

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
 Data File : BG017551.D
 Acq On : 8 Jun 2015 21:17
 Operator : TP/IZ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Jun 09 02:17:10 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 09 02:10:45 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	19815	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	92412	20.00	ng	0.00
38) Acenaphthene-d10	14.27	164	61868	20.00	ng	-0.01
63) Phenanthrene-d10	17.02	188	141352	20.00	ng	-0.02
75) Chrysene-d12	21.22	240	158997	20.00	ng	-0.02
86) Perylene-d12	23.45	264	153271	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	92407	82.16	ng	0.00
7) Phenol-d6	6.82	99	124775	81.43	ng	0.00
23) Nitrobenzene-d5	8.77	82	150912	81.52	ng	0.00
41) 2,4,6-Tribromophenol	15.77	330	66790	77.72	ng	-0.01
44) 2-Fluorobiphenyl	12.89	172	336297	82.00	ng	-0.01
78) Terphenyl-d14	19.66	244	645460	83.90	ng	-0.02

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.05	88	18245	36.04	ng	90
3) Pyridine	3.45	79	51063	37.76	ng	99
4) n-Nitrosodimethylamine	3.37	42	44385	50.08	ng	# 76
6) Aniline	6.94	93	82261	39.99	ng	97
8) 2-Chlorophenol	7.18	128	54311	40.84	ng	96
9) Benzaldehyde	6.75	77	39471	37.95	ng	94
10) Phenol	6.84	94	63892	40.60	ng	95
11) bis(2-Chloroethyl)ether	7.04	93	49152	40.99	ng	98
12) 1,3-Dichlorobenzene	7.49	146	61590	41.42	ng	94
13) 1,4-Dichlorobenzene	7.64	146	65902	42.30	ng	94
14) 1,2-Dichlorobenzene	7.96	146	59876	41.05	ng	97
15) Benzyl Alcohol	7.86	79	61577	43.16	ng	95
16) 2,2'-oxybis(1-Chloropropan	8.15	45	81400	40.27	ng	98
17) 2-Methylphenol	8.08	107	51768	43.35	ng	89
18) Hexachloroethane	8.67	117	26716	42.98	ng	87
19) n-Nitroso-di-n-propylamine	8.42	70	54665	42.17	ng	91
20) 3+4-Methylphenols	8.42	107	71985	43.57	ng	# 73
22) Acetophenone	8.43	105	87813	38.76	ng	# 95
24) Nitrobenzene	8.81	77	78992	41.10	ng	96
25) Isophorone	9.33	82	143202	36.98	ng	99
26) 2-Nitrophenol	9.52	139	36769	41.25	ng	89
27) 2,4-Dimethylphenol	9.60	122	57019	39.34	ng	96
28) bis(2-Chloroethoxy)methane	9.82	93	68673	38.82	ng	94
29) 2,4-Dichlorophenol	10.07	162	58538	41.45	ng	92
30) 1,2,4-Trichlorobenzene	10.27	180	67246	40.49	ng	98
31) Naphthalene	10.45	128	188295	39.00	ng	98
32) Benzoic acid	9.79	122	32866	35.87	ng	93
33) 4-Chloroaniline	10.57	127	81811	38.19	ng	96
34) Hexachlorobutadiene	10.73	225	46266	42.80	ng	98
35) Caprolactam	11.36	113	25931	33.36	ng	96
36) 4-Chloro-3-methylphenol	11.74	107	69689	37.92	ng	97
37) 2-Methylnaphthalene	12.07	142	148431	39.99	ng	97
39) 1,2,4,5-Tetrachlorobenzene	12.45	216	79160	42.05	ng	98
40) Hexachlorocyclopentadiene	12.42	237	39633	39.45	ng	99

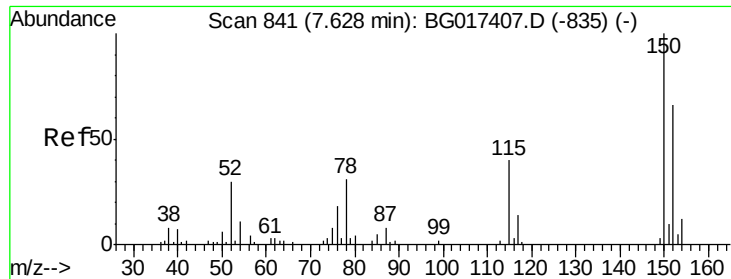
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
 Data File : BG017551.D
 Acq On : 8 Jun 2015 21:17
 Operator : TP/IZ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Jun 09 02:17:10 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 09 02:10:45 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.71	196	54513	40.44	ng	86
43) 2,4,5-Trichlorophenol	12.79	196	60508	40.98	ng	88
45) 1,1'-Biphenyl	13.10	154	184428	40.79	ng	98
46) 2-Chloronaphthalene	13.14	162	151642	40.10	ng	96
47) 2-Nitroaniline	13.36	65	54153	38.78	ng	98
48) Acenaphthylene	13.99	152	265218	39.82	ng	99
49) Dimethylphthalate	13.74	163	201231	37.37	ng	99
50) 2,6-Dinitrotoluene	13.86	165	46412	38.36	ng	88
51) Acenaphthene	14.34	154	155992	39.73	ng	99
52) 3-Nitroaniline	14.20	138	45739	34.91	ng	# 95
53) 2,4-Dinitrophenol	14.41	184	21595	32.96	ng	89
54) Dibenzofuran	14.67	168	228692	39.48	ng	94
55) 4-Nitrophenol	14.56	139	34145	33.13	ng	# 83
56) 2,4-Dinitrotoluene	14.66	165	65487	37.99	ng	# 84
57) Fluorene	15.33	166	208461	39.69	ng	98
58) 2,3,4,6-Tetrachlorophenol	14.83	232	53729	39.89	ng	93
59) Diethylphthalate	15.11	149	210117	35.95	ng	99
60) 4-Chlorophenyl-phenylether	15.32	204	106027	39.84	ng	96
61) 4-Nitroaniline	15.37	138	47445	32.88	ng	# 75
62) Azobenzene	15.61	77	225018	40.50	ng	93
64) 4,6-Dinitro-2-methylphenol	15.43	198	40669	38.81	ng	97
65) n-Nitrosodiphenylamine	15.54	169	174333	41.35	ng	94
66) 4-Bromophenyl-phenylether	16.22	248	66795	42.69	ng	94
67) Hexachlorobenzene	16.33	284	72510	43.10	ng	99
68) Atrazine	16.50	200	70191	37.83	ng	98
69) Pentachlorophenol	16.69	266	35903	37.97	ng	# 88
70) Phenanthrene	17.06	178	313445	39.77	ng	99
71) Anthracene	17.16	178	314478	39.94	ng	98
72) Carbazole	17.43	167	294530	37.89	ng	97
73) Di-n-butylphthalate	18.00	149	374246	37.59	ng	98
74) Fluoranthene	19.09	202	399218	38.74	ng	96
76) Benzidine	19.29	184	217889	39.87	ng	97
77) Pyrene	19.46	202	403083	41.15	ng	98
79) Butylbenzylphthalate	20.36	149	171320	40.42	ng	97
80) Benzo(a)anthracene	21.21	228	397396	40.64	ng	100
81) 3,3'-Dichlorobenzidine	21.14	252	154714	42.35	ng	94
82) Chrysene	21.26	228	359314	40.58	ng	99
83) Bis(2-ethylhexyl)phthalate	21.14	149	249978	40.90	ng	99
84) Di-n-octyl phthalate	22.01	149	407938	39.81	ng	100
85) Indeno(1,2,3-cd)pyrene	25.73	276	458939	41.28	ng	97
87) Benzo(b)fluoranthene	22.78	252	389413	40.09	ng	99
88) Benzo(k)fluoranthene	22.82	252	371820	40.00	ng	96
89) Benzo(a)pyrene	23.35	252	353055	39.63	ng	99
90) Dibenzo(a,h)anthracene	25.73	278	378270	40.87	ng	97
91) Benzo(g,h,i)perylene	26.41	276	358087	40.65	ng	96

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

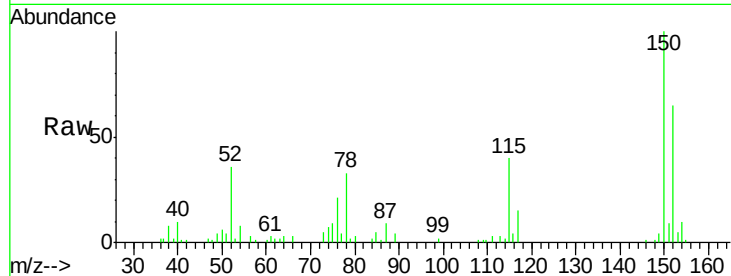


#1

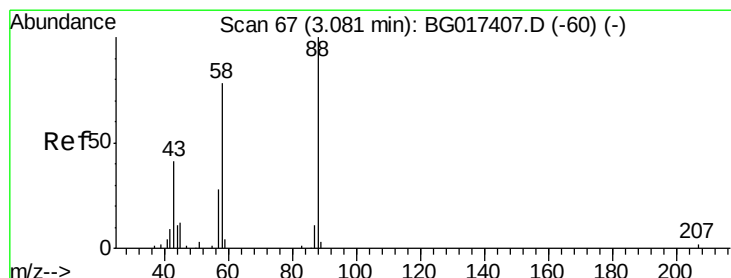
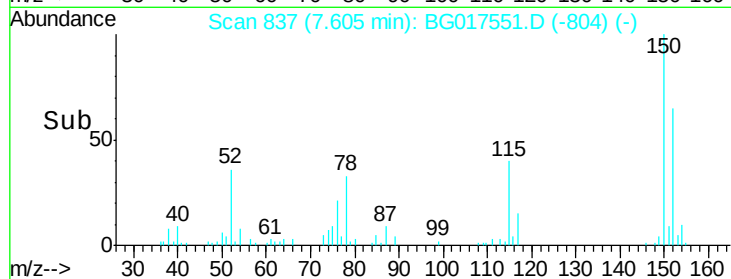
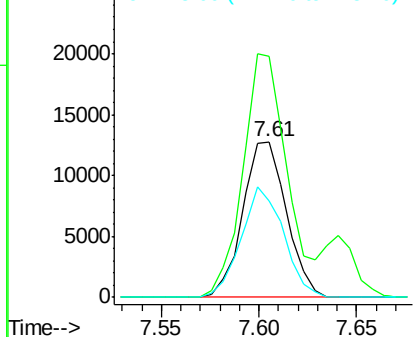
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.61 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG017551.D
Acq: 8 Jun 2015 21:17

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 19815
Ion Ratio Lower Upper
152 100
150 154.3 121.7 182.5
115 62.0 48.6 73.0



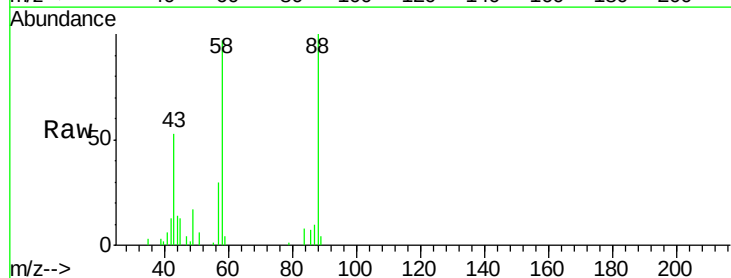
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



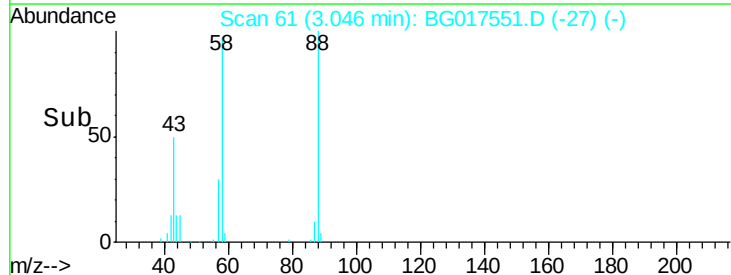
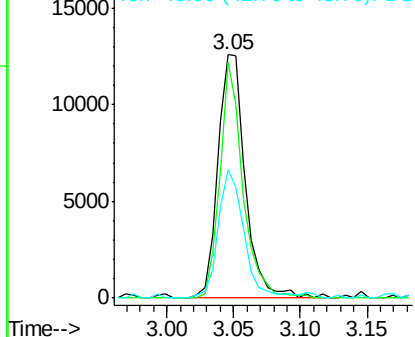
#2

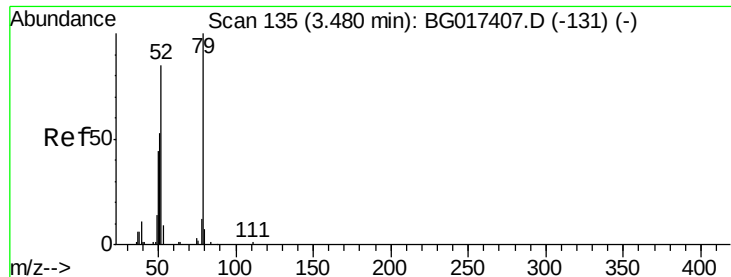
1,4-Dioxane
Concen: 36.04 ng
RT: 3.05 min Scan# 61
Delta R.T. -0.00 min
Lab File: BG017551.D
Acq: 8 Jun 2015 21:17

Tgt Ion: 88 Resp: 18245
Ion Ratio Lower Upper
88 100
58 81.2 59.0 88.6
43 50.8 34.5 51.7



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: 37.76 ng

RT: 3.45 min Scan# 130

Delta R.T. -0.00 min

Lab File: BG017551.D

Acq: 8 Jun 2015 21:17

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

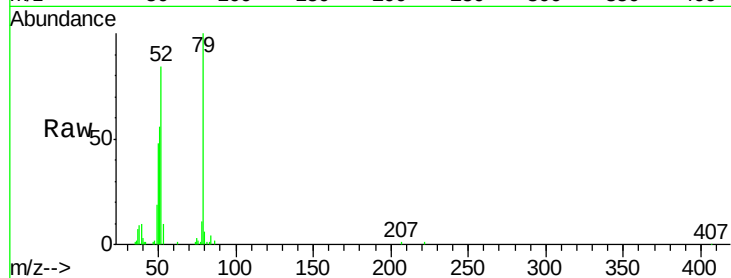
Tgt Ion: 79 Resp: 51063

Ion Ratio Lower Upper

79 100

52 83.5 68.3 102.5

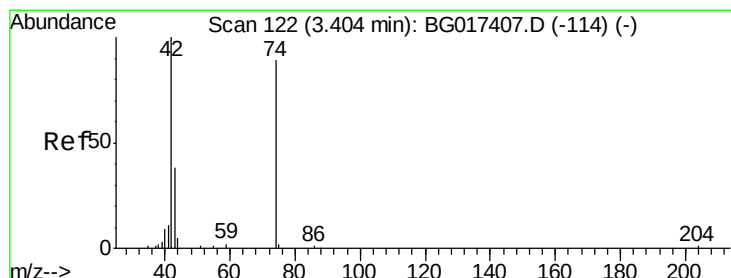
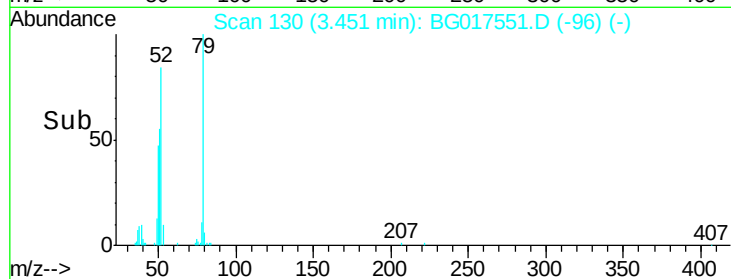
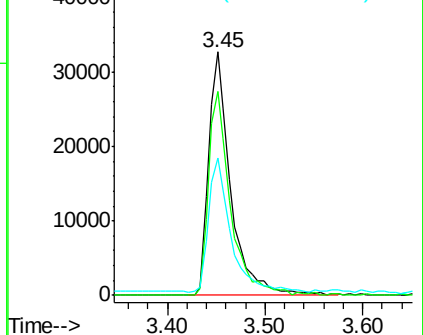
51 56.5 45.0 67.4



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: 50.08 ng

RT: 3.37 min Scan# 117

Delta R.T. 0.01 min

Lab File: BG017551.D

Acq: 8 Jun 2015 21:17

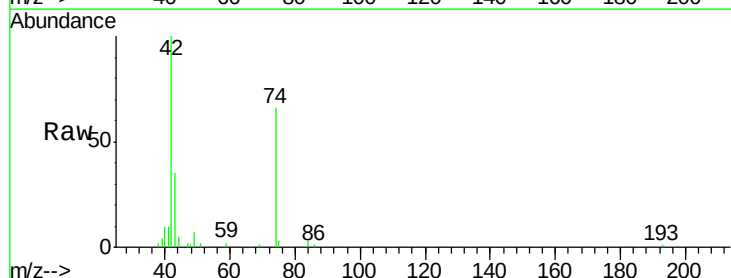
Tgt Ion: 42 Resp: 44385

Ion Ratio Lower Upper

42 100

74 65.5 71.4 107.2#

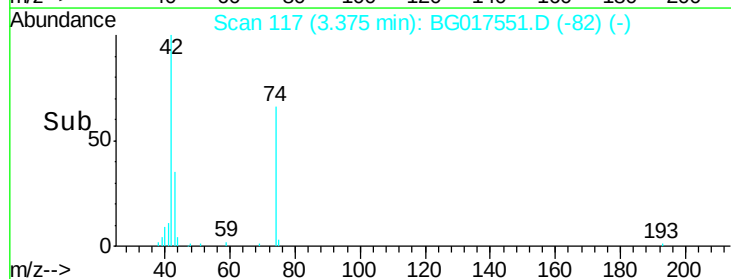
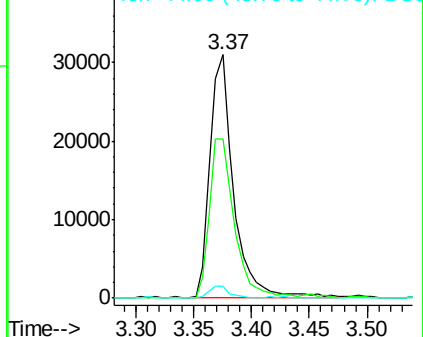
44 4.8 4.5 6.7

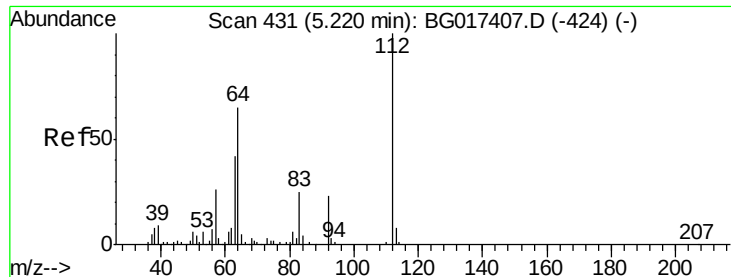


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 82.16 ng

RT: 5.20 min Scan# 427

Delta R.T. -0.01 min

Lab File: BG017551.D

Acq: 8 Jun 2015 21:17

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

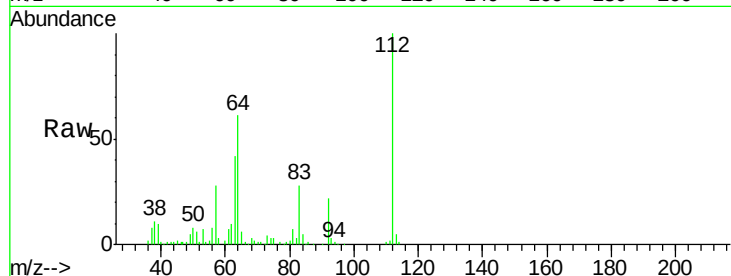
Tgt Ion: 112 Resp: 92407

Ion Ratio Lower Upper

112 100

64 61.4 51.6 77.4

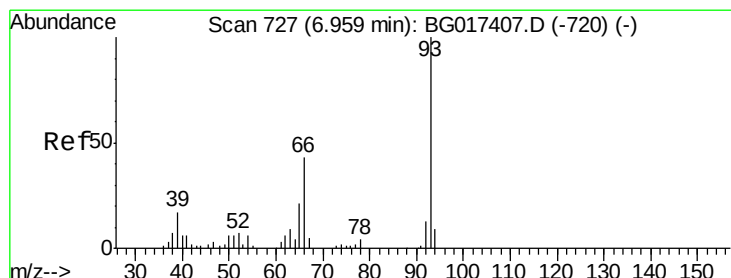
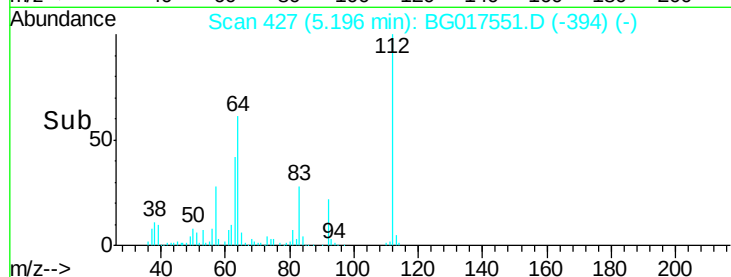
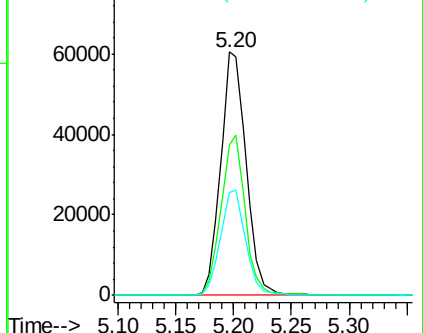
63 42.4 33.3 49.9



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: 39.99 ng

RT: 6.94 min Scan# 723

Delta R.T. -0.00 min

Lab File: BG017551.D

Acq: 8 Jun 2015 21:17

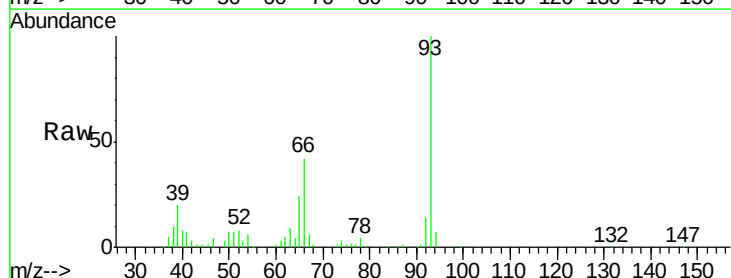
Tgt Ion: 93 Resp: 82261

Ion Ratio Lower Upper

93 100

66 41.6 34.3 51.5

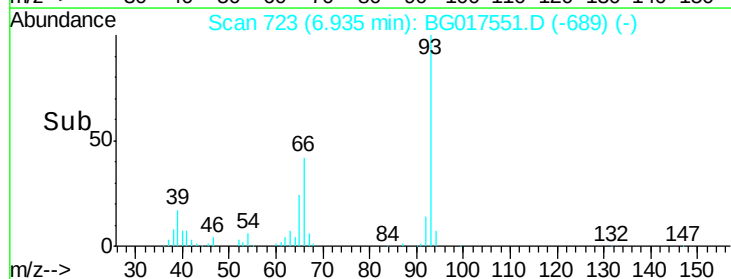
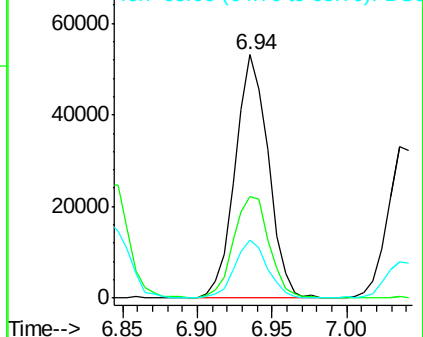
65 23.8 17.0 25.4

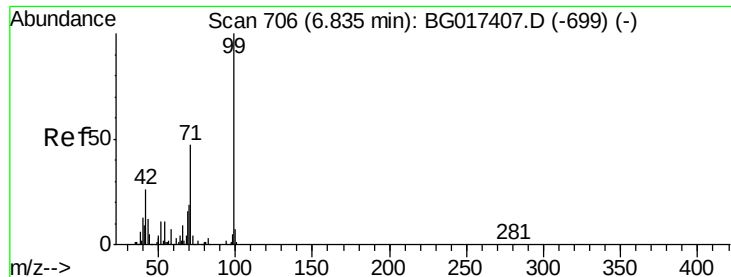


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 81.43 ng

RT: 6.82 min Scan# 703

Delta R.T. -0.00 min

Lab File: BG017551.D

Acq: 8 Jun 2015 21:17

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

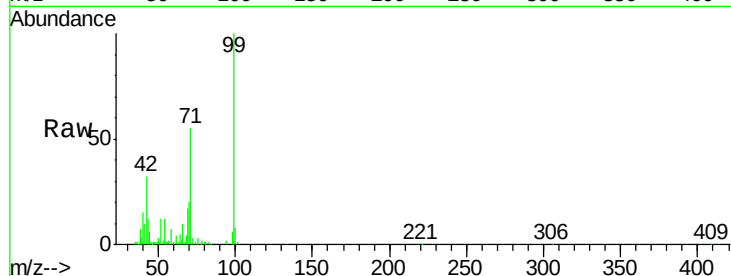
Tgt Ion: 99 Resp: 124775

Ion Ratio Lower Upper

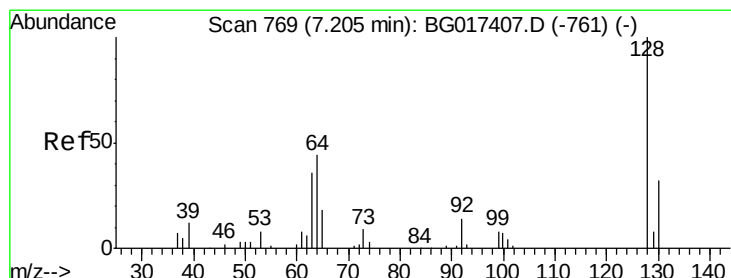
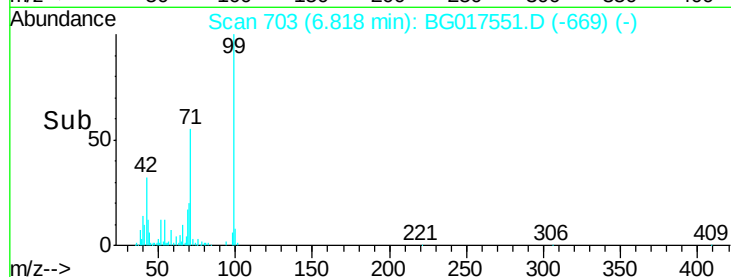
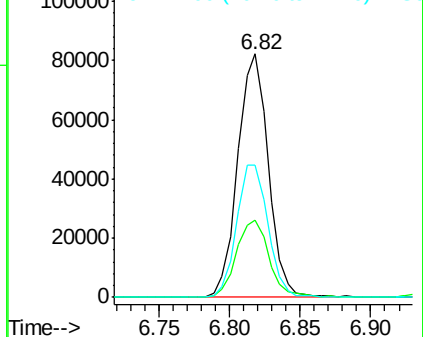
99 100

42 31.8 21.0 31.6#

71 54.6 37.2 55.8



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: 40.84 ng

RT: 7.18 min Scan# 765

Delta R.T. -0.00 min

Lab File: BG017551.D

Acq: 8 Jun 2015 21:17

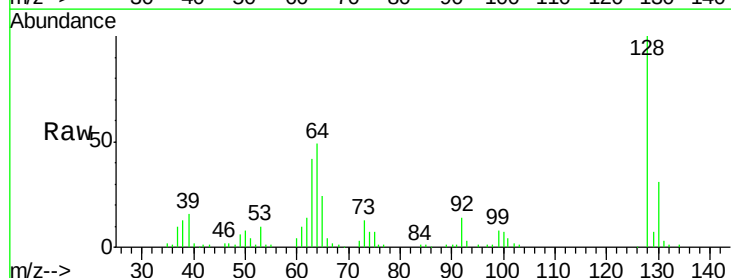
Tgt Ion: 128 Resp: 54311

Ion Ratio Lower Upper

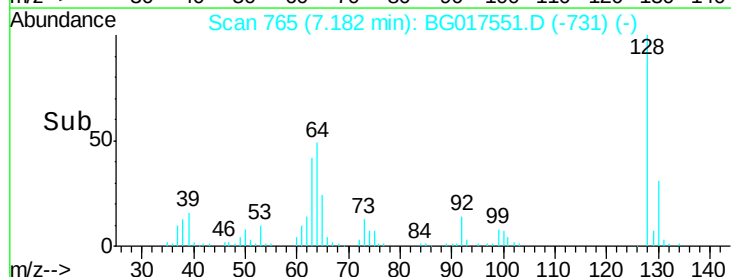
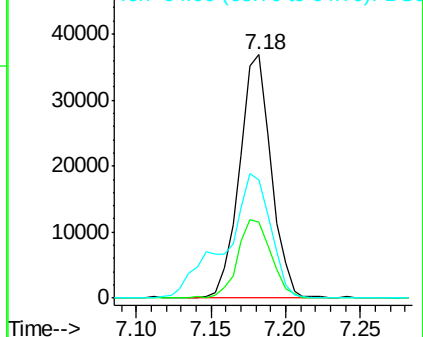
128 100

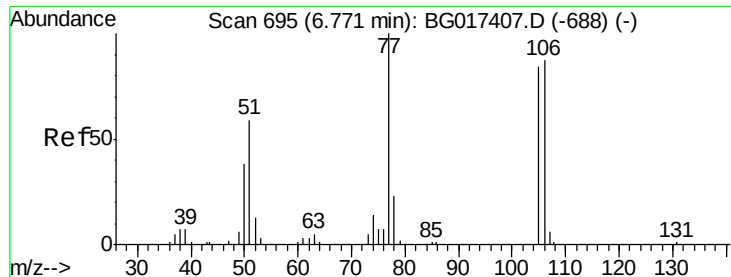
130 31.4 11.7 51.7

64 48.8 32.5 72.5



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: 37.95 ng

RT: 6.75 min Scan# 691

Delta R.T. -0.00 min

Lab File: BG017551.D

Acq: 8 Jun 2015 21:17

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

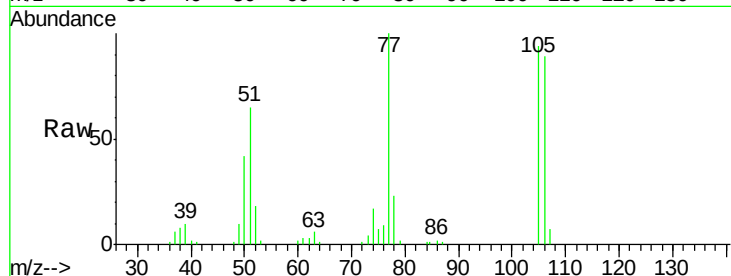
Tgt Ion: 77 Resp: 39471

Ion Ratio Lower Upper

77 100

105 93.7 64.0 104.0

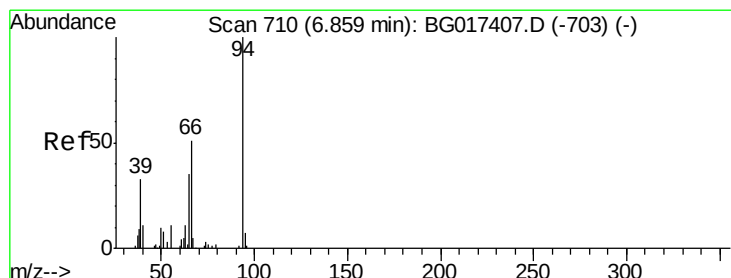
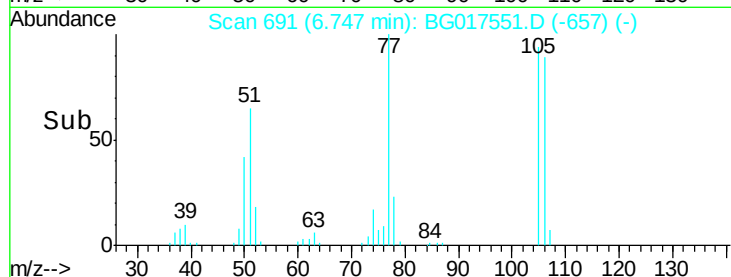
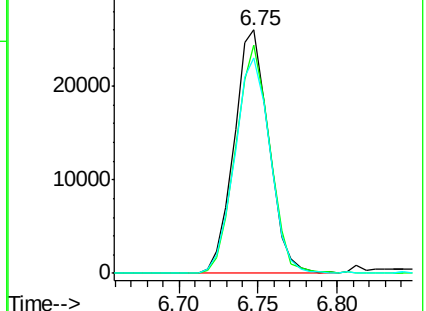
106 88.6 67.2 107.2



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: 40.60 ng

RT: 6.84 min Scan# 707

Delta R.T. -0.01 min

Lab File: BG017551.D

Acq: 8 Jun 2015 21:17

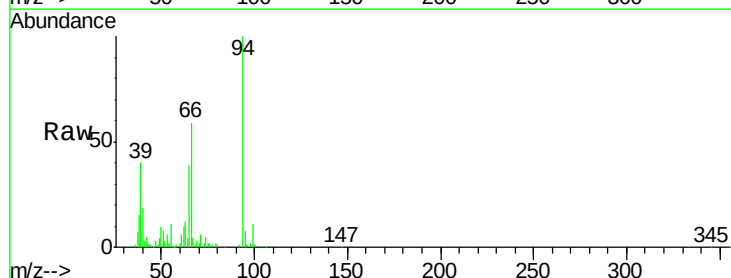
Tgt Ion: 94 Resp: 63892

Ion Ratio Lower Upper

94 100

65 38.6 15.9 55.9

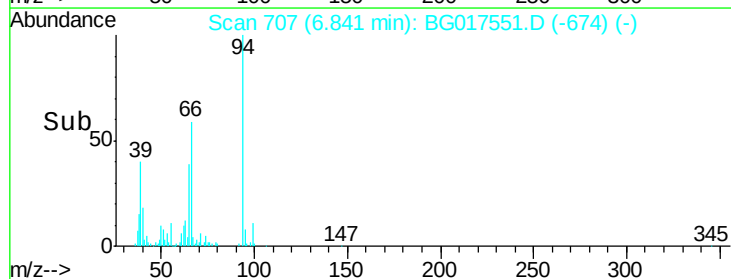
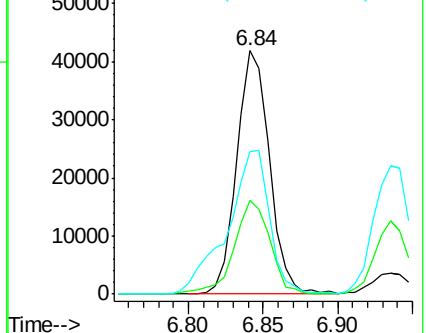
66 58.6 34.9 74.9

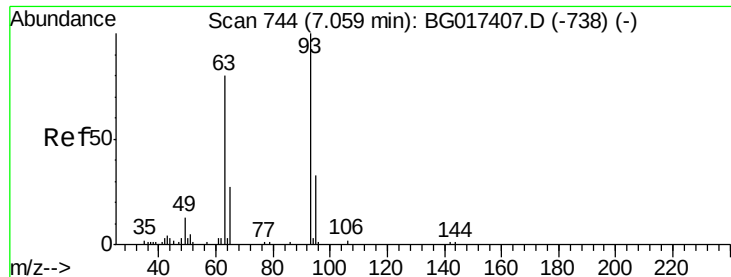


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

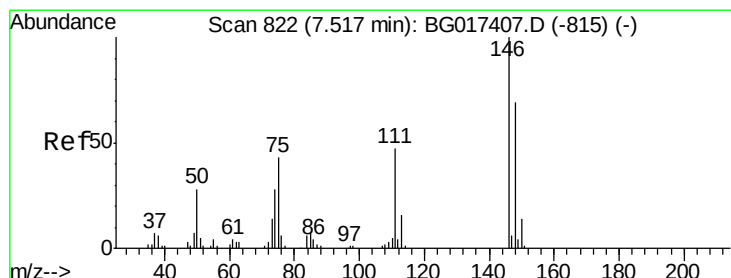
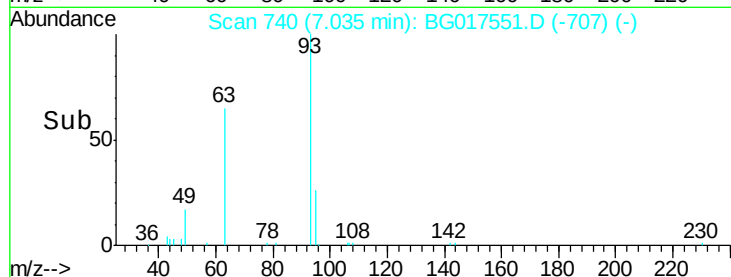
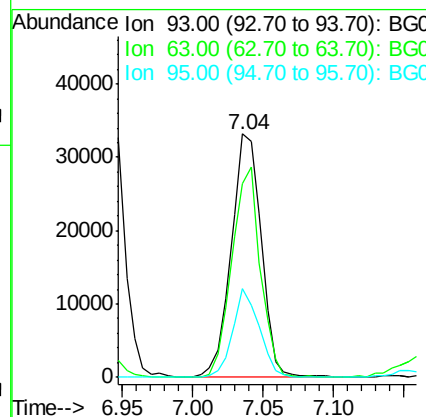
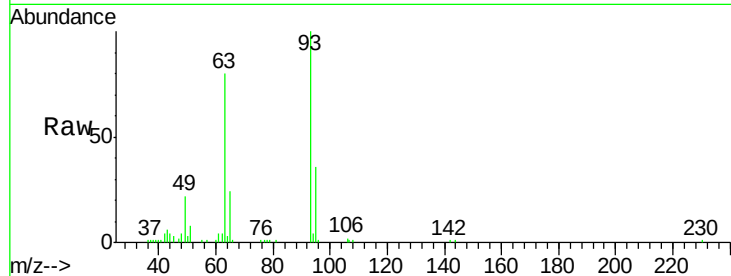




#11
bis(2-Chloroethyl)ether
Concen: 40.99 ng
RT: 7.04 min Scan# 740
Delta R.T. -0.01 min
Lab File: BG017551.D
Acq: 8 Jun 2015 21:17

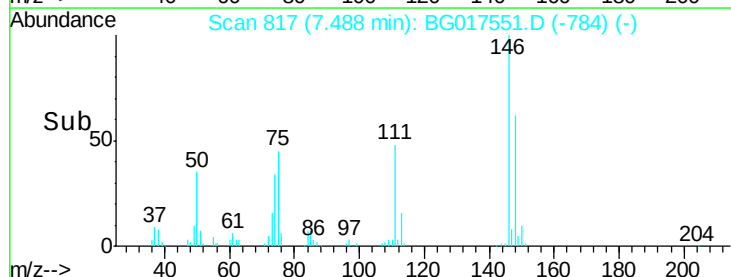
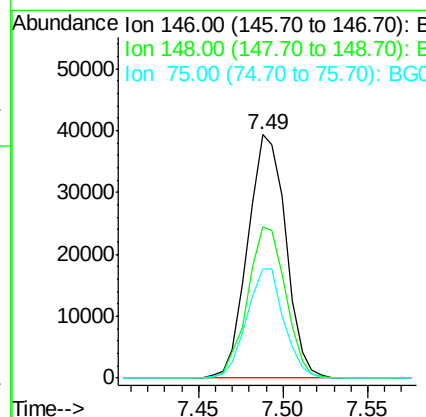
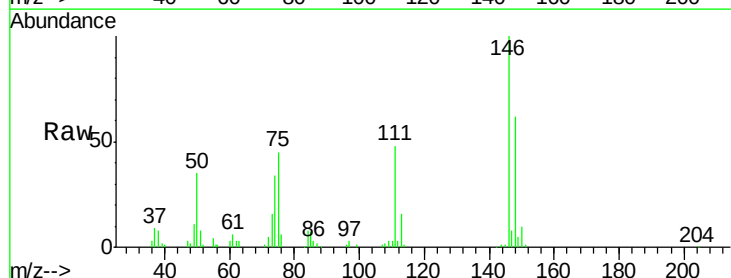
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040EC

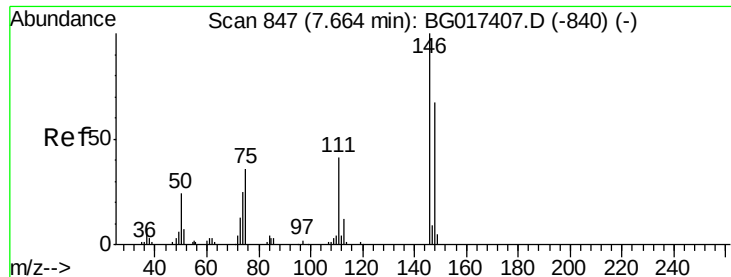
Tgt Ion: 93 Resp: 49152
Ion Ratio Lower Upper
93 100
63 79.8 59.7 99.7
95 36.3 13.2 53.2



#12
1,3-Dichlorobenzene
Concen: 41.42 ng
RT: 7.49 min Scan# 817
Delta R.T. -0.01 min
Lab File: BG017551.D
Acq: 8 Jun 2015 21:17

Tgt Ion: 146 Resp: 61590
Ion Ratio Lower Upper
146 100
148 62.5 55.2 82.8
75 44.8 34.1 51.1

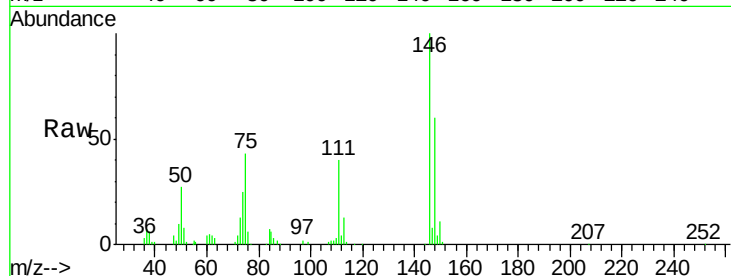




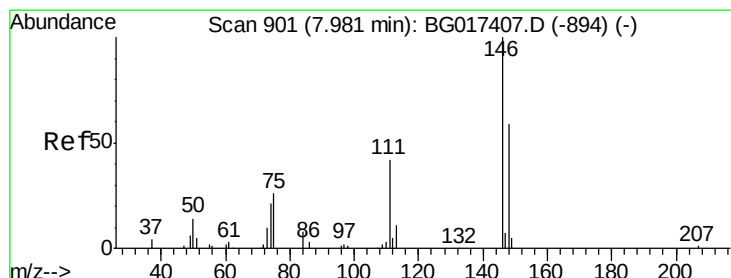
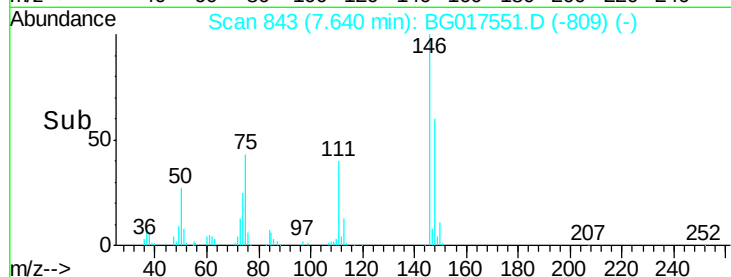
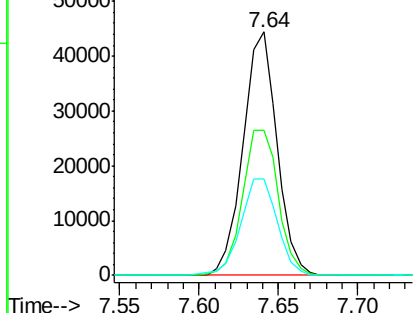
#13
 1,4-Dichlorobenzene
 Concen: 42.30 ng
 RT: 7.64 min Scan# 843
 Delta R.T. -0.00 min
 Lab File: BG017551.D
 Acq: 8 Jun 2015 21:17

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040EC

Tgt Ion:146 Resp: 65902
 Ion Ratio Lower Upper
 146 100
 148 59.7 53.2 79.8
 111 39.7 33.2 49.8

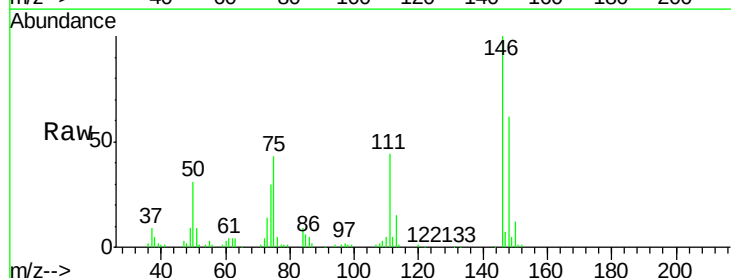


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

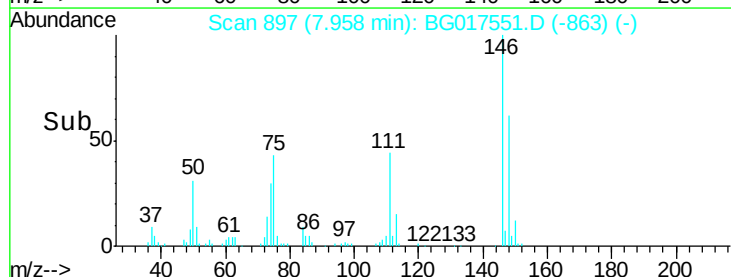
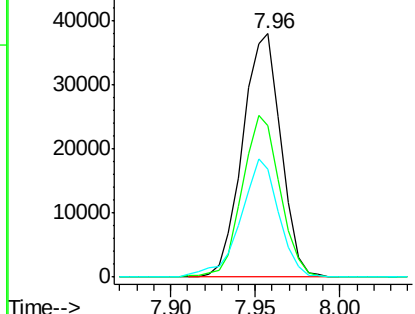


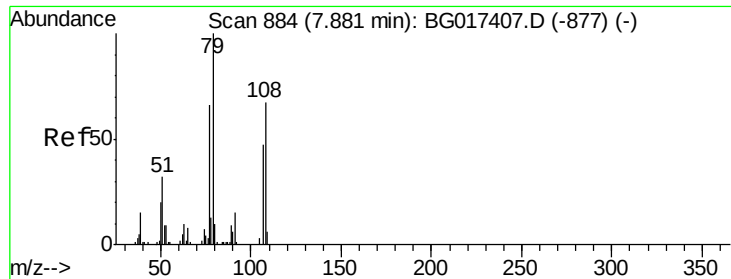
#14
 1,2-Dichlorobenzene
 Concen: 41.05 ng
 RT: 7.96 min Scan# 897
 Delta R.T. -0.00 min
 Lab File: BG017551.D
 Acq: 8 Jun 2015 21:17

Tgt Ion:146 Resp: 59876
 Ion Ratio Lower Upper
 146 100
 148 62.3 46.9 70.3
 111 44.1 35.0 52.4



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

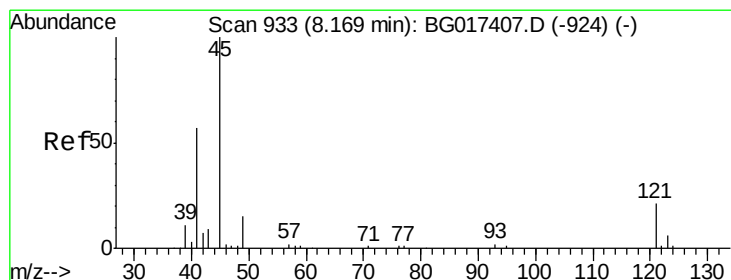
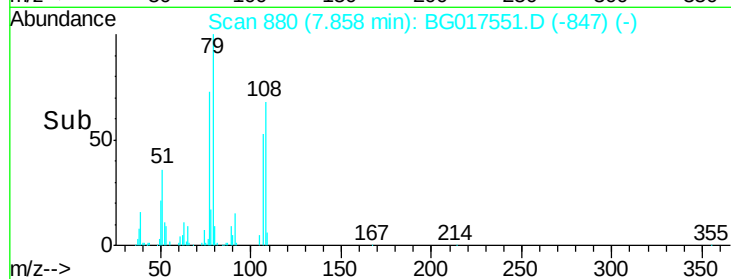
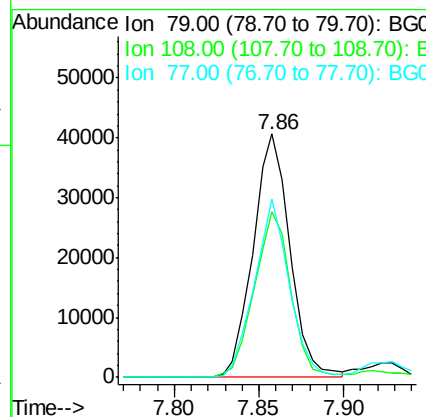
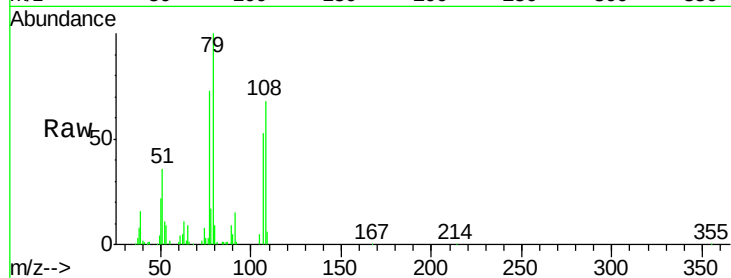




#15
Benzyl Alcohol
Concen: 43.16 ng
RT: 7.86 min Scan# 880
Delta R.T. -0.01 min
Lab File: BG017551.D
Acq: 8 Jun 2015 21:17

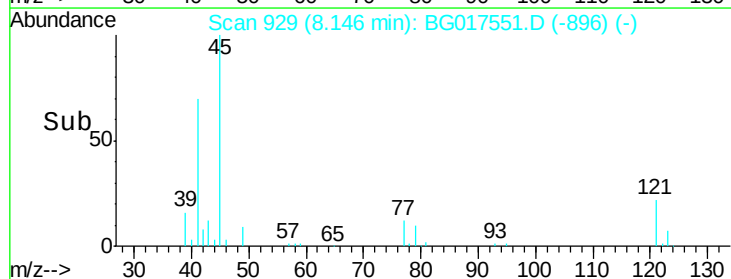
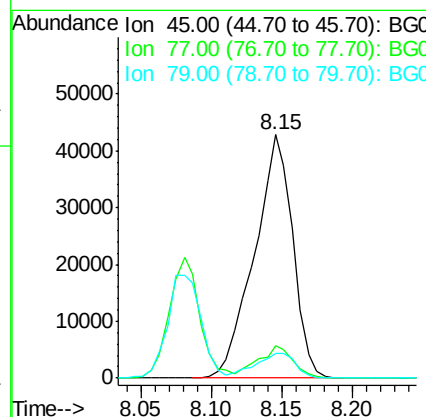
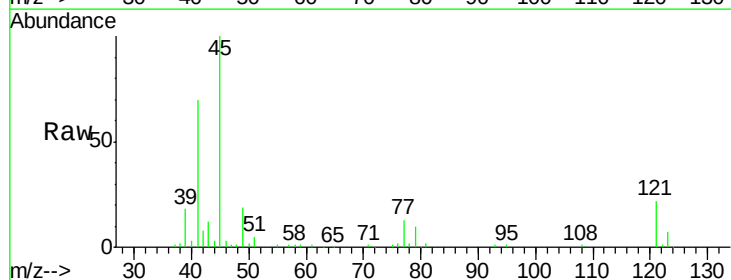
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040EC

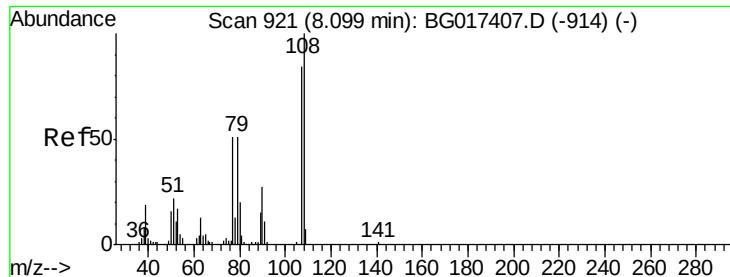
Tgt Ion: 79 Resp: 61577
Ion Ratio Lower Upper
79 100
108 67.8 53.7 80.5
77 73.2 53.0 79.4



#16
2,2'-oxybis(1-chloropropane)
Concen: 40.27 ng
RT: 8.15 min Scan# 929
Delta R.T. -0.01 min
Lab File: BG017551.D
Acq: 8 Jun 2015 21:17

Tgt Ion: 45 Resp: 81400
Ion Ratio Lower Upper
45 100
77 13.1 0.0 33.9
79 10.0 0.0 29.0

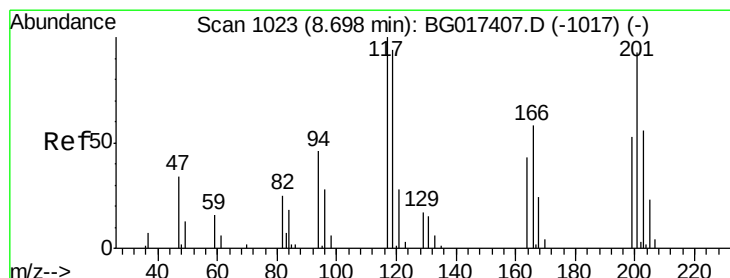
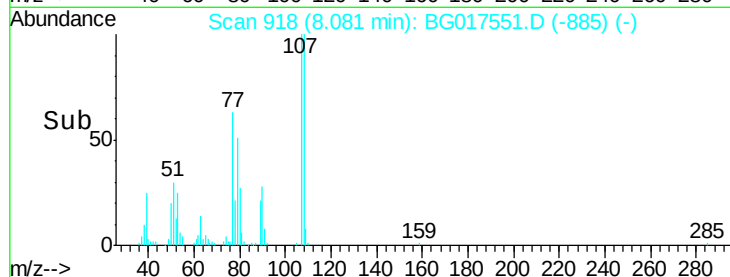
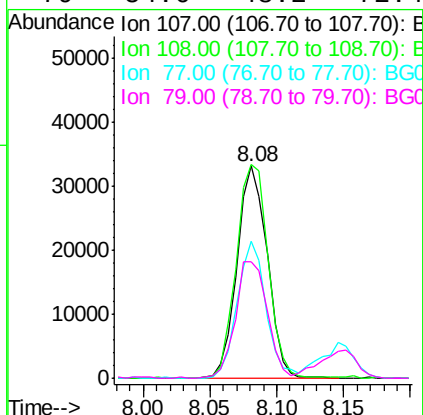
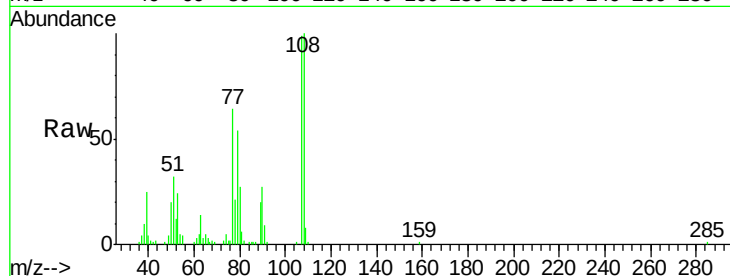




#17
2-Methylphenol
Concen: 43.35 ng
RT: 8.08 min Scan# 918
Delta R.T. -0.01 min
Lab File: BG017551.D
Acq: 8 Jun 2015 21:17

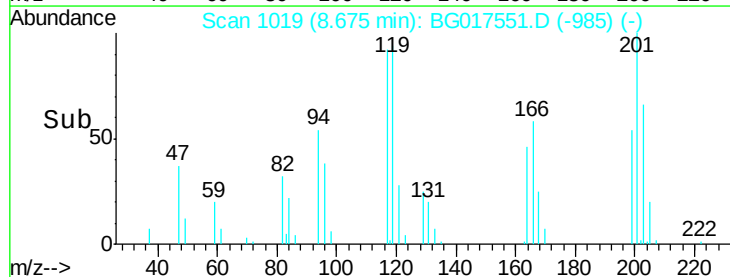
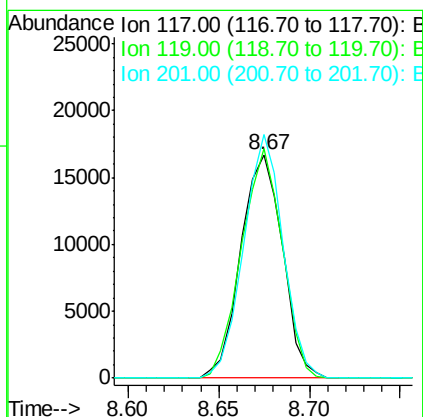
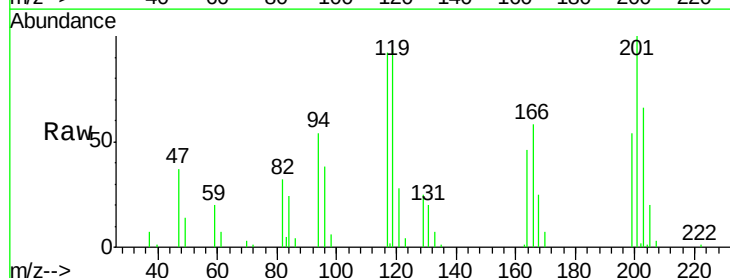
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040EC

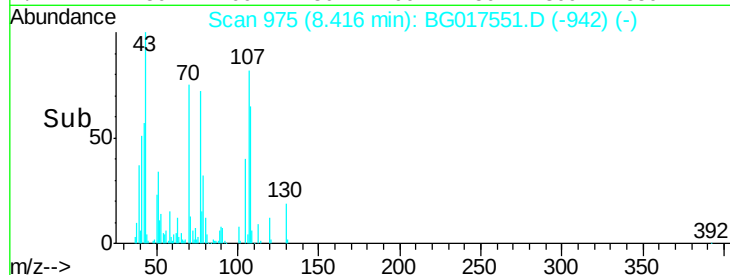
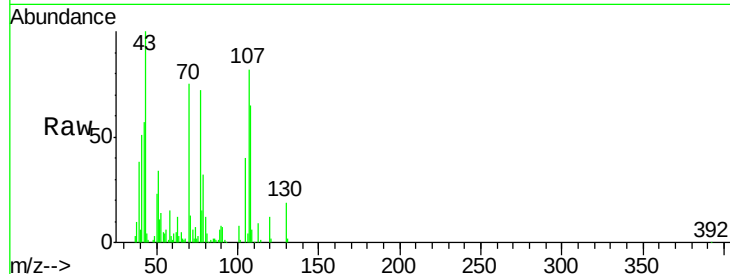
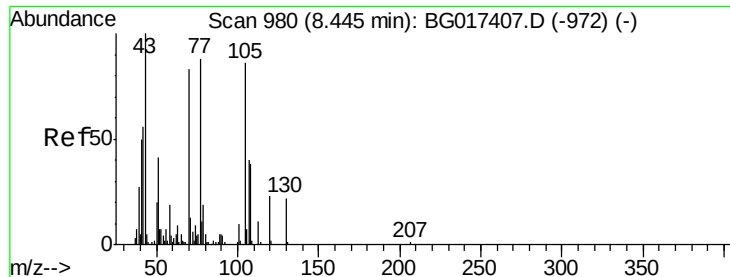
Tgt Ion:	107	Resp:	51768
Ion	Ratio	Lower	Upper
107	100		
108	100.7	95.4	143.0
77	64.5	48.8	73.2
79	54.6	48.2	72.4



#18
Hexachloroethane
Concen: 42.98 ng
RT: 8.67 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BG017551.D
Acq: 8 Jun 2015 21:17

Tgt Ion:	117	Resp:	26716
Ion	Ratio	Lower	Upper
117	100		
119	102.6	75.0	112.4
201	109.0	74.2	111.2

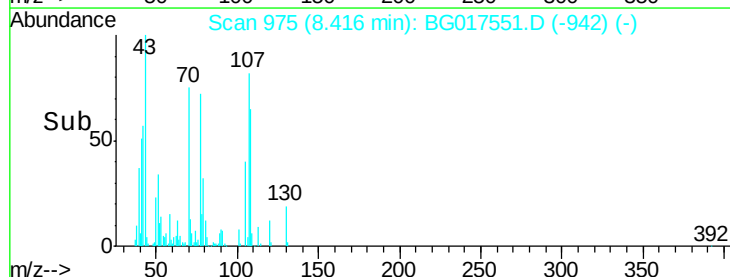
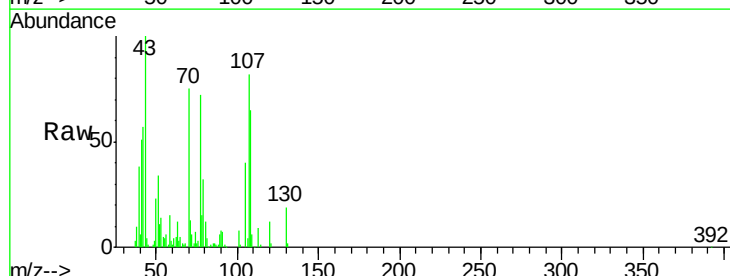
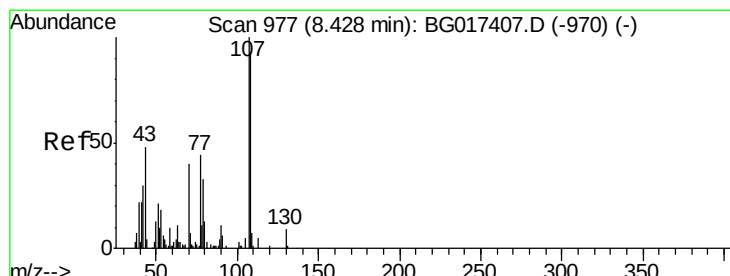
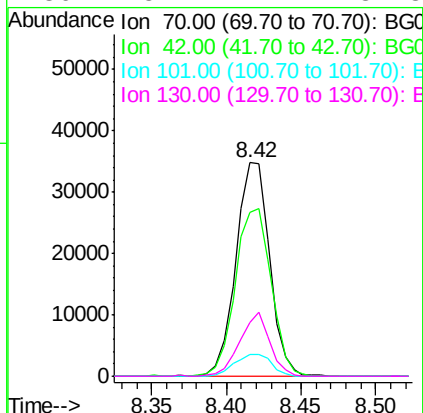




#19
n-Nitroso-di-n-propylamine
Concen: 42.17 ng
RT: 8.42 min Scan# 975
Delta R.T. -0.01 min
Lab File: BG017551.D
Acq: 8 Jun 2015 21:17

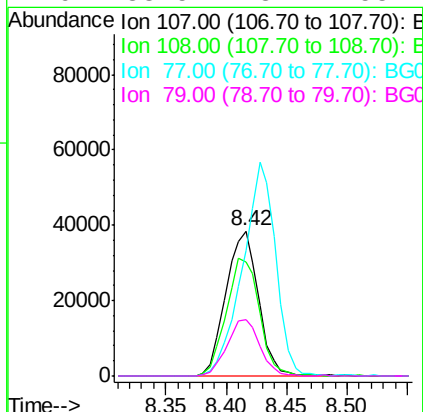
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040EC

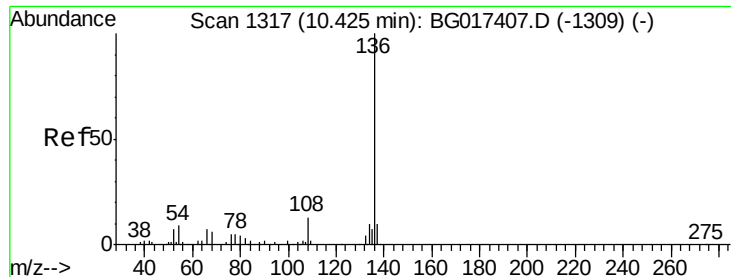
Tgt Ion:	70	Resp:	54665
Ion	Ratio	Lower	Upper
70	100		
42	76.7	53.8	80.8
101	10.3	9.5	14.3
130	25.2	21.2	31.8



#20
3+4-Methylphenols
Concen: 43.57 ng
RT: 8.42 min Scan# 975
Delta R.T. -0.01 min
Lab File: BG017551.D
Acq: 8 Jun 2015 21:17

Tgt Ion:	107	Resp:	71985
Ion	Ratio	Lower	Upper
107	100		
108	78.4	73.0	113.0
77	86.8	23.9	63.9
79	38.5	13.4	53.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.40 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BG017551.D

Acq: 8 Jun 2015 21:17

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

Tgt Ion:136 Resp: 92412

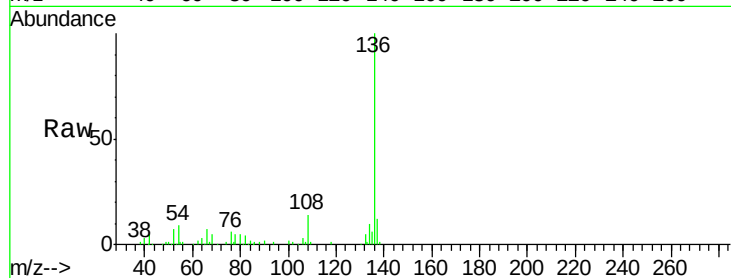
Ion Ratio Lower Upper

136 100

137 11.9 7.9 11.9

54 9.2 7.2 10.8

68 4.6 4.5 6.7

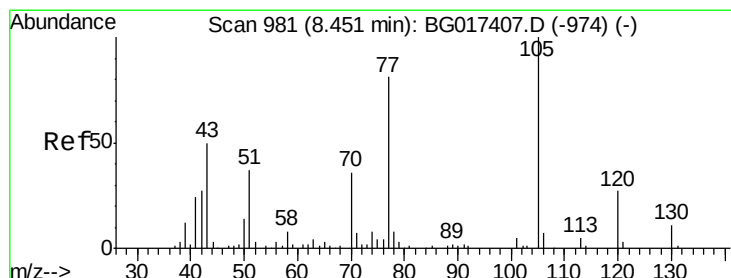
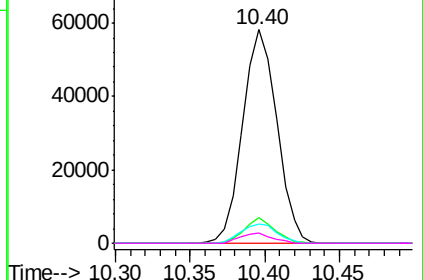
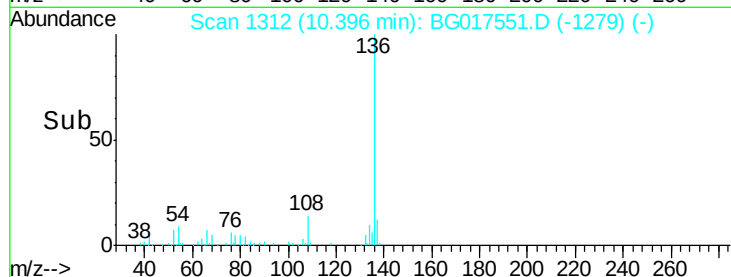


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 38.76 ng

RT: 8.43 min Scan# 978

Delta R.T. -0.00 min

Lab File: BG017551.D

Acq: 8 Jun 2015 21:17

Tgt Ion:105 Resp: 87813

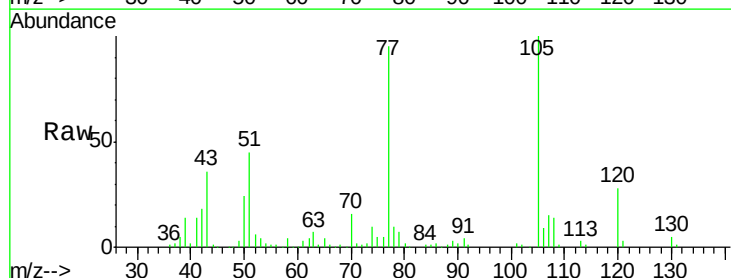
Ion Ratio Lower Upper

105 100

71 2.1 5.3 7.9#

51 44.7 32.4 48.6

120 27.7 21.4 32.2



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

