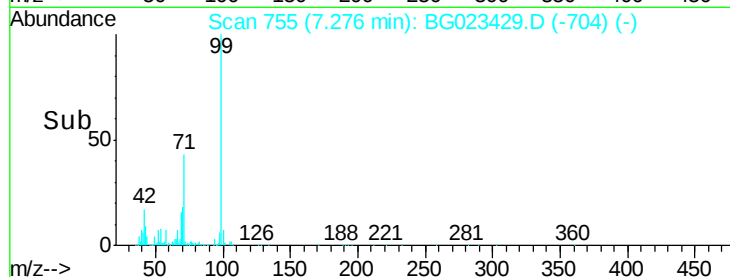
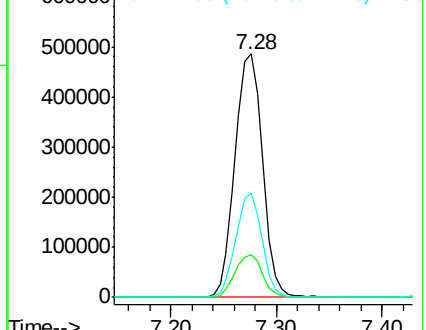
99 100

42 17.4 17.8 26.6#

71 42.6 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: 38.06 ng

RT: 7.68 min Scan# 824

Delta R.T. -0.00 min

Lab File: BG023429.D

Acq: 3 Aug 2016 17:16

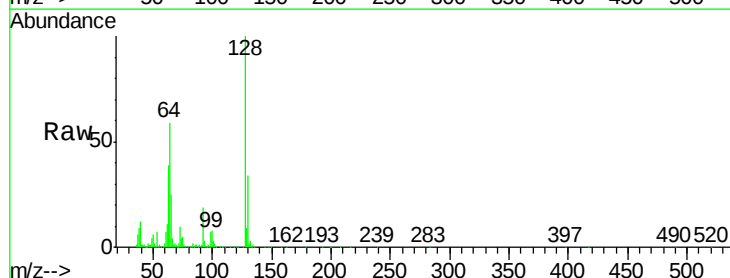
Tgt Ion: 128 Resp: 307262

Ion Ratio Lower Upper

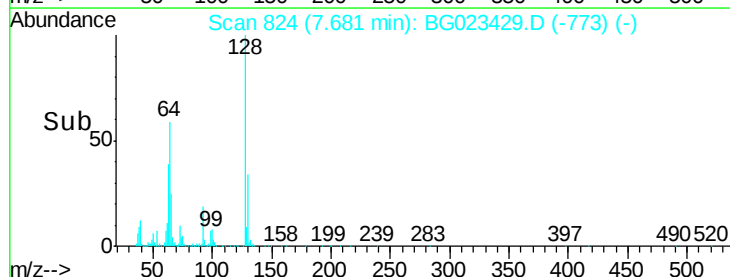
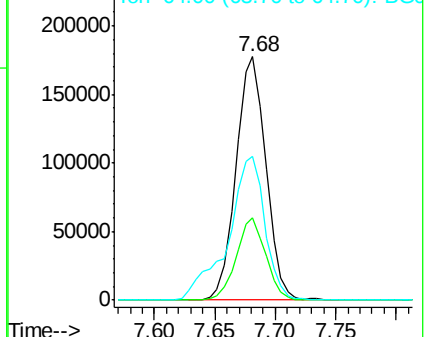
128 100

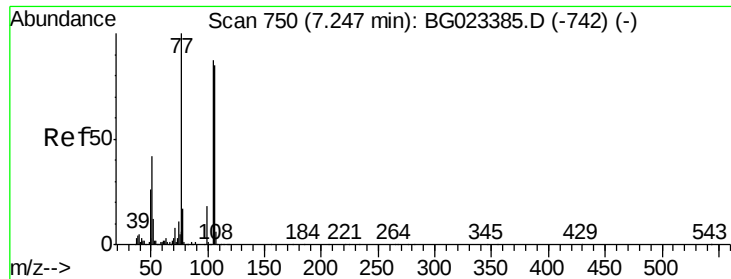
130 33.9 12.9 52.9

64 59.1 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: 42.77 ng

RT: 7.25 min Scan# 750

Delta R.T. -0.00 min

Lab File: BG023429.D

Acq: 3 Aug 2016 17:16

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

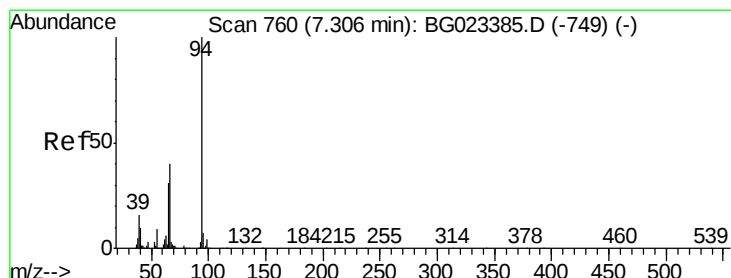
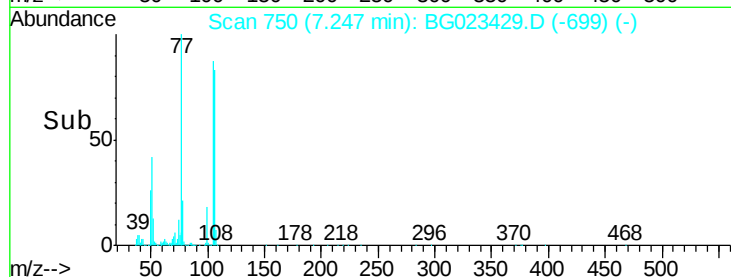
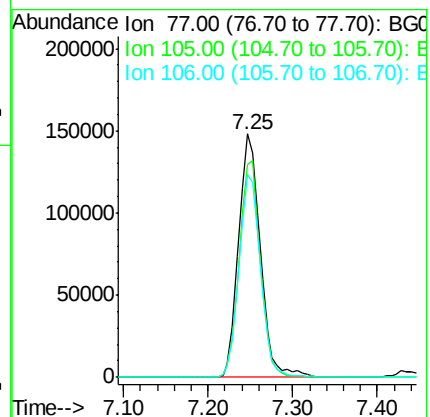
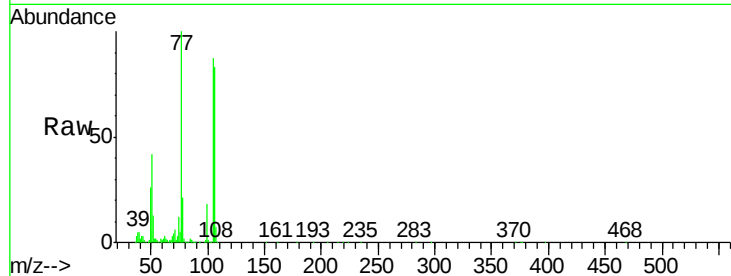
Tgt Ion: 77 Resp: 261684

Ion Ratio Lower Upper

77 100

105 87.3 58.7 98.7

106 83.0 67.5 107.5



#10

Phenol

Concen: 37.44 ng

RT: 7.30 min Scan# 759

Delta R.T. -0.01 min

Lab File: BG023429.D

Acq: 3 Aug 2016 17:16

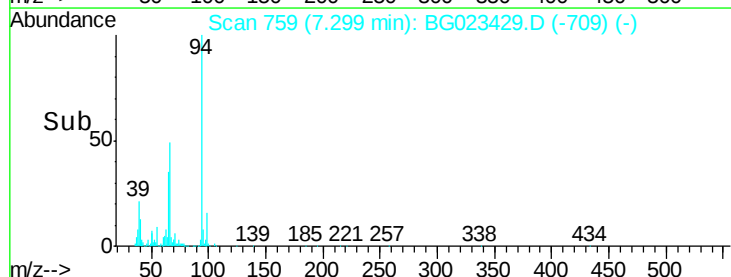
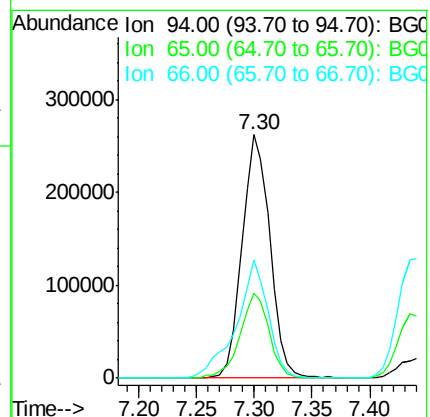
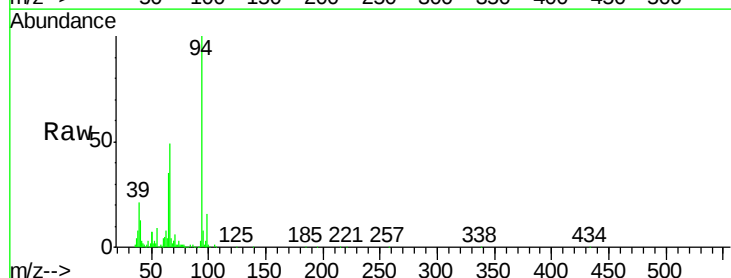
Tgt Ion: 94 Resp: 438472

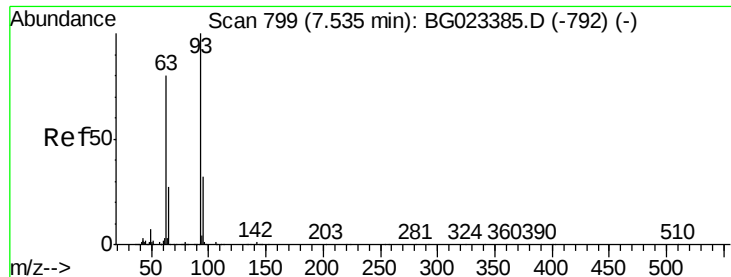
Ion Ratio Lower Upper

94 100

65 35.1 18.1 58.1

66 48.7 42.1 82.1

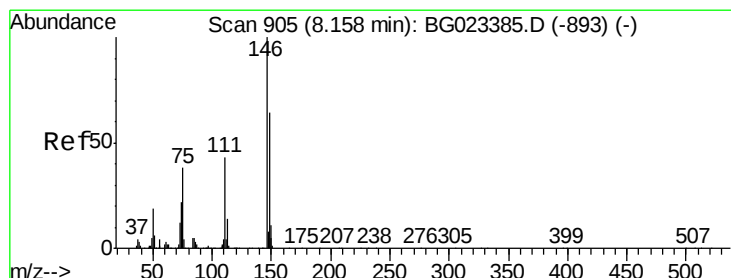
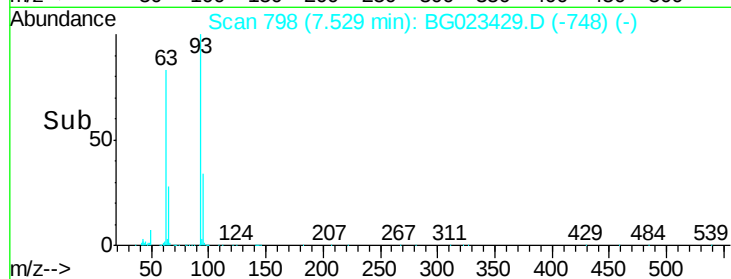
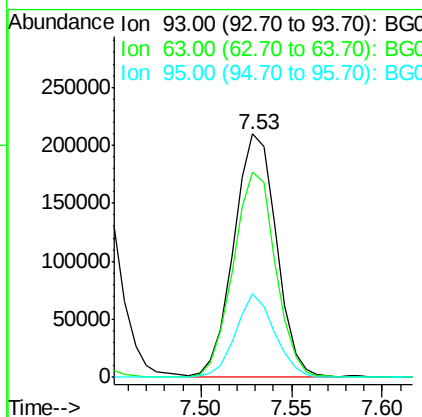
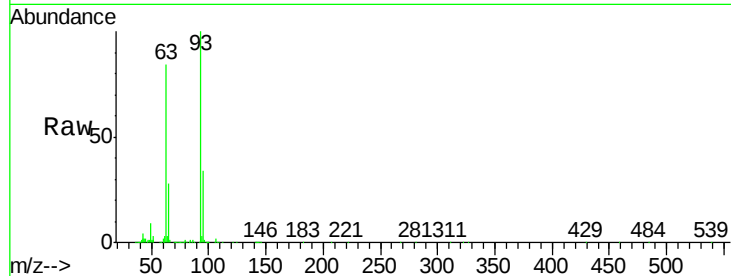




#11
bis(2-Chloroethyl)ether
Concen: 36.66 ng
RT: 7.53 min Scan# 798
Delta R.T. -0.01 min
Lab File: BG023429.D
Acq: 3 Aug 2016 17:16

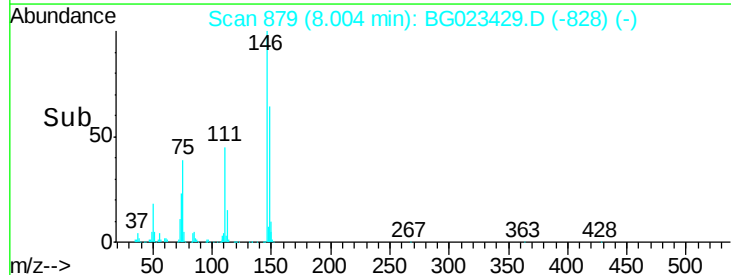
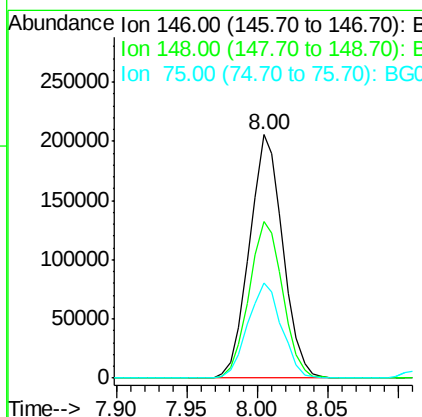
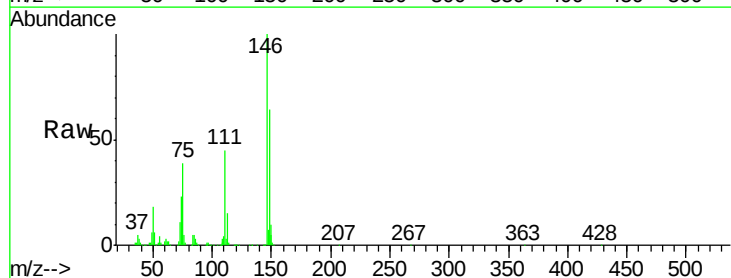
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

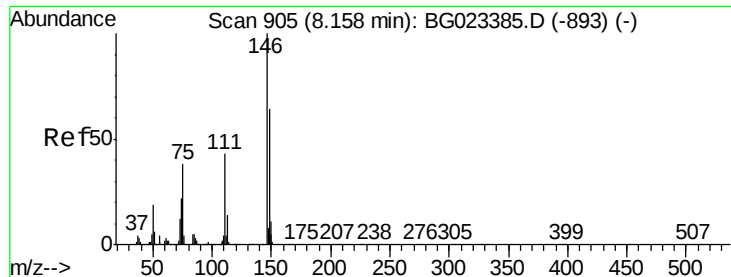
Tgt Ion: 93 Resp: 342453
Ion Ratio Lower Upper
93 100
63 84.3 55.0 95.0
95 34.4 11.0 51.0



#12
1,3-Dichlorobenzene
Concen: 36.96 ng
RT: 8.00 min Scan# 879
Delta R.T. -0.00 min
Lab File: BG023429.D
Acq: 3 Aug 2016 17:16

Tgt Ion: 146 Resp: 341638
Ion Ratio Lower Upper
146 100
148 64.2 50.3 75.5
75 39.0 37.0 55.6

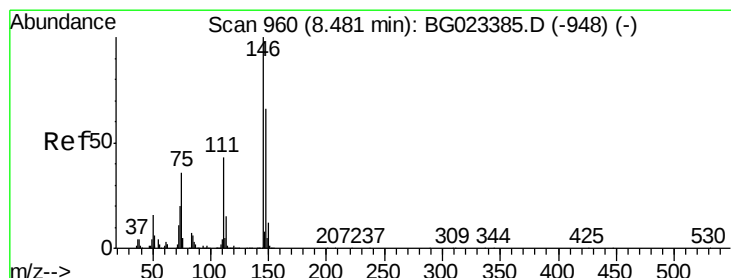
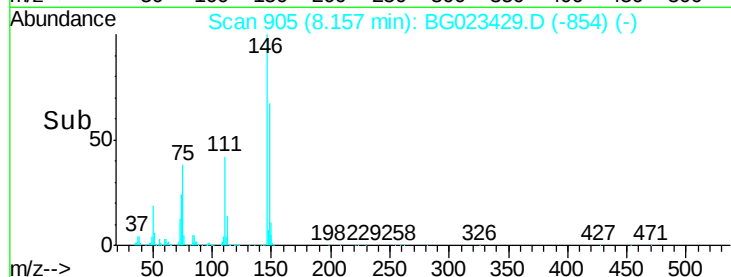
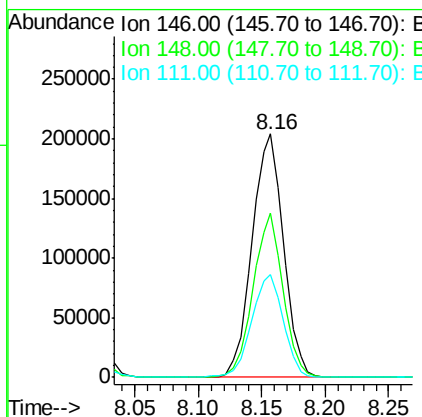
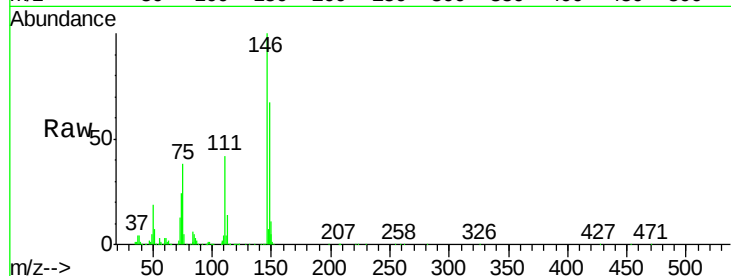




#13
 1,4-Dichlorobenzene
 Concen: 37.22 ng
 RT: 8.16 min Scan# 905
 Delta R.T. -0.00 min
 Lab File: BG023429.D
 Acq: 3 Aug 2016 17:16

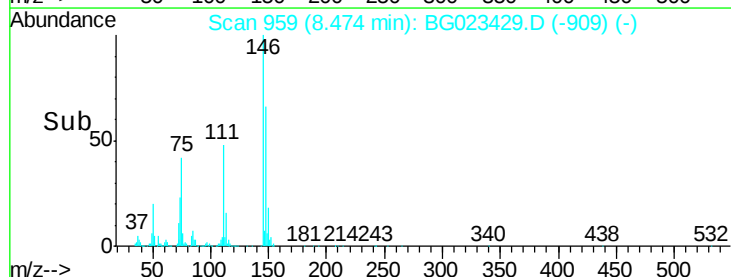
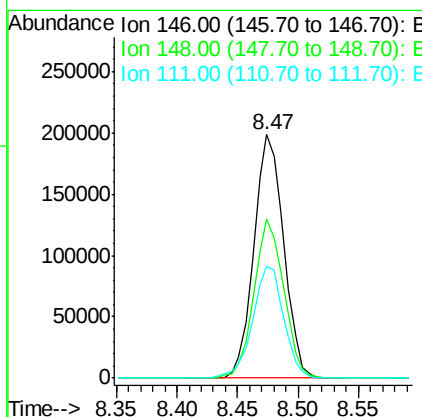
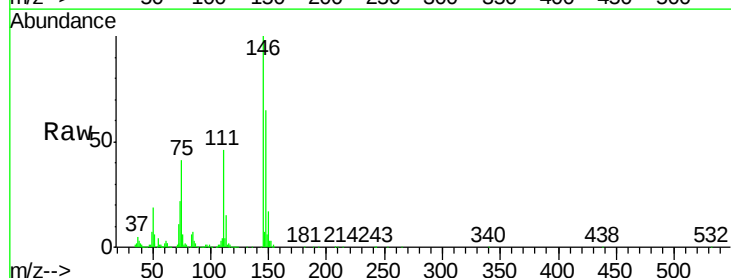
Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040

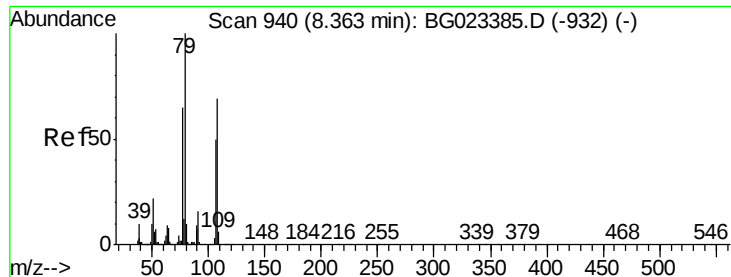
Tgt Ion	Ratio	Lower	Upper
146	100		
148	67.3	54.5	81.7
111	42.4	37.8	56.8



#14
 1,2-Dichlorobenzene
 Concen: 36.58 ng
 RT: 8.47 min Scan# 959
 Delta R.T. -0.01 min
 Lab File: BG023429.D
 Acq: 3 Aug 2016 17:16

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.3	52.9	79.3
111	45.9	43.5	65.3





#15

Benzyl Alcohol

Concen: 41.48 ng

RT: 8.36 min Scan# 939

Delta R.T. -0.01 min

Lab File: BG023429.D

Acq: 3 Aug 2016 17:16

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

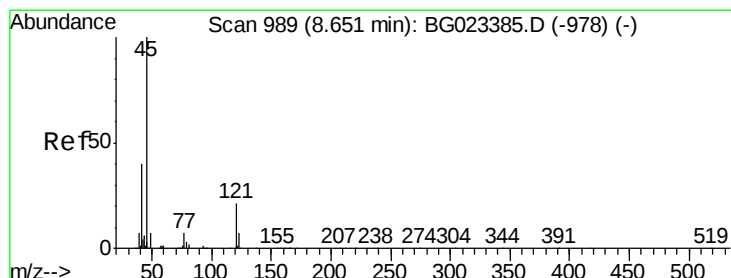
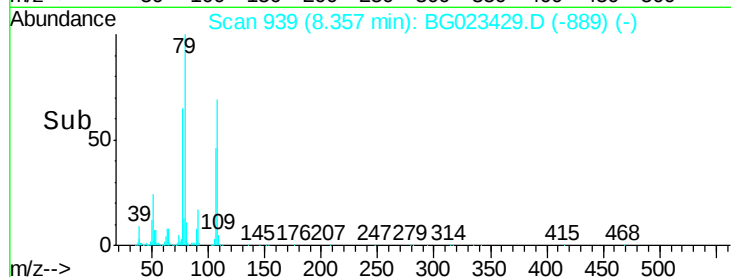
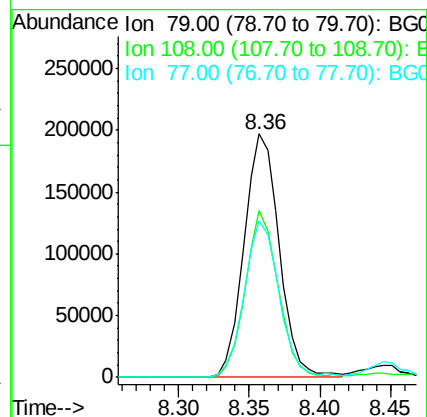
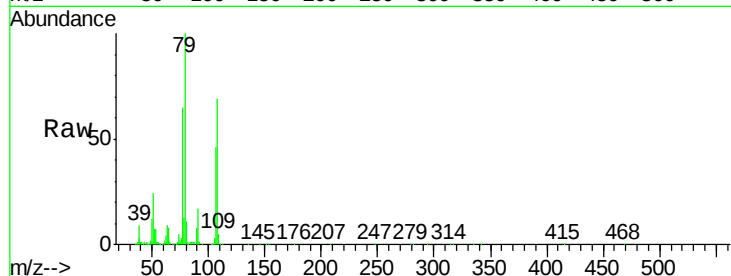
Tgt Ion: 79 Resp: 344032

Ion Ratio Lower Upper

79 100

108 68.8 46.5 69.7

77 64.6 52.3 78.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.58 ng

RT: 8.64 min Scan# 988

Delta R.T. -0.01 min

Lab File: BG023429.D

Acq: 3 Aug 2016 17:16

Tgt Ion: 45 Resp: 502526

Ion Ratio Lower Upper

45 100

77 16.0 0.6 40.6

79 11.1 0.0 36.2

