

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG102319\
 Data File : BG043323.D
 Acq On : 24 Oct 2019 00:27
 Operator : JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Oct 24 06:54:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	39251	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	165901	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	126933	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	299063	20.00	ng	0.00
76) Chrysene-d12	21.67	240	326538	20.00	ng	0.00
87) Perylene-d12	24.86	264	383945	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	151167	70.57	ng	0.00
7) Phenol-d6	7.20	99	226707	73.56	ng	0.00
23) Nitrobenzene-d5	9.19	82	230108	71.51	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	167150	69.20	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	645067	70.22	ng	0.00
79) Terphenyl-d14	20.01	244	1249434	71.78	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.49	88	30128	36.094	ng	97
3) Pyridine	3.89	79	84264	40.019	ng	98
4) n-Nitrosodimethylamine	3.80	42	37241	35.050	ng	# 90
6) Aniline	7.35	93	135368	38.130	ng	93
8) 2-Chlorophenol	7.59	128	85737	36.260	ng	99
9) Benzaldehyde	7.16	77	54819	36.195	ng	87
10) Phenol	7.22	94	103684	36.818	ng	97
11) bis(2-Chloroethyl)ether	7.44	93	80582	37.010	ng	90
12) 1,3-Dichlorobenzene	7.92	146	105020	35.449	ng	94
13) 1,4-Dichlorobenzene	8.06	146	109254	36.450	ng	99
14) 1,2-Dichlorobenzene	8.38	146	103196	35.261	ng	98
15) Benzyl Alcohol	8.26	79	78297	36.175	ng	92
16) 2,2'-oxybis(1-Chloropropan	8.55	45	114871	36.283	ng	98
17) 2-Methylphenol	8.47	107	77330	37.667	ng	97
18) Hexachloroethane	9.11	117	39371	36.407	ng	97
19) n-Nitroso-di-n-propylamine	8.83	70	73111	36.713	ng	94
20) 3+4-Methylphenols	8.80	107	103071	36.613	ng	96
22) Acetophenone	8.84	105	154784	36.432	ng	97
24) Nitrobenzene	9.23	77	112745	36.779	ng	# 95
25) Isophorone	9.75	82	212756	36.162	ng	98
26) 2-Nitrophenol	9.94	139	53009	35.818	ng	97
27) 2,4-Dimethylphenol	10.00	122	74388	35.069	ng	96
28) bis(2-Chloroethoxy)methane	10.23	93	116403	35.848	ng	98
29) 2,4-Dichlorophenol	10.48	162	98026	36.068	ng	93
30) 1,2,4-Trichlorobenzene	10.69	180	120308	35.122	ng	98
31) Naphthalene	10.88	128	299488	35.564	ng	99
32) Benzoic acid	10.16	122	52045	35.125	ng	89
33) 4-Chloroaniline	10.99	127	122894	35.602	ng	95
34) Hexachlorobutadiene	11.17	225	87852	34.694	ng	95
35) Caprolactam	11.76	113	36330	38.813	ng	# 82
36) 4-Chloro-3-methylphenol	12.12	107	109400	36.902	ng	98
37) 2-Methylnaphthalene	12.48	142	230646	35.696	ng	95
38) 1-Methylnaphthalene	12.70	142	222568	36.203	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.85	216	166188	35.377	ng	98

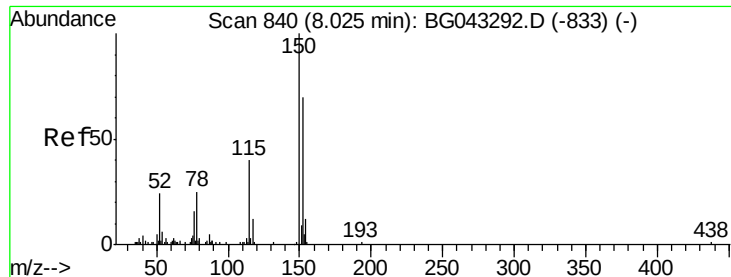
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG102319\
 Data File : BG043323.D
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 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.83	237	83357	33.780	ng	93
43) 2,4,6-Trichlorophenol	13.09	196	97862	35.374	ng	97
44) 2,4,5-Trichlorophenol	13.17	196	101698	36.362	ng	96
46) 1,1'-Biphenyl	13.49	154	336553	34.853	ng	98
47) 2-Chloronaphthalene	13.53	162	255145	34.727	ng	99
48) 2-Nitroaniline	13.73	65	79611	36.254	ng	92
49) Acenaphthylene	14.37	152	403710	35.305	ng	99
50) Dimethylphthalate	14.10	163	345084	35.099	ng	98
51) 2,6-Dinitrotoluene	14.22	165	76826	35.968	ng	95
52) Acenaphthene	14.71	154	242097	34.717	ng	98
53) 3-Nitroaniline	14.56	138	74844	36.293	ng	# 96
54) 2,4-Dinitrophenol	14.77	184	37239	32.661	ng	99
55) Dibenzofuran	15.05	168	395727	34.994	ng	98
56) 4-Nitrophenol	14.88	139	47525	34.390	ng	95
57) 2,4-Dinitrotoluene	15.01	165	111271	36.452	ng	93
58) Fluorene	15.70	166	332461	35.053	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.28	232	107754	36.262	ng	# 99
60) Diethylphthalate	15.47	149	347360	35.162	ng	97
61) 4-Chlorophenyl-phenylether	15.69	204	195129	35.266	ng	96
62) 4-Nitroaniline	15.73	138	79409	37.286	ng	97
63) Azobenzene	15.98	77	280337	35.063	ng	97
65) 4,6-Dinitro-2-methylphenol	15.78	198	62299	35.397	ng	95
66) n-Nitrosodiphenylamine	15.91	169	296948	35.170	ng	98
67) 4-Bromophenyl-phenylether	16.58	248	140976	35.028	ng	96
68) Hexachlorobenzene	16.71	284	161429	34.942	ng	97
69) Atrazine	16.85	200	97292	33.162	ng	95
70) Pentachlorophenol	17.05	266	81178	38.563	ng	93
71) Phenanthrene	17.44	178	535179	34.946	ng	99
72) Anthracene	17.53	178	539091	35.184	ng	98
73) Carbazole	17.80	167	494043	35.606	ng	100
74) Di-n-butylphthalate	18.35	149	598365	35.541	ng	99
75) Fluoranthene	19.44	202	706780	35.401	ng	98
77) Benzidine	19.63	184	197033	29.982	ng	98
78) Pyrene	19.81	202	718093	35.528	ng	99
80) Butylbenzylphthalate	20.69	149	272180	35.544	ng	98
81) Benzo(a)anthracene	21.64	228	726638	35.525	ng	99
82) 3,3'-Dichlorobenzidine	21.56	252	289492	36.592	ng	97
83) Chrysene	21.71	228	716016	35.232	ng	99
84) Bis(2-ethylhexyl)phthalate	21.55	149	386877	35.566	ng	100
85) Di-n-octyl phthalate	22.75	149	655429	35.515	ng	99
86) Indeno(1,2,3-cd)pyrene	28.50	276	908924	35.630	ng	# 93
88) Benzo(b)fluoranthene	23.84	252	755956	34.764	ng	99
89) Benzo(k)fluoranthene	23.92	252	769225	35.138	ng	97
90) Benzo(a)pyrene	24.71	252	731936	35.248	ng	100
91) Dibenzo(a,h)anthracene	28.56	278	752485	35.428	ng	99
92) Benzo(g,h,i)perylene	29.64	276	740226	35.331	ng	97

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

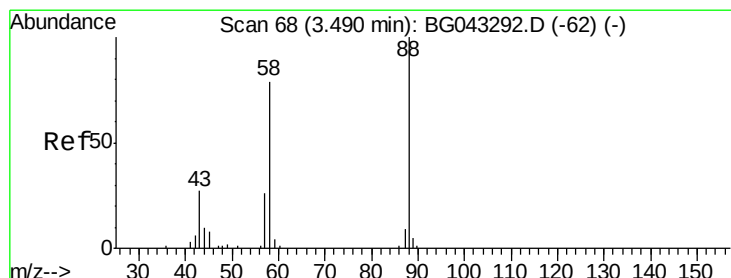
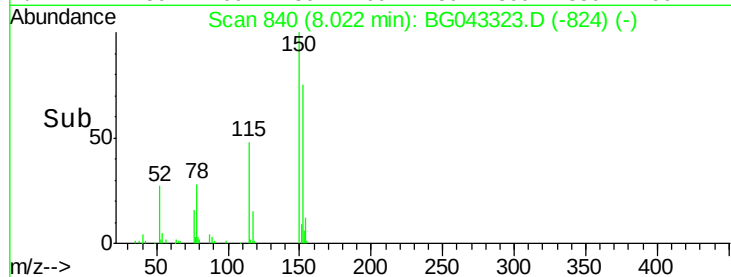
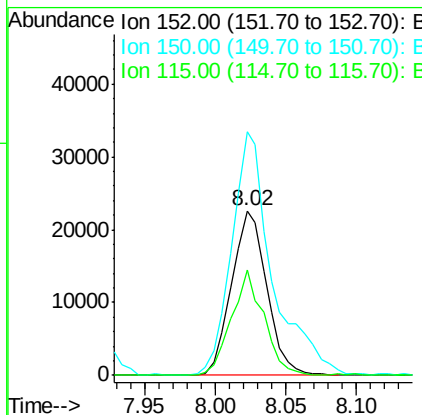
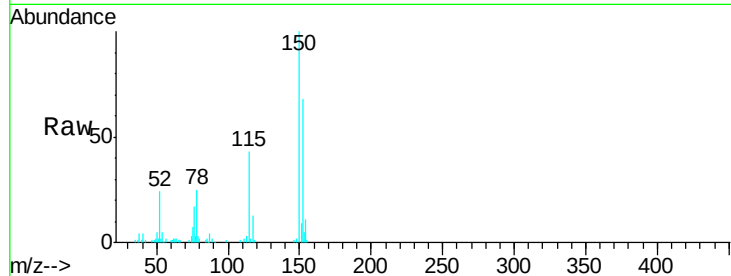


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043323.D
Acq: 24 Oct 2019 00:27

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040EC

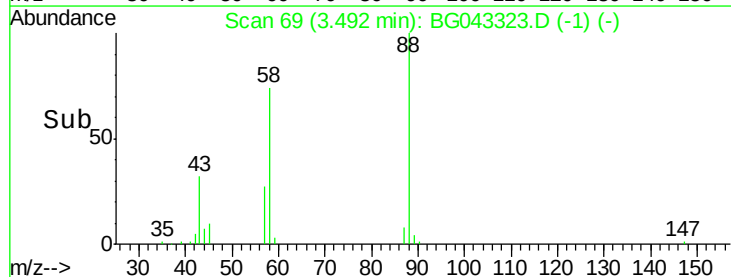
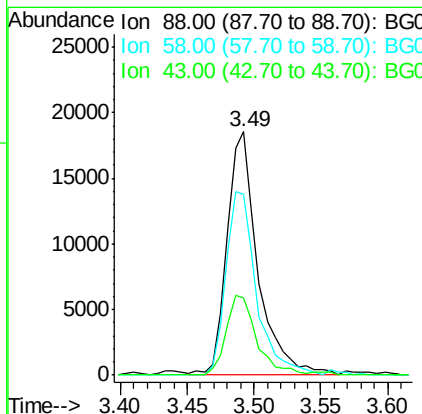
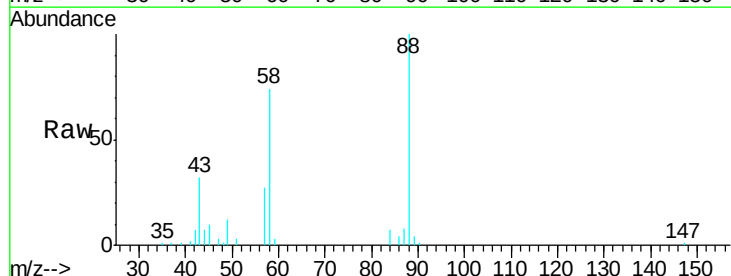
Tgt Ion:152 Resp: 39251
Ion Ratio Lower Upper
152 100
150 147.7 113.6 170.4
115 63.8 45.9 68.9

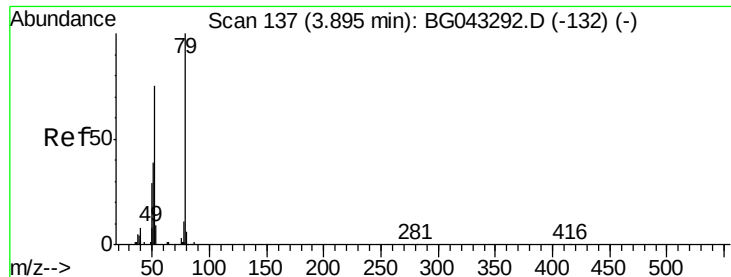


#2

1,4-Dioxane
Concen: 36.094 ng
RT: 3.49 min Scan# 69
Delta R.T. 0.00 min
Lab File: BG043323.D
Acq: 24 Oct 2019 00:27

Tgt Ion: 88 Resp: 30128
Ion Ratio Lower Upper
88 100
58 74.2 60.2 90.2
43 32.4 22.7 34.1





#3

Pyridine

Concen: 40.019 ng

RT: 3.89 min Scan# 137

Delta R.T. -0.00 min

Lab File: BG043323.D

Acq: 24 Oct 2019 00:27

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

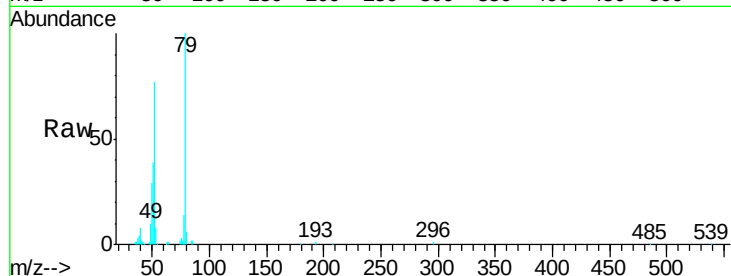
Tgt Ion: 79 Resp: 84264

Ion Ratio Lower Upper

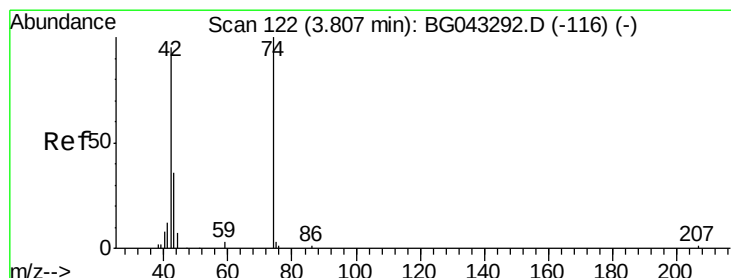
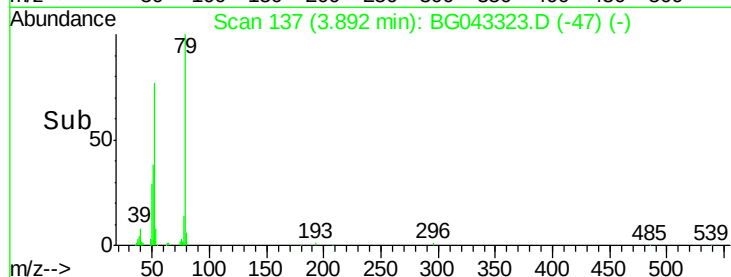
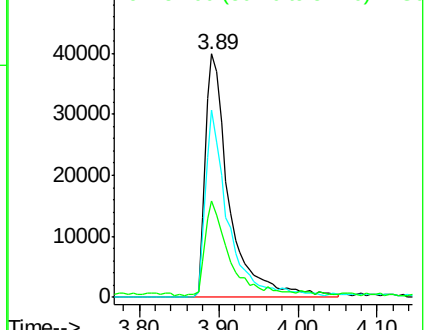
79 100

52 77.1 59.7 89.5

51 39.4 31.8 47.6



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: 35.050 ng

RT: 3.80 min Scan# 122

Delta R.T. -0.00 min

Lab File: BG043323.D

Acq: 24 Oct 2019 00:27

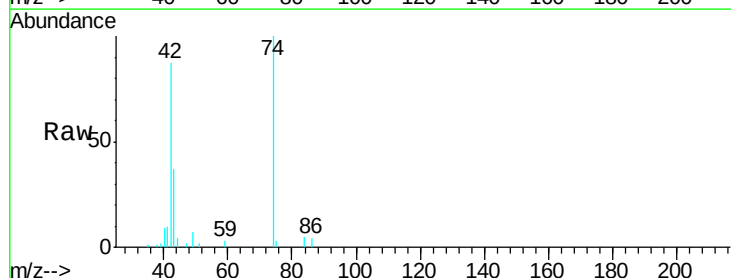
Tgt Ion: 42 Resp: 37241

Ion Ratio Lower Upper

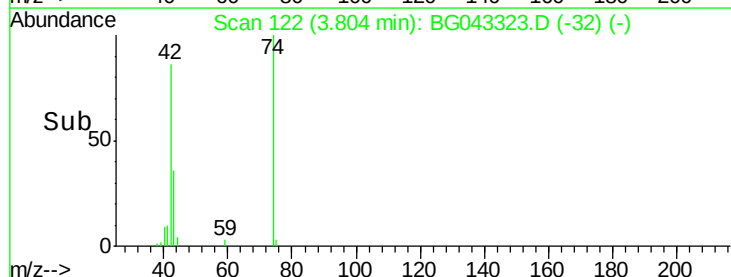
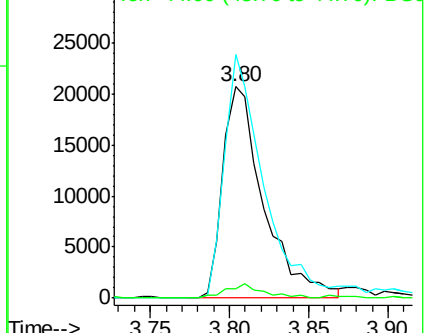
42 100

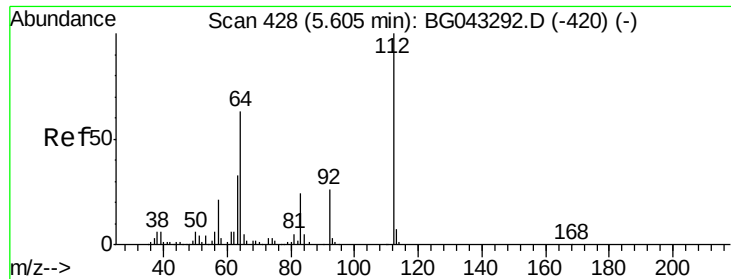
74 115.3 84.2 126.2

44 4.4 6.0 9.0#



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: 70.573 ng

RT: 5.60 min Scan# 428

Delta R.T. -0.00 min

Lab File: BG043323.D

Acq: 24 Oct 2019 00:27

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

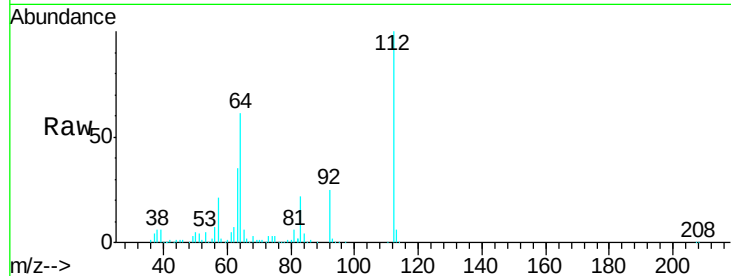
Tgt Ion: 112 Resp: 151167

Ion Ratio Lower Upper

112 100

64 60.9 50.2 75.2

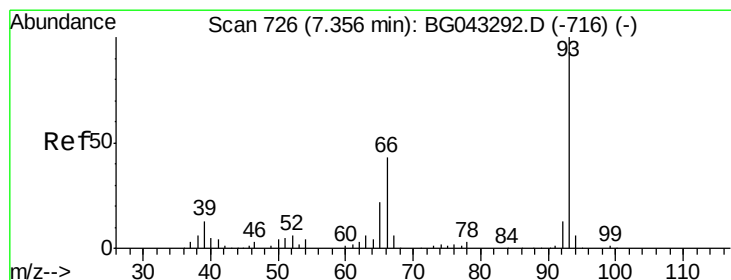
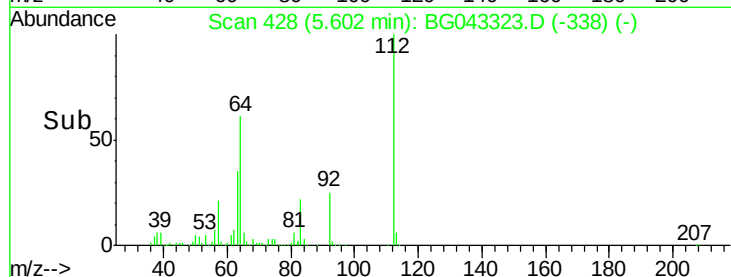
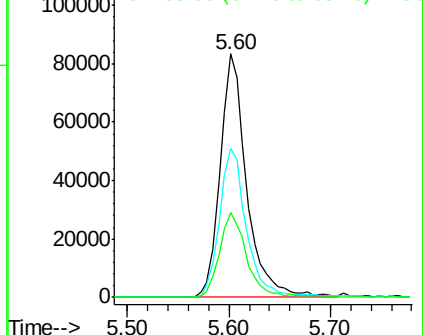
63 34.9 26.7 40.1



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 38.130 ng

RT: 7.35 min Scan# 726

Delta R.T. -0.00 min

Lab File: BG043323.D

Acq: 24 Oct 2019 00:27

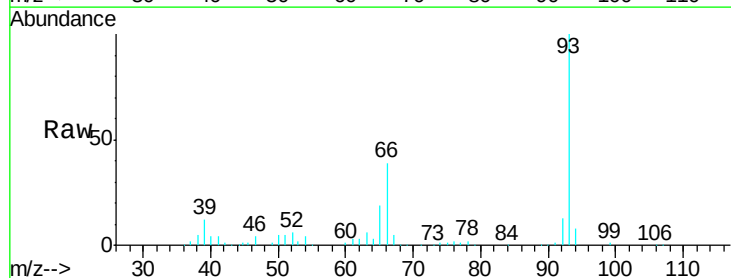
Tgt Ion: 93 Resp: 135368

Ion Ratio Lower Upper

93 100

66 38.9 34.5 51.7

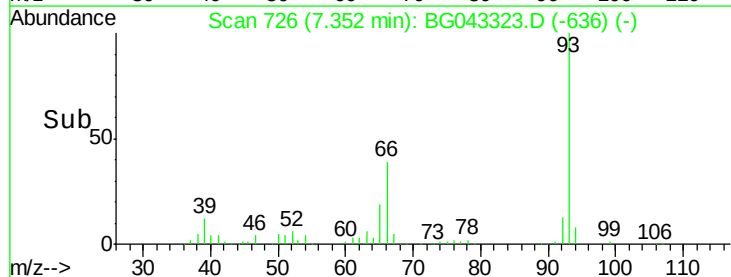
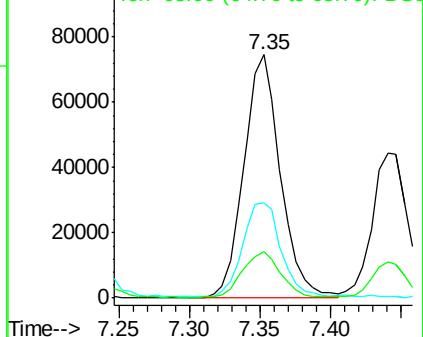
65 19.0 18.0 27.0

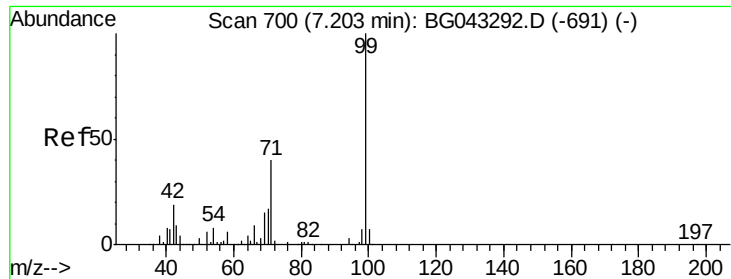


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 73.562 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG043323.D

Acq: 24 Oct 2019 00:27

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

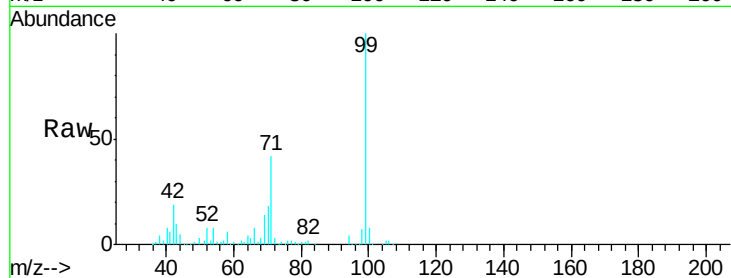
Tgt Ion: 99 Resp: 226707

Ion Ratio Lower Upper

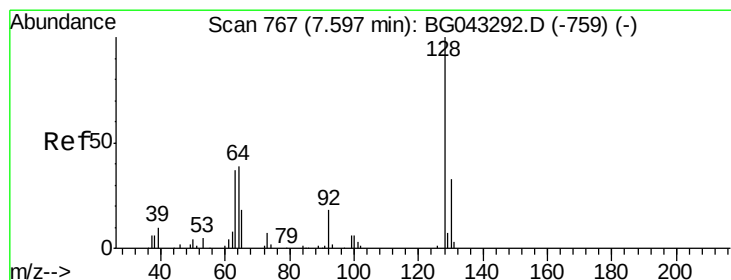
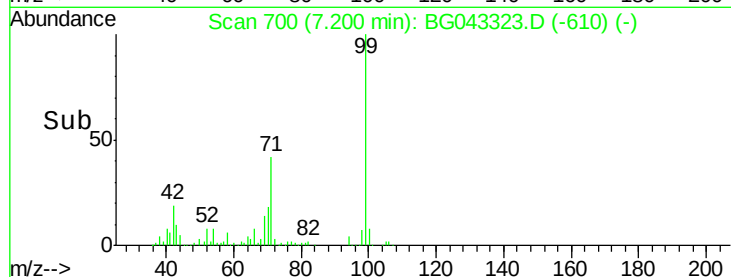
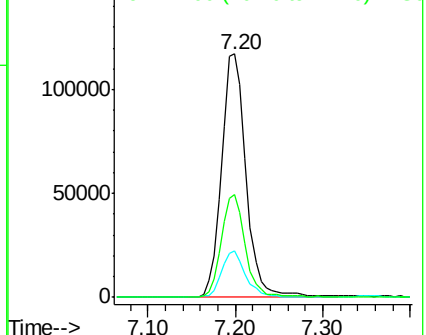
99 100

42 19.1 14.9 22.3

71 42.0 32.2 48.2



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: 36.260 ng

RT: 7.59 min Scan# 767

Delta R.T. -0.00 min

Lab File: BG043323.D

Acq: 24 Oct 2019 00:27

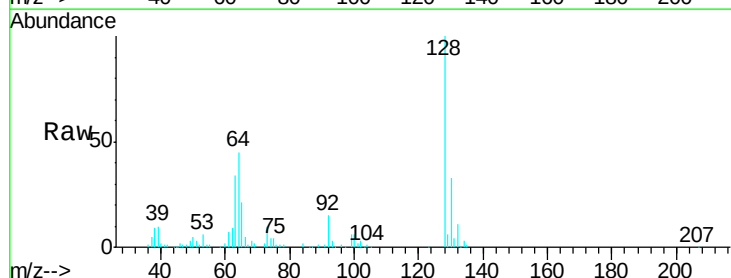
Tgt Ion: 128 Resp: 85737

Ion Ratio Lower Upper

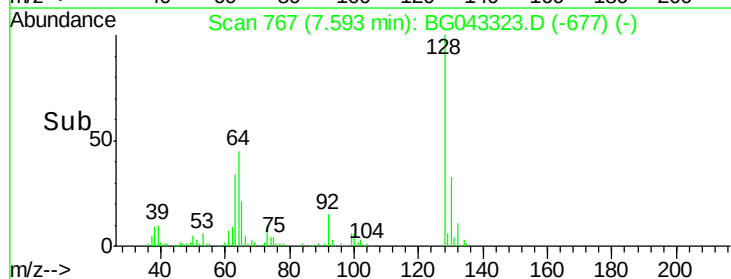
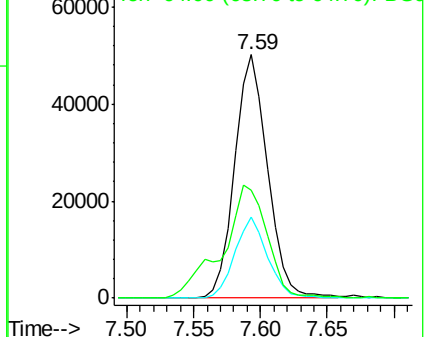
128 100

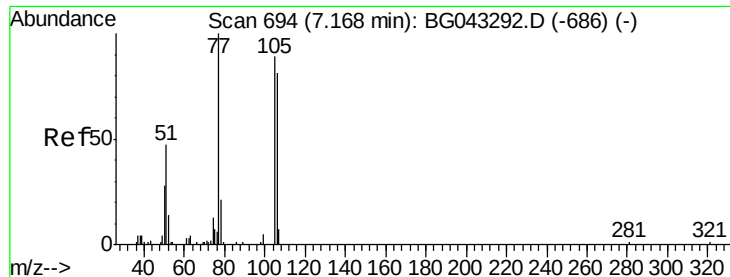
130 33.3 12.9 52.9

64 44.5 24.9 64.9



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: 36.195 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG043323.D

Acq: 24 Oct 2019 00:27

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

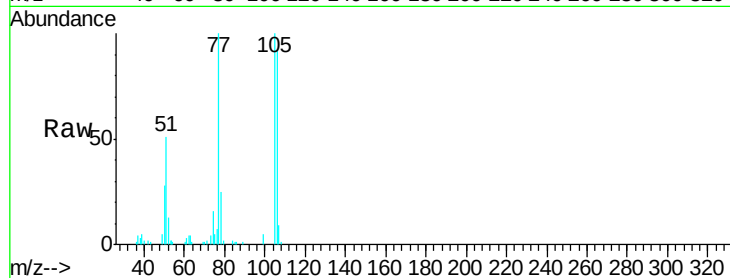
Tgt Ion: 77 Resp: 54819

Ion Ratio Lower Upper

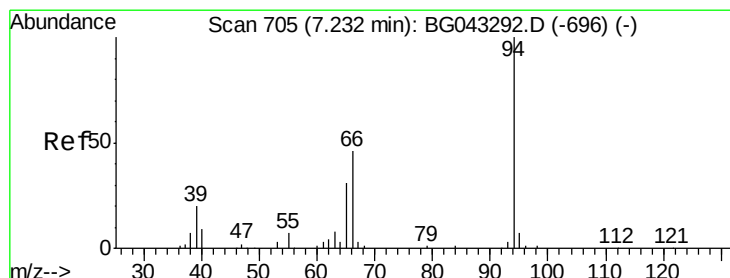
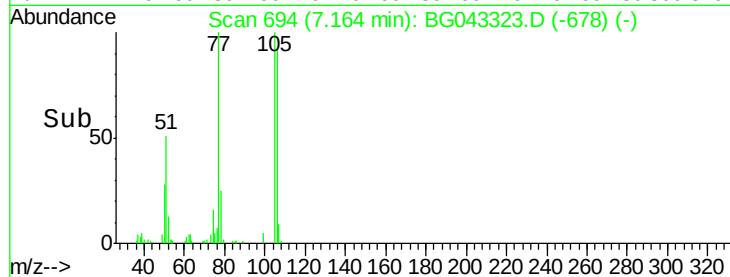
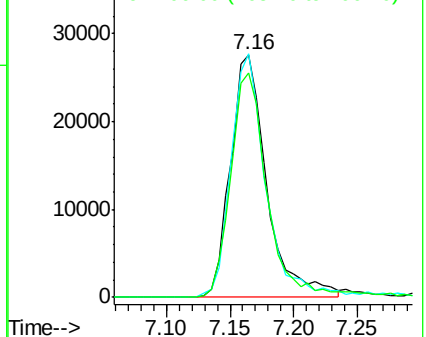
77 100

105 100.4 68.7 108.7

106 92.3 60.5 100.5



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: 36.818 ng

RT: 7.22 min Scan# 704

Delta R.T. -0.01 min

Lab File: BG043323.D

Acq: 24 Oct 2019 00:27

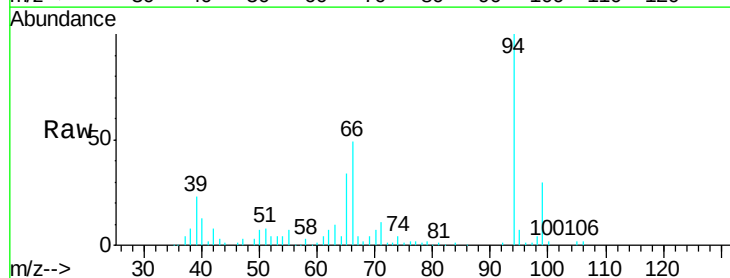
Tgt Ion: 94 Resp: 103684

Ion Ratio Lower Upper

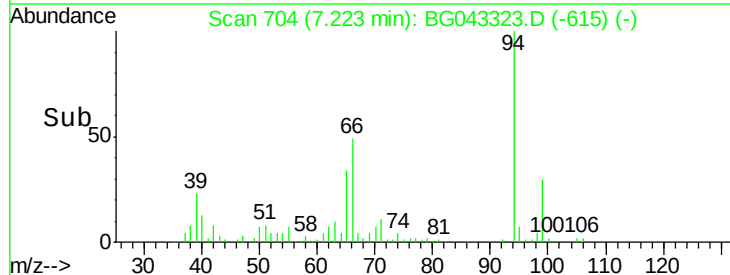
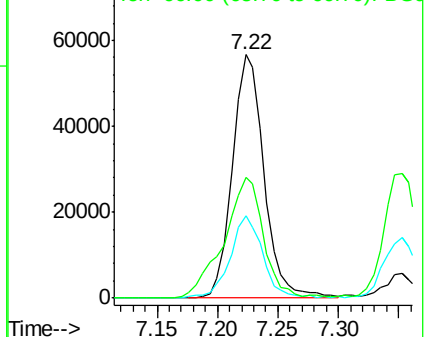
94 100

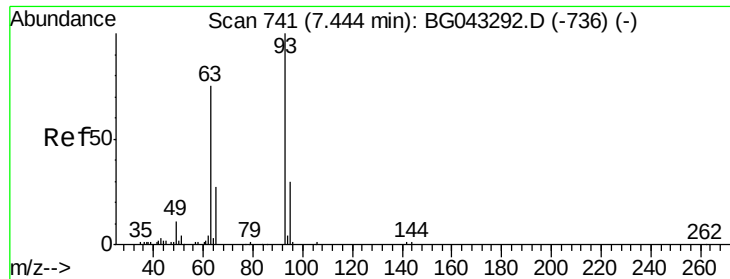
65 33.9 11.1 51.1

66 49.4 27.8 67.8



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

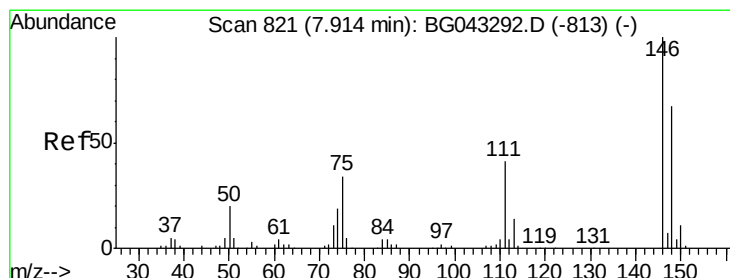
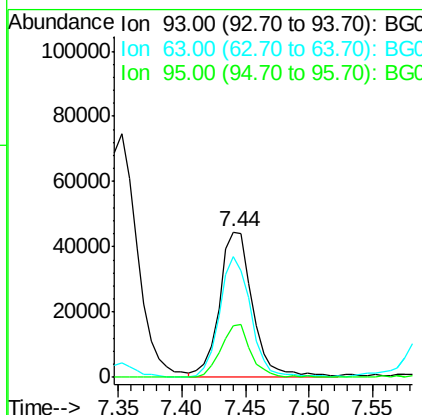
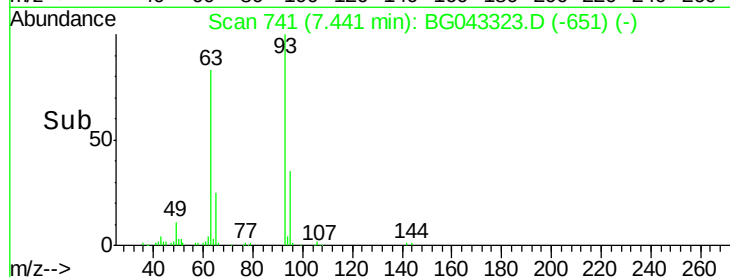
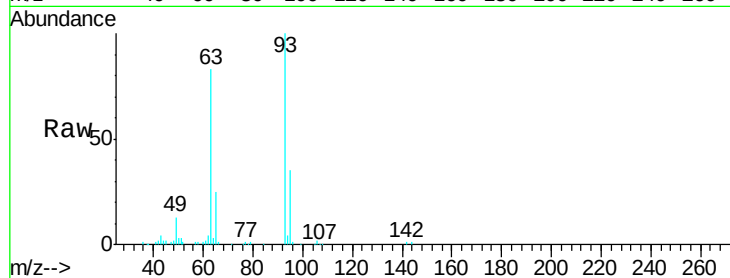




#11
bis(2-Chloroethyl)ether
Concen: 37.010 ng
RT: 7.44 min Scan# 741
Delta R.T. -0.00 min
Lab File: BG043323.D
Acq: 24 Oct 2019 00:27

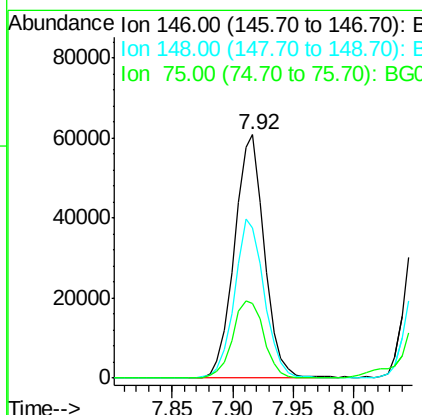
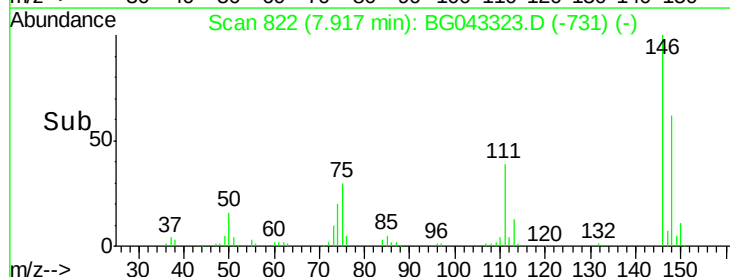
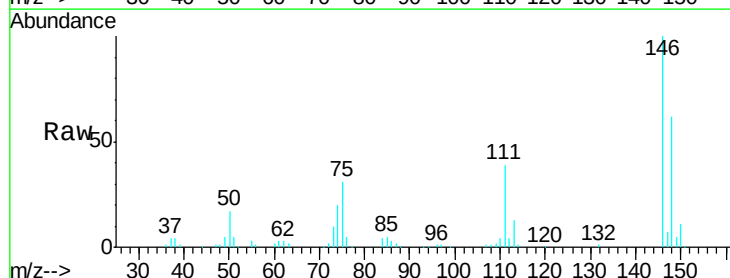
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040EC

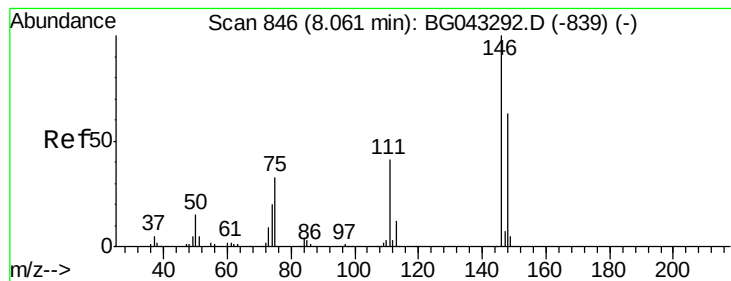
Tgt Ion: 93 Resp: 80582
Ion Ratio Lower Upper
93 100
63 83.0 54.6 94.6
95 35.3 9.7 49.7



#12
1,3-Dichlorobenzene
Concen: 35.449 ng
RT: 7.92 min Scan# 822
Delta R.T. 0.00 min
Lab File: BG043323.D
Acq: 24 Oct 2019 00:27

Tgt Ion: 146 Resp: 105020
Ion Ratio Lower Upper
146 100
148 61.7 53.4 80.2
75 30.5 27.0 40.4





#13

1,4-Dichlorobenzene

Concen: 36.450 ng

RT: 8.06 min Scan# 846

Delta R.T. -0.00 min

Lab File: BG043323.D

Acq: 24 Oct 2019 00:27

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

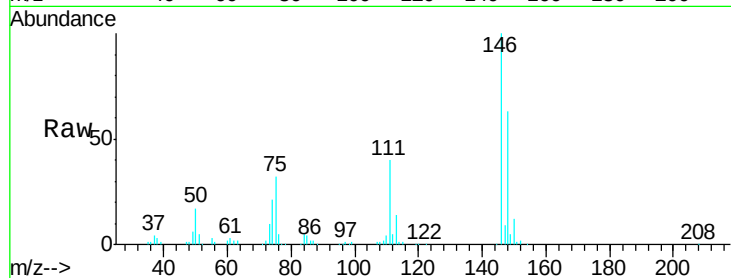
Tgt Ion:146 Resp: 109254

Ion Ratio Lower Upper

146 100

148 63.1 50.7 76.1

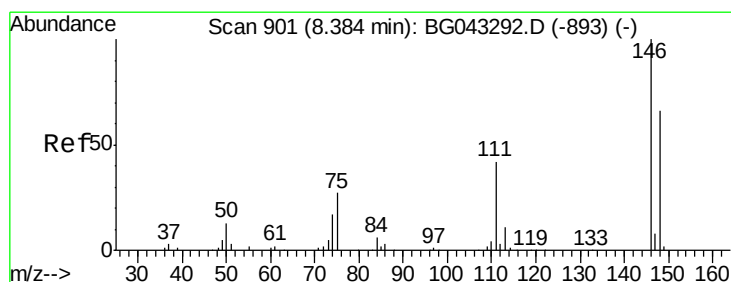
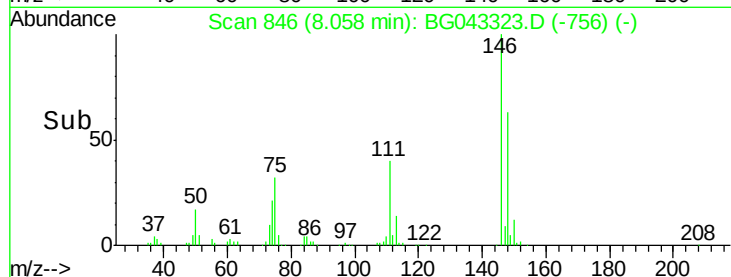
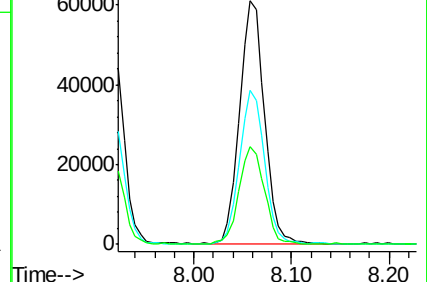
111 40.3 33.0 49.6



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: 35.261 ng

RT: 8.38 min Scan# 901

Delta R.T. -0.00 min

Lab File: BG043323.D

Acq: 24 Oct 2019 00:27

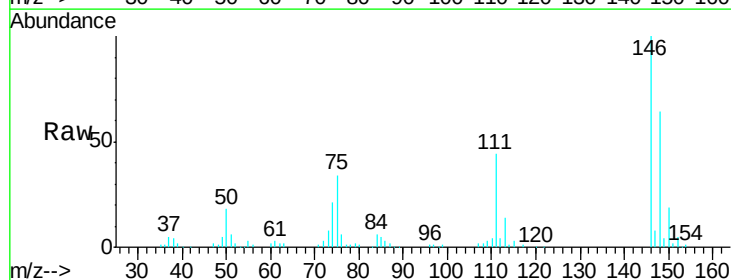
Tgt Ion:146 Resp: 103196

Ion Ratio Lower Upper

146 100

148 64.1 53.0 79.4

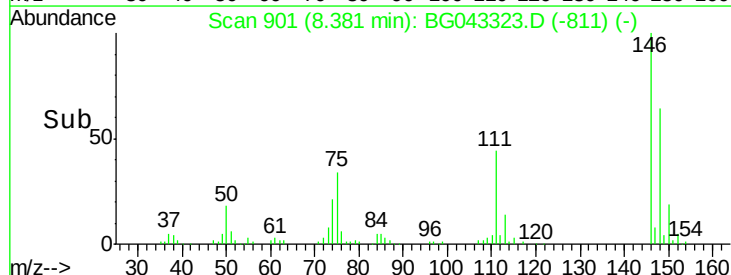
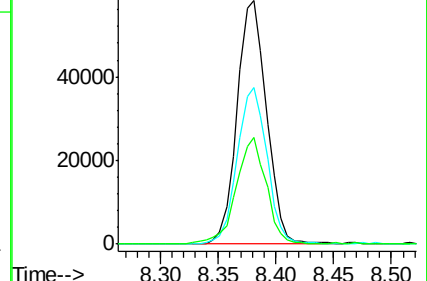
111 43.6 34.5 51.7

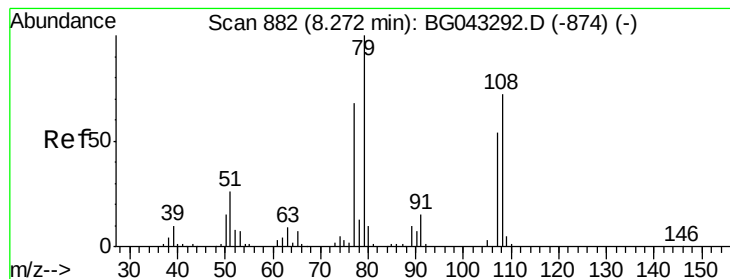


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 36.175 ng

RT: 8.26 min Scan# 881

Delta R.T. -0.01 min

Lab File: BG043323.D

Acq: 24 Oct 2019 00:27

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

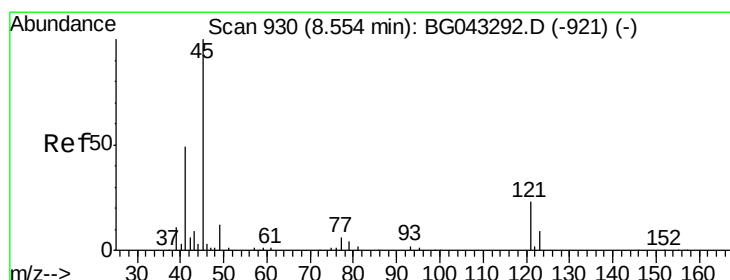
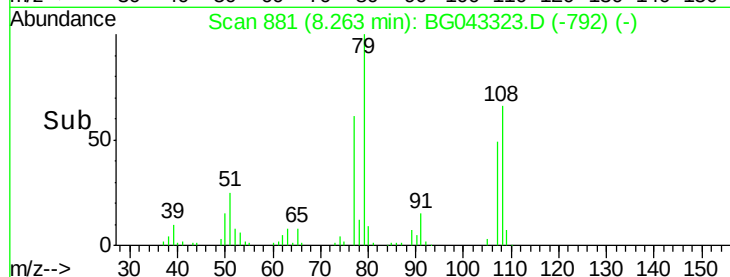
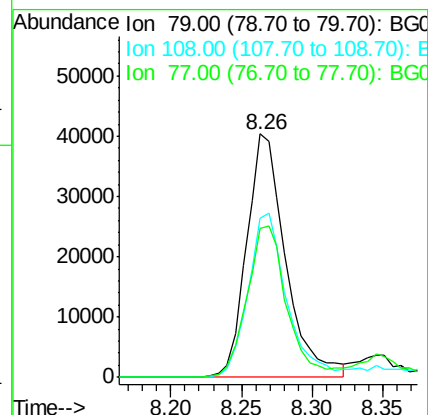
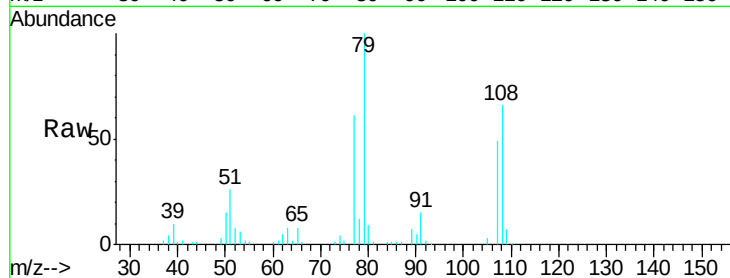
Tgt Ion: 79 Resp: 78297

Ion Ratio Lower Upper

79 100

108 65.5 57.3 85.9

77 61.3 54.6 81.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.283 ng

RT: 8.55 min Scan# 930

Delta R.T. -0.00 min

Lab File: BG043323.D

Acq: 24 Oct 2019 00:27

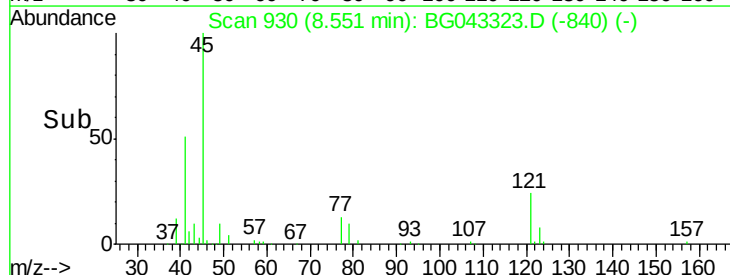
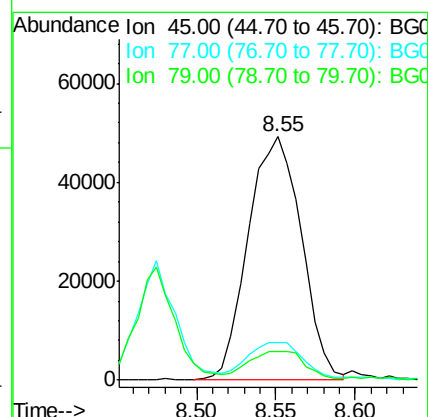
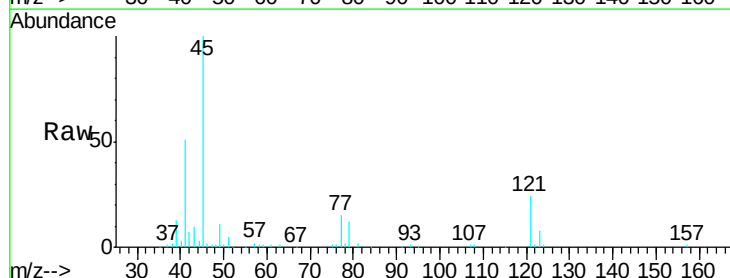
Tgt Ion: 45 Resp: 114871

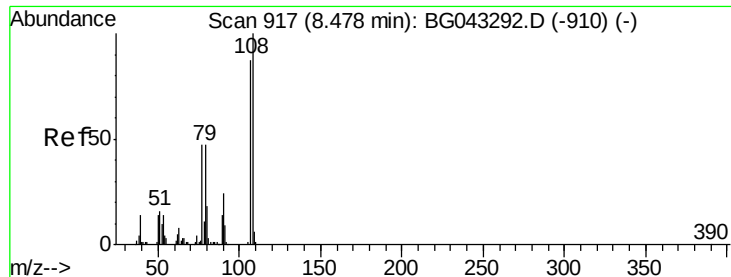
Ion Ratio Lower Upper

45 100

77 15.5 0.0 34.2

79 11.7 0.0 32.3





#17

2-Methylphenol

Concen: 37.667 ng

RT: 8.47 min Scan# 917

Delta R.T. -0.00 min

Lab File: BG043323.D

Acq: 24 Oct 2019 00:27

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

Tgt Ion:107 Resp: 77330

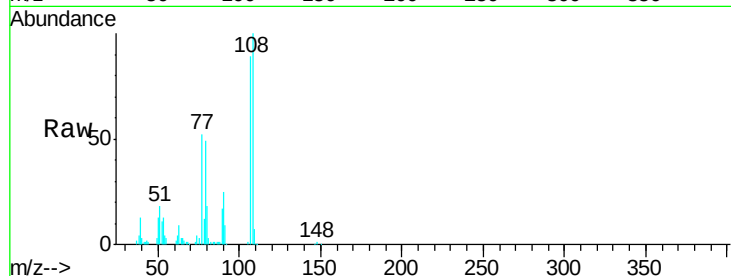
Ion Ratio Lower Upper

107 100

108 111.9 91.3 136.9

77 58.5 43.0 64.6

79 55.4 43.4 65.2

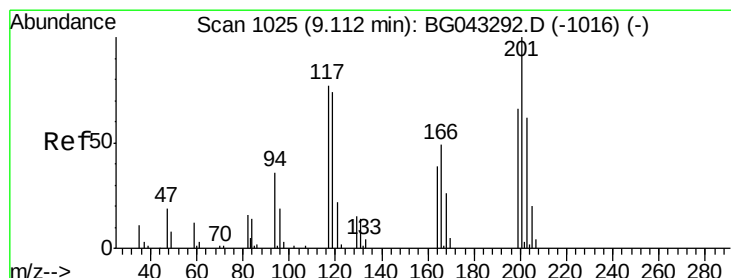
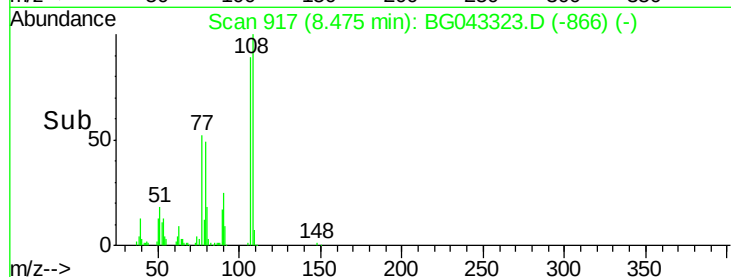
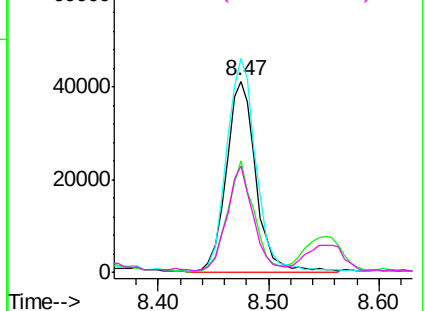


Abundance Ion 107.00 (106.70 to 107.70): E

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: 36.407 ng

RT: 9.11 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BG043323.D

Acq: 24 Oct 2019 00:27

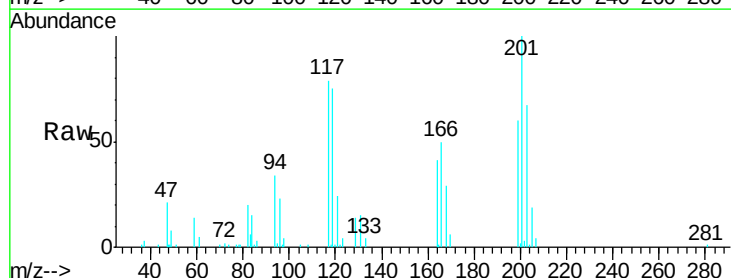
Tgt Ion:117 Resp: 39371

Ion Ratio Lower Upper

117 100

119 95.1 77.3 115.9

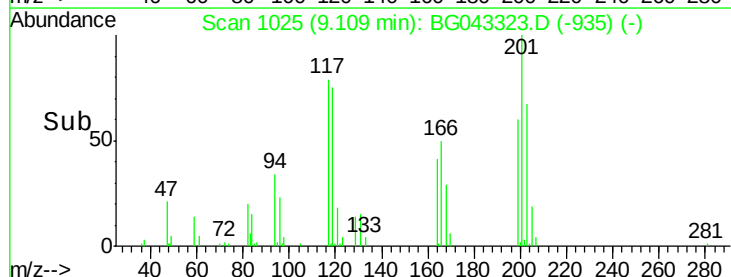
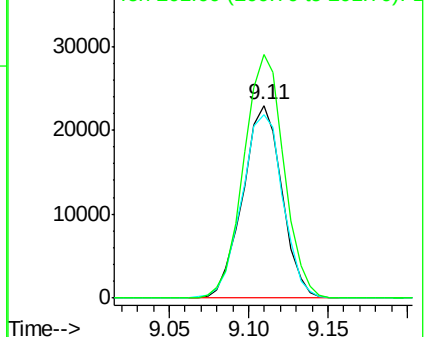
201 126.2 104.2 156.4

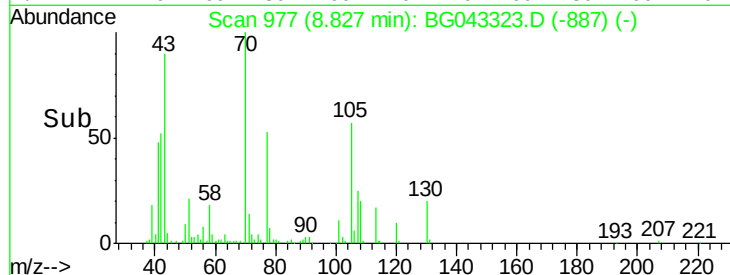
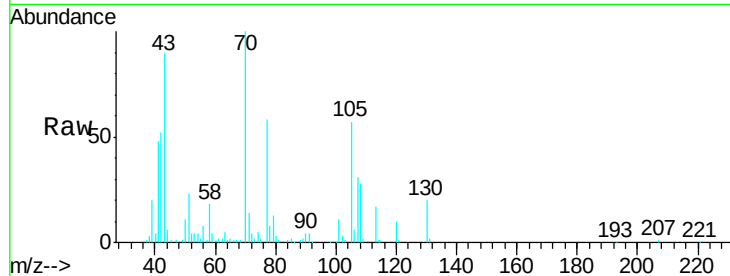
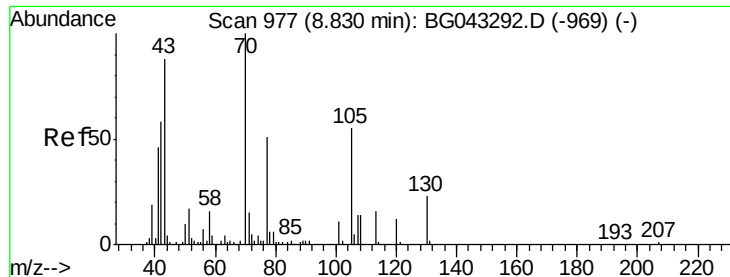


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

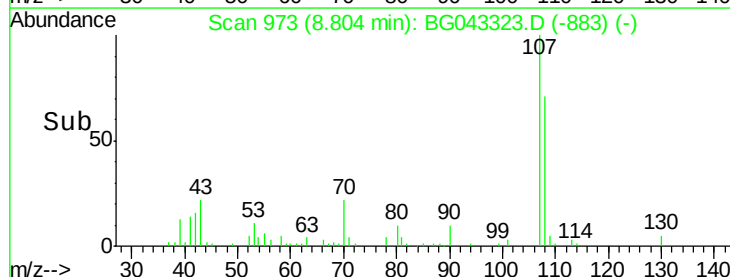
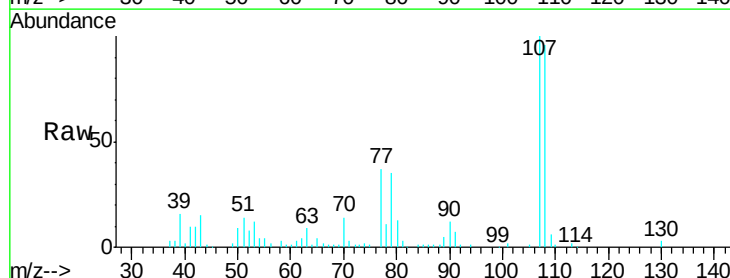
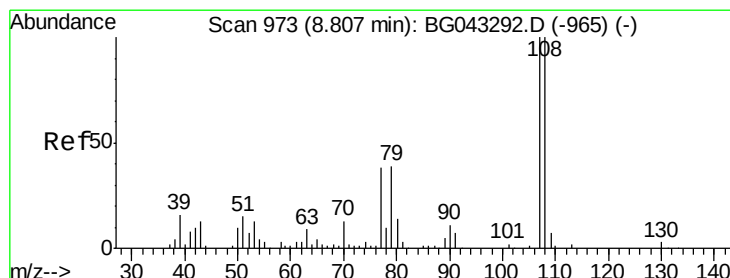
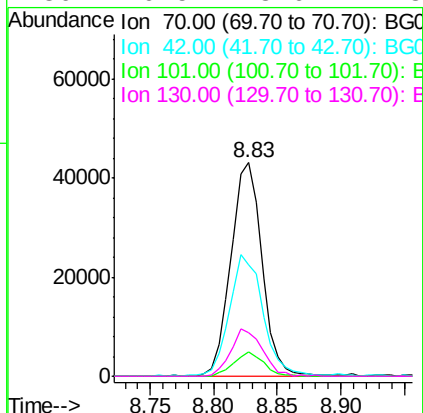




#19
n-Nitroso-di-n-propylamine
Concen: 36.713 ng
RT: 8.83 min Scan# 977
Delta R.T. -0.00 min
Lab File: BG043323.D
Acq: 24 Oct 2019 00:27

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040EC

Tgt Ion:	70	Resp:	73111
Ion	Ratio	Lower	Upper
70	100		
42	52.4	46.2	69.2
101	11.2	8.6	13.0
130	20.5	18.6	27.8



#20
3+4-Methylphenols
Concen: 36.613 ng
RT: 8.80 min Scan# 973
Delta R.T. -0.00 min
Lab File: BG043323.D
Acq: 24 Oct 2019 00:27

Tgt Ion:	107	Resp:	103071
Ion	Ratio	Lower	Upper
107	100		
108	95.8	80.3	120.3
77	37.2	18.2	58.2
79	34.9	18.8	58.8

