

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121115\
 Data File : BG020088.D
 Acq On : 10 Dec 2015 23:53
 Operator : UM/SJ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040

Quant Time: Dec 11 04:52:02 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 02 18:50:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	19423	20.00	ng	-0.03
21) Naphthalene-d8	10.93	136	83650	20.00	ng	-0.02
38) Acenaphthene-d10	14.74	164	55135	20.00	ng	-0.03
63) Phenanthrene-d10	17.48	188	136144	20.00	ng	-0.03
75) Chrysene-d12	21.76	240	164129	20.00	ng	-0.03
86) Perylene-d12	25.04	264	150087	20.00	ng	-0.06

System Monitoring Compounds

5) 2-Fluorophenol	5.65	112	88859	82.69	ng	-0.02
7) Phenol-d6	7.26	99	133165	82.07	ng	-0.02
23) Nitrobenzene-d5	9.28	82	133896	81.69	ng	-0.02
41) 2,4,6-Tribromophenol	16.22	330	65302	77.41	ng	-0.02
44) 2-Fluorobiphenyl	13.36	172	326541	80.87	ng	-0.03
78) Terphenyl-d14	20.08	244	537340	79.86	ng	-0.03

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	16317	38.97	ng	# 100
3) Pyridine	3.93	79	50623	39.81	ng	91
4) n-Nitrosodimethylamine	3.84	42	22708	33.96	ng	88
6) Aniline	7.43	93	83346	39.67	ng	# 84
8) 2-Chlorophenol	7.67	128	53704	40.98	ng	93
9) Benzaldehyde	7.24	77	37665	34.81	ng	91
10) Phenol	7.29	94	71536	41.89	ng	83
11) bis(2-Chloroethyl)ether	7.52	93	49922	39.47	ng	90
12) 1,3-Dichlorobenzene	8.00	146	59001	39.72	ng	# 90
13) 1,4-Dichlorobenzene	8.14	146	60155	39.21	ng	93
14) 1,2-Dichlorobenzene	8.47	146	58552	40.02	ng	96
15) Benzyl Alcohol	8.34	79	51972	36.50	ng	90
16) 2,2'-oxybis(1-Chloropropan	8.63	45	73593	35.68	ng	92
17) 2-Methylphenol	8.54	107	48261	40.03	ng	# 93
18) Hexachloroethane	9.20	117	21571	37.55	ng	93
19) n-Nitroso-di-n-propylamine	8.91	70	44943	35.12	ng	94
20) 3+4-Methylphenols	8.87	107	66184	38.99	ng	95
22) Acetophenone	8.93	105	89971	39.24	ng	# 94
24) Nitrobenzene	9.32	77	73433	41.30	ng	90
25) Isophorone	9.84	82	127712	36.34	ng	97
26) 2-Nitrophenol	10.04	139	32341	47.10	ng	# 82
27) 2,4-Dimethylphenol	10.08	122	56609	39.59	ng	90
28) bis(2-Chloroethoxy)methane	10.32	93	67015	39.03	ng	98
29) 2,4-Dichlorophenol	10.57	162	60906	41.69	ng	97
30) 1,2,4-Trichlorobenzene	10.79	180	66330	40.18	ng	94
31) Naphthalene	10.98	128	176875	39.47	ng	99
32) Benzoic acid	10.21	122	45020	46.88	ng	# 87
33) 4-Chloroaniline	11.08	127	76525	38.75	ng	# 91
34) Hexachlorobutadiene	11.26	225	46413	38.11	ng	96
35) Caprolactam	11.86	113	19062	35.05	ng	# 81
36) 4-Chloro-3-methylphenol	12.19	107	68920	37.88	ng	92
37) 2-Methylnaphthalene	12.57	142	125059	38.08	ng	96
39) 1,2,4,5-Tetrachlorobenzene	12.94	216	86320	41.26	ng	97
40) Hexachlorocyclopentadiene	12.92	237	30940	25.93	ng	98

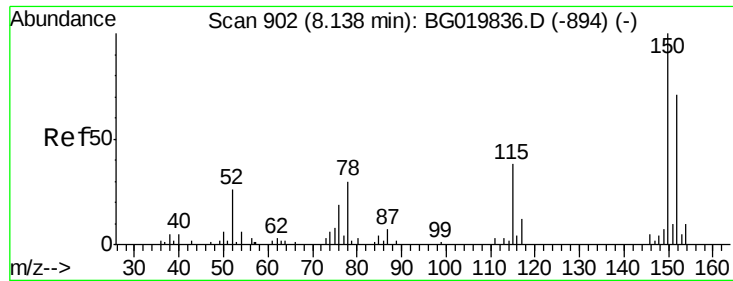
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121115\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 02 18:50:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.17	196	57737	41.68	ng	96
43) 2,4,5-Trichlorophenol	13.24	196	60940	41.62	ng	97
45) 1,1'-Biphenyl	13.57	154	181639	40.14	ng	98
46) 2-Chloronaphthalene	13.62	162	142777	40.94	ng	97
47) 2-Nitroaniline	13.82	65	46702	42.40	ng	90
48) Acenaphthylene	14.47	152	233034	39.23	ng	98
49) Dimethylphthalate	14.19	163	183664	37.03	ng	97
50) 2,6-Dinitrotoluene	14.31	165	39778	42.66	ng	# 78
51) Acenaphthene	14.80	154	143137	39.71	ng	99
52) 3-Nitroaniline	14.64	138	41049	42.37	ng	95
53) 2,4-Dinitrophenol	14.84	184	14654	35.38	ng	90
54) Dibenzofuran	15.14	168	207063	38.61	ng	95
55) 4-Nitrophenol	14.94	139	31943	37.86	ng	# 72
56) 2,4-Dinitrotoluene	15.10	165	57413	44.13	ng	# 97
57) Fluorene	15.78	166	178601	37.21	ng	99
58) 2,3,4,6-Tetrachlorophenol	15.36	232	53944	39.81	ng	95
59) Diethylphthalate	15.55	149	188453	35.11	ng	98
60) 4-Chlorophenyl-phenylether	15.77	204	102205	37.09	ng	96
61) 4-Nitroaniline	15.80	138	43119	39.57	ng	# 75
62) Azobenzene	16.07	77	161043	36.06	ng	95
64) 4,6-Dinitro-2-methylphenol	15.85	198	28443	38.56	ng	92
65) n-Nitrosodiphenylamine	15.99	169	157916	40.08	ng	94
66) 4-Bromophenyl-phenylether	16.66	248	67758	40.05	ng	96
67) Hexachlorobenzene	16.79	284	70467	39.99	ng	95
68) Atrazine	16.93	200	64182	37.50	ng	97
69) Pentachlorophenol	17.13	266	43838	42.62	ng	94
70) Phenanthrene	17.52	178	303070	39.35	ng	97
71) Anthracene	17.62	178	306330	39.04	ng	95
72) Carbazole	17.88	167	268754	38.88	ng	97
73) Di-n-butylphthalate	18.43	149	322071	38.02	ng	99
74) Fluoranthene	19.53	202	385648	39.14	ng	93
76) Benzidine	19.70	184	181124	33.60	ng	96
77) Pyrene	19.89	202	386995	40.08	ng	96
79) Butylbenzylphthalate	20.77	149	150219	39.69	ng	95
80) Benzo(a)anthracene	21.73	228	393777	39.19	ng	99
81) 3,3'-Dichlorobenzidine	21.65	252	143416	37.48	ng	# 99
82) Chrysene	21.81	228	373787	39.18	ng	97
83) Bis(2-ethylhexyl)phthalate	21.63	149	209707	37.76	ng	97
84) Di-n-octyl phthalate	22.86	149	357992	39.64	ng	# 95
85) Indeno(1,2,3-cd)pyrene	28.78	276	389032	37.02	ng	# 100
87) Benzo(b)fluoranthene	23.99	252	356002	37.43	ng	# 94
88) Benzo(k)fluoranthene	24.06	252	362173	38.44	ng	# 94
89) Benzo(a)pyrene	24.88	252	353909	39.19	ng	# 94
90) Dibenzo(a,h)anthracene	28.85	278	320111	35.88	ng	# 93
91) Benzo(g,h,i)perylene	29.95	276	280306	31.99	ng	# 93

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.11 min Scan# 897

Delta R.T. -0.03 min

Lab File: BG020088.D

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SSTDCCC040

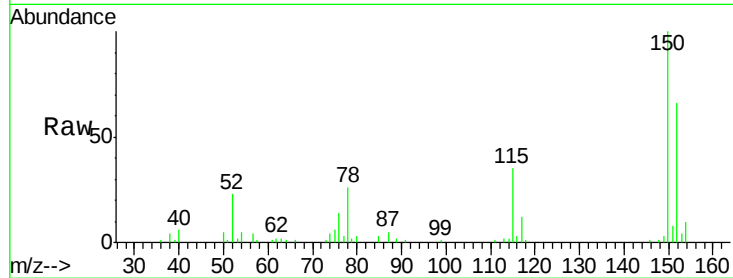
Tgt Ion:152 Resp: 19423

Ion Ratio Lower Upper

152 100

150 151.0 115.0 172.4

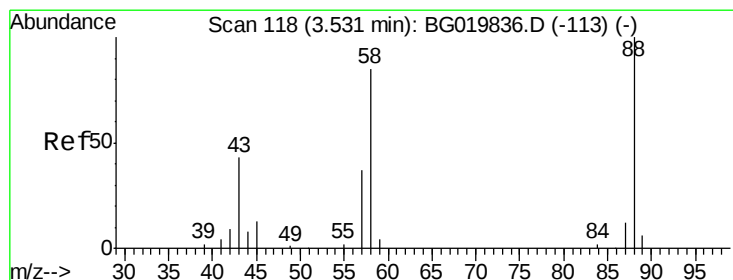
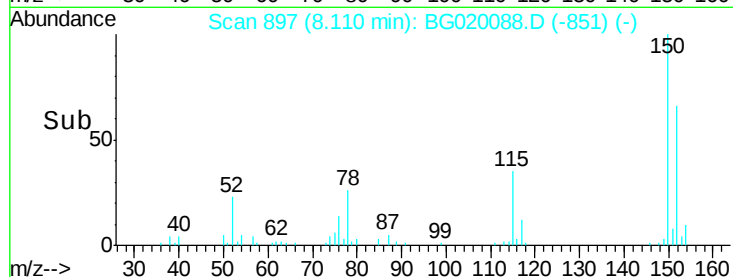
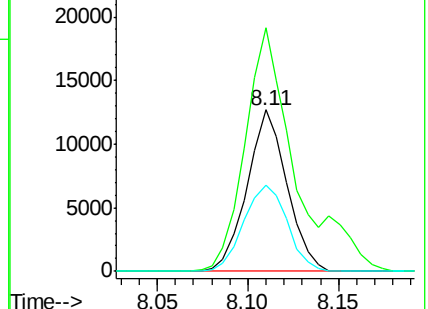
115 53.5 43.9 65.9



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: 38.97 ng

RT: 3.52 min Scan# 116

Delta R.T. -0.01 min

Lab File: BG020088.D

Acq: 10 Dec 2015 23:53

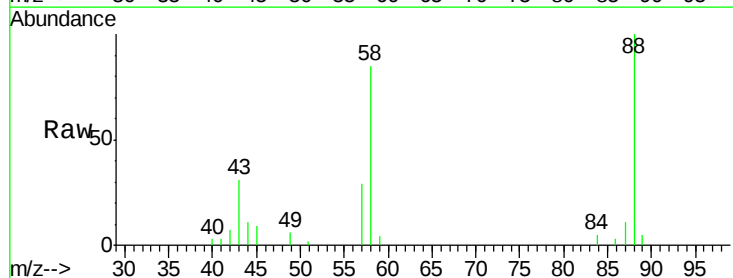
Tgt Ion: 88 Resp: 16317

Ion Ratio Lower Upper

88 100

58 78.6 0.0 0.0#

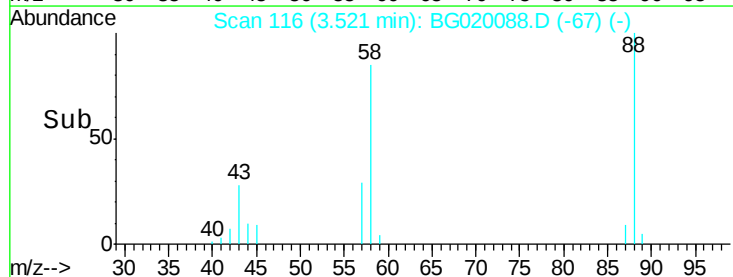
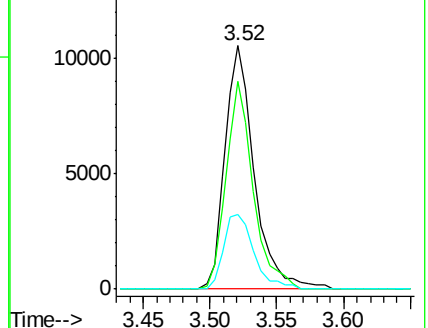
43 31.8 0.0 0.0#



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: 39.81 ng

RT: 3.93 min Scan# 185

Delta R.T. -0.02 min

Lab File: BG020088.D

Acq: 10 Dec 2015 23:53

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

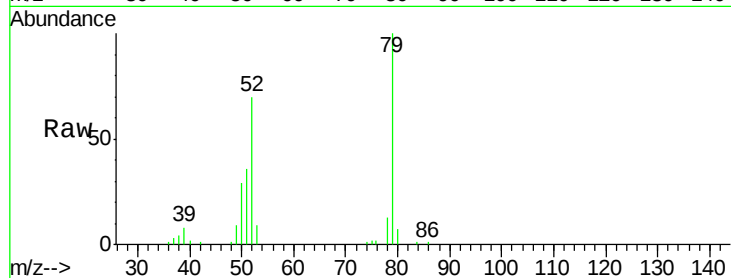
Tgt Ion: 79 Resp: 50623

Ion Ratio Lower Upper

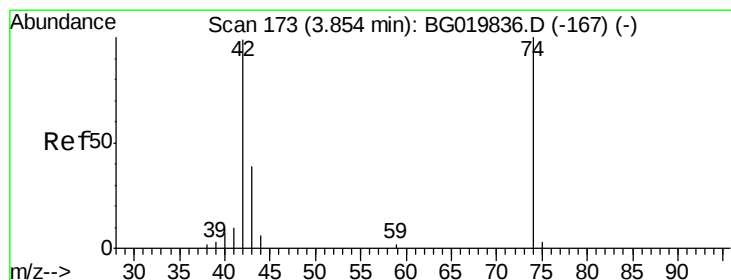
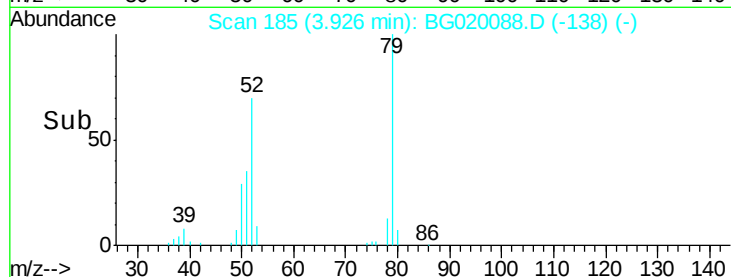
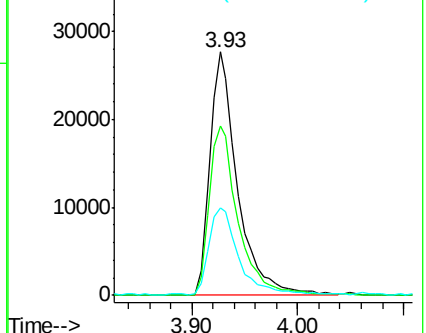
79 100

52 69.5 50.3 75.5

51 36.0 24.8 37.2



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: 33.96 ng

RT: 3.84 min Scan# 170

Delta R.T. -0.02 min

Lab File: BG020088.D

Acq: 10 Dec 2015 23:53

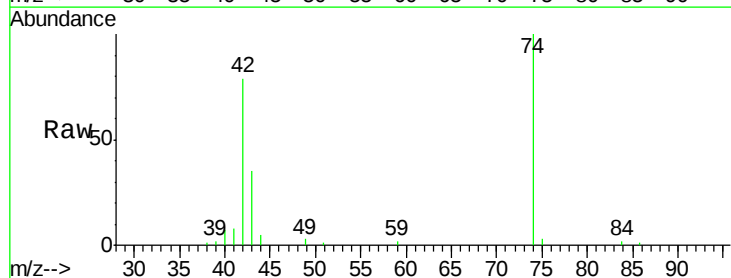
Tgt Ion: 42 Resp: 22708

Ion Ratio Lower Upper

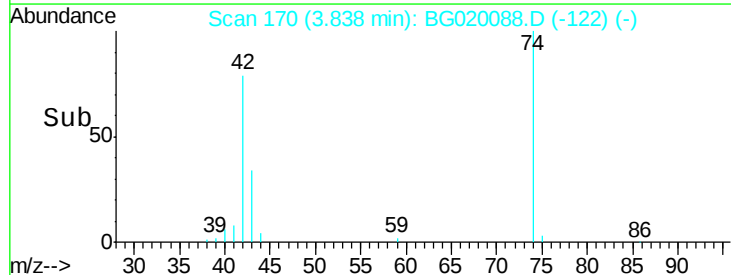
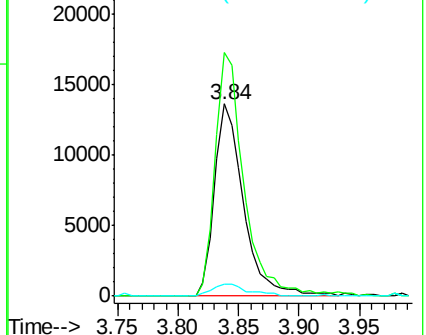
42 100

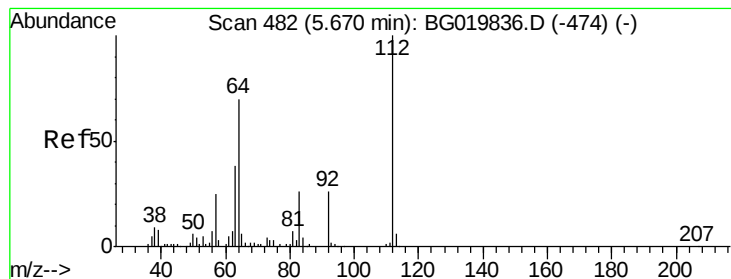
74 126.9 113.9 170.9

44 6.2 5.7 8.5



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: 82.69 ng

RT: 5.65 min Scan# 479

Delta R.T. -0.02 min

Lab File: BG020088.D

Acq: 10 Dec 2015 23:53

Instrument :

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ClientSampleId :

SSTDCCC040

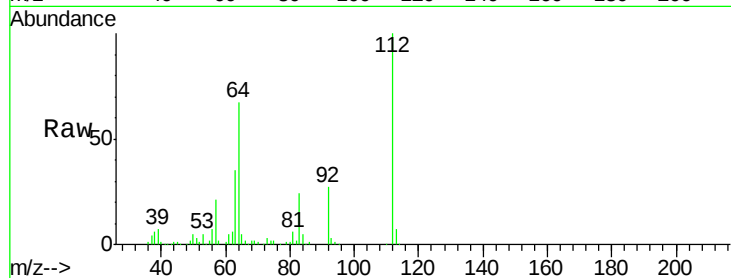
Tgt Ion: 112 Resp: 88859

Ion Ratio Lower Upper

112 100

64 66.5 43.7 65.5#

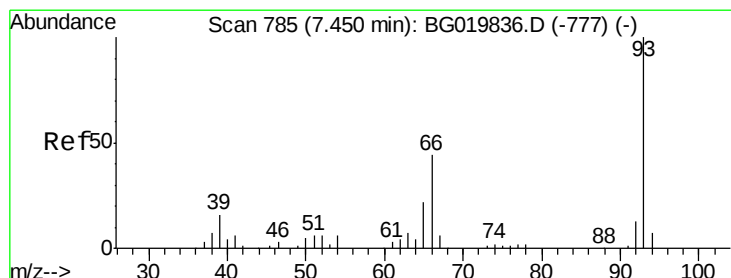
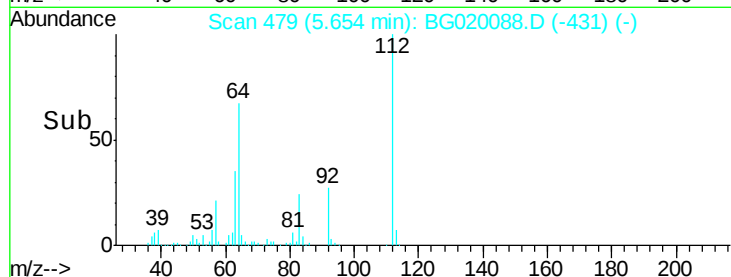
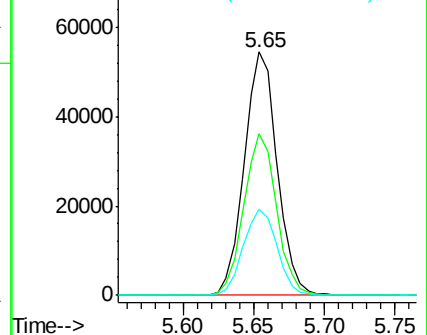
63 35.3 24.0 36.0



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: 39.67 ng

RT: 7.43 min Scan# 781

Delta R.T. -0.02 min

Lab File: BG020088.D

Acq: 10 Dec 2015 23:53

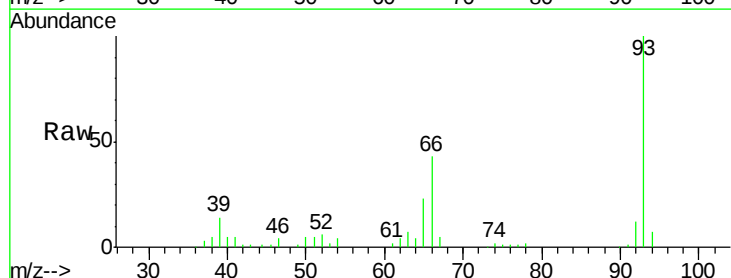
Tgt Ion: 93 Resp: 83346

Ion Ratio Lower Upper

93 100

66 42.7 26.2 39.2#

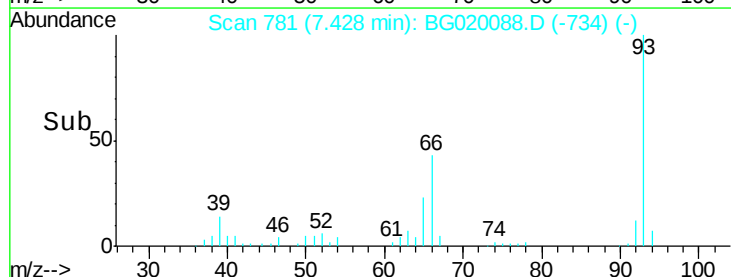
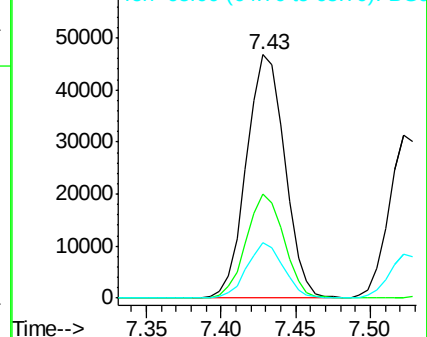
65 23.0 14.0 21.0#

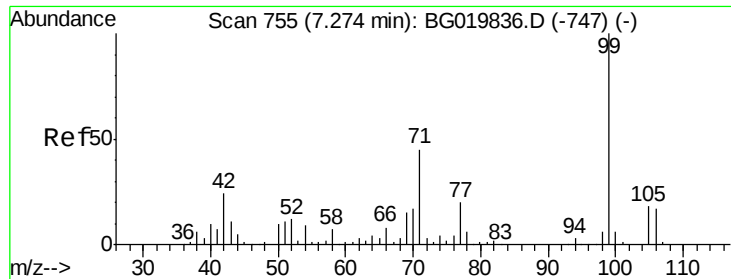


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 82.07 ng

RT: 7.26 min Scan# 752

Delta R.T. -0.02 min

Lab File: BG020088.D

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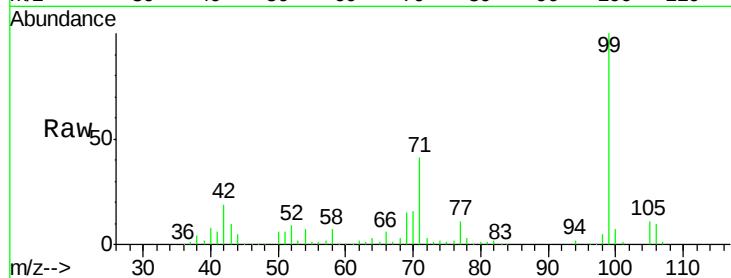
Tgt Ion: 99 Resp: 133165

Ion Ratio Lower Upper

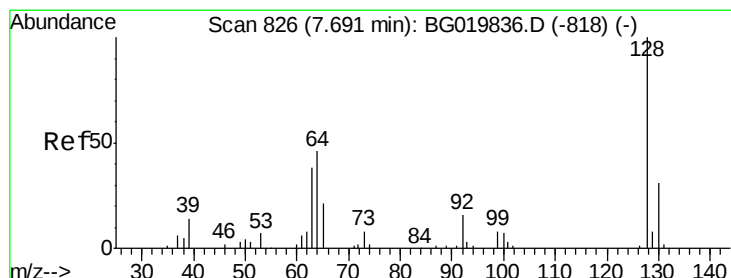
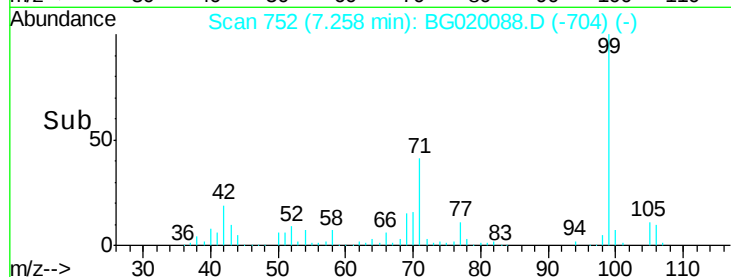
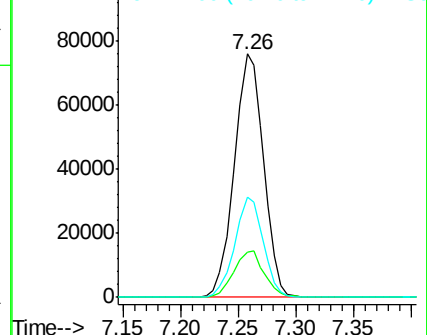
99 100

42 18.7 11.5 17.3#

71 41.4 22.6 34.0#



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: 40.98 ng

RT: 7.67 min Scan# 822

Delta R.T. -0.02 min

Lab File: BG020088.D

Acq: 10 Dec 2015 23:53

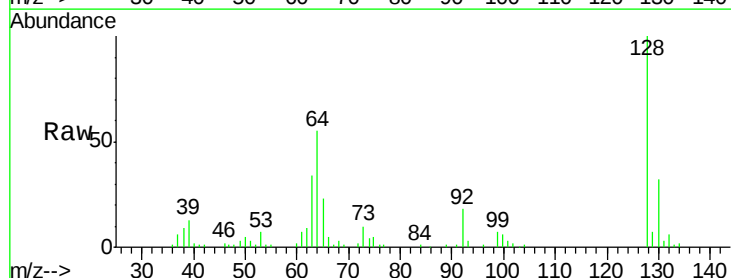
Tgt Ion: 128 Resp: 53704

Ion Ratio Lower Upper

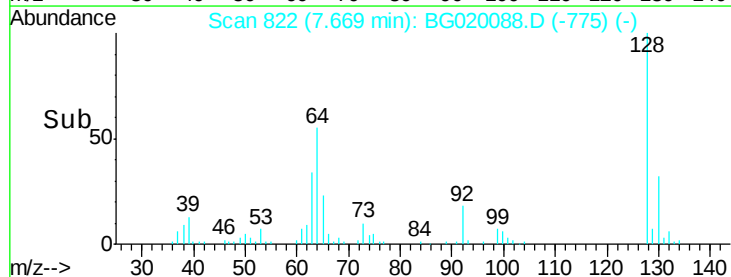
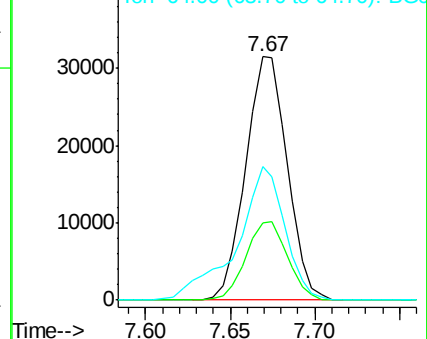
128 100

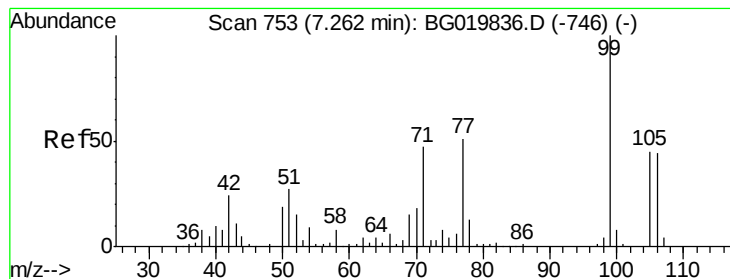
130 31.8 13.0 53.0

64 55.0 28.2 68.2



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: 34.81 ng

RT: 7.24 min Scan# 749

Delta R.T. -0.02 min

Lab File: BG020088.D

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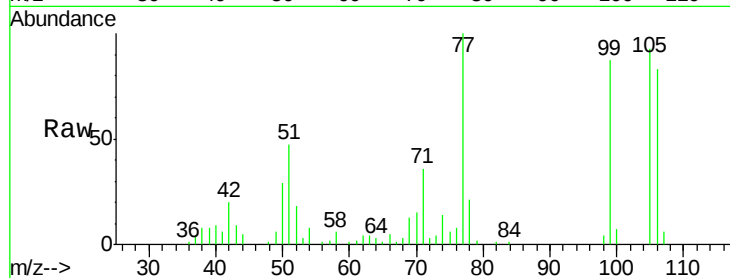
Tgt Ion: 77 Resp: 37665

Ion Ratio Lower Upper

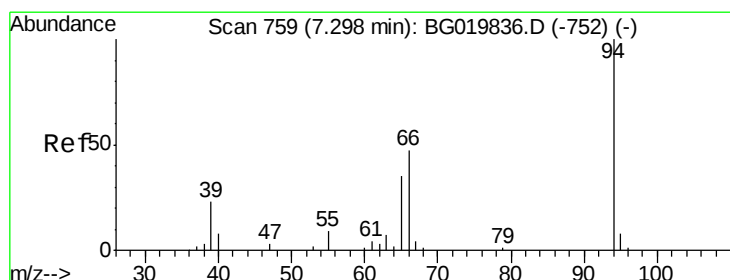
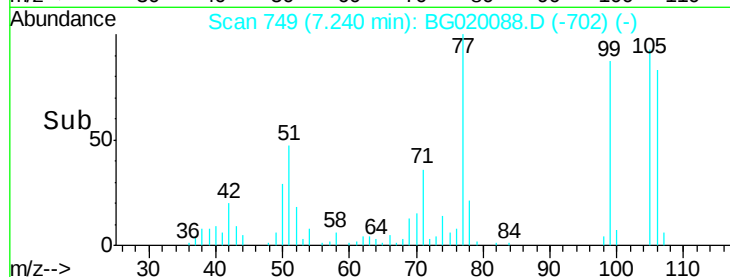
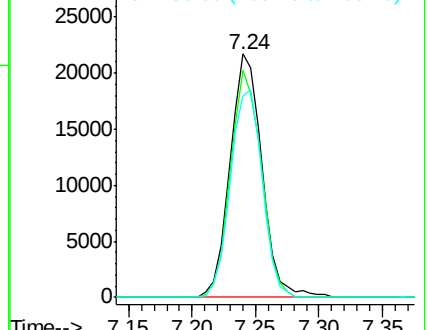
77 100

105 93.0 77.7 117.7

106 82.8 75.8 115.8



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: 41.89 ng

RT: 7.29 min Scan# 757

Delta R.T. -0.01 min

Lab File: BG020088.D

Acq: 10 Dec 2015 23:53

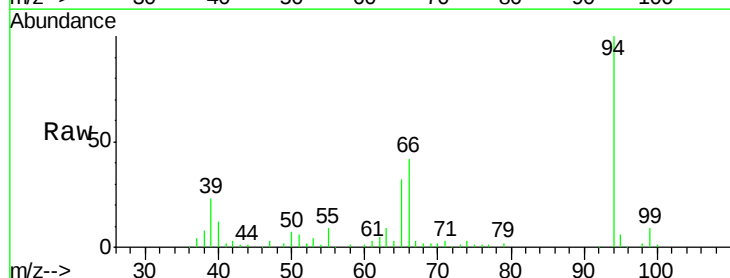
Tgt Ion: 94 Resp: 71536

Ion Ratio Lower Upper

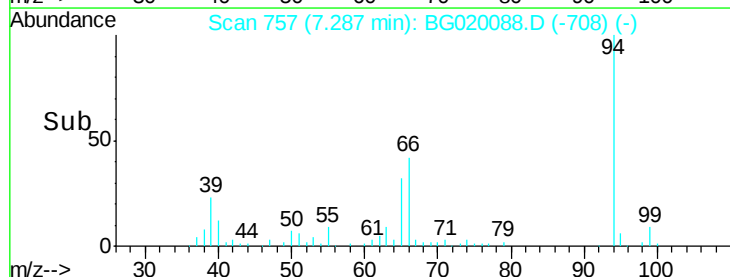
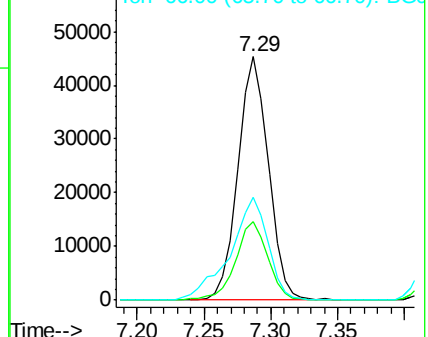
94 100

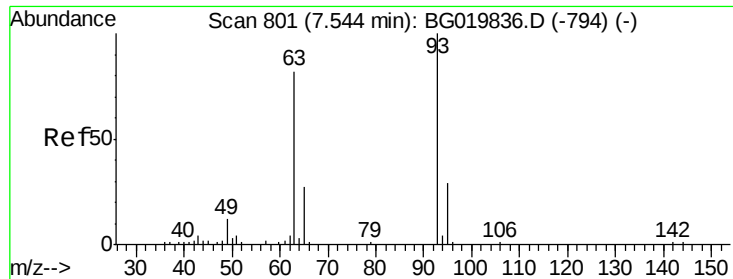
65 32.4 5.4 45.4

66 42.3 11.8 51.8



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: 39.47 ng

RT: 7.52 min Scan# 797

Delta R.T. -0.02 min

Lab File: BG020088.D

Acq: 10 Dec 2015 23:53

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

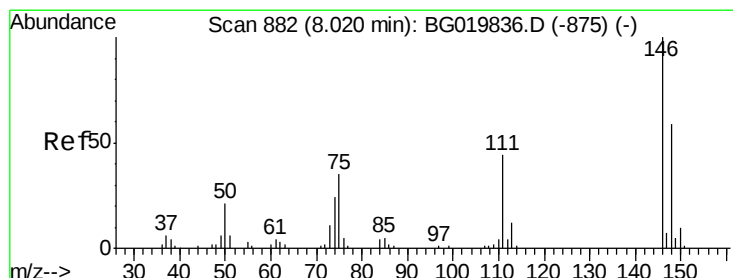
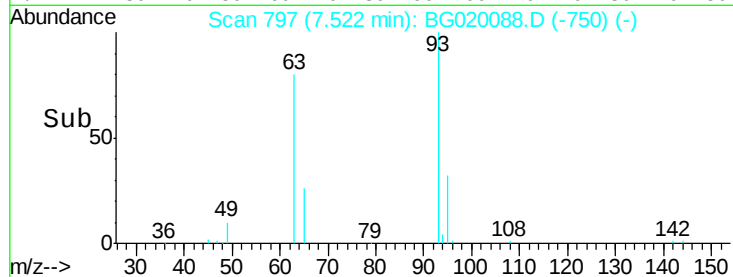
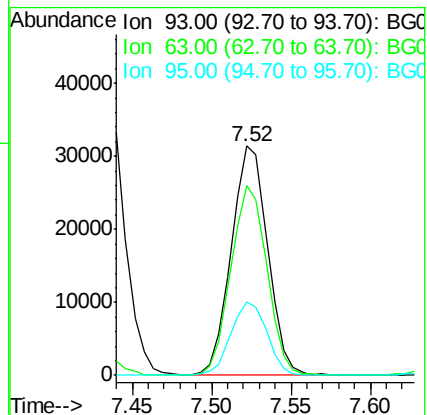
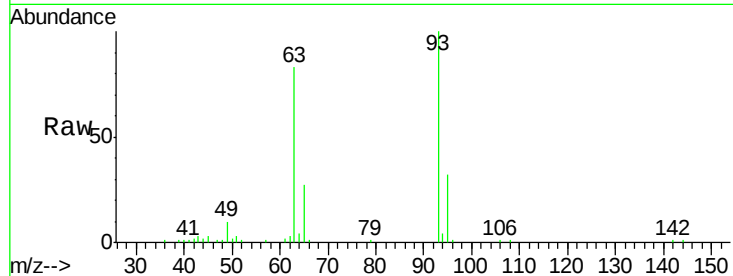
Tgt Ion: 93 Resp: 49922

Ion Ratio Lower Upper

93 100

63 82.6 50.5 90.5

95 32.1 12.2 52.2



#12

1,3-Dichlorobenzene

Concen: 39.72 ng

RT: 8.00 min Scan# 878

Delta R.T. -0.02 min

Lab File: BG020088.D

Acq: 10 Dec 2015 23:53

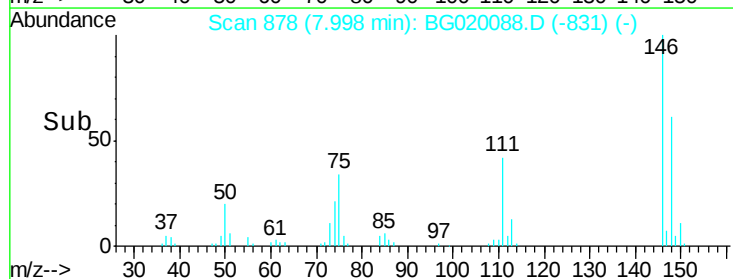
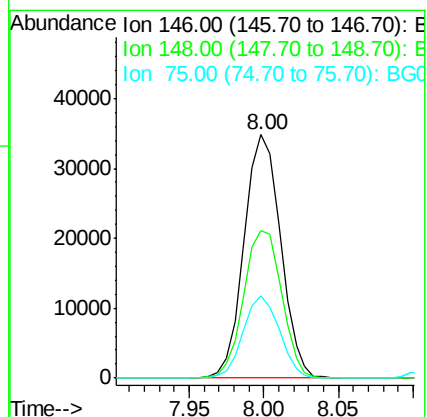
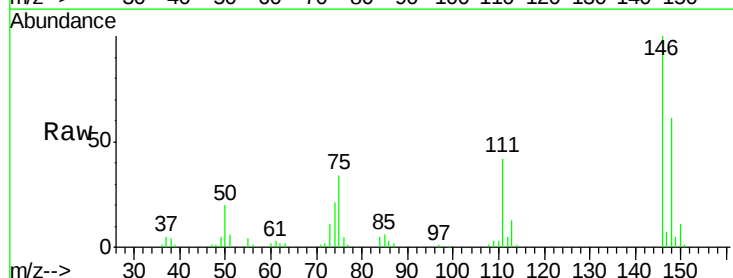
Tgt Ion: 146 Resp: 59001

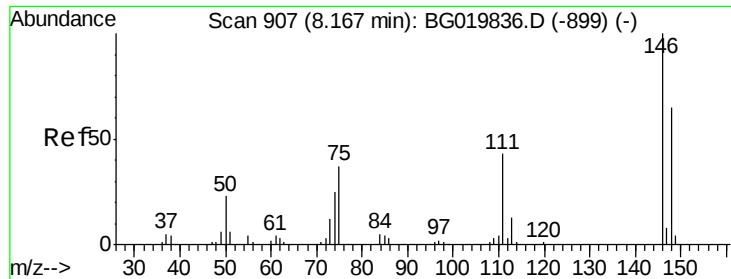
Ion Ratio Lower Upper

146 100

148 60.5 53.4 80.0

75 33.8 21.1 31.7#

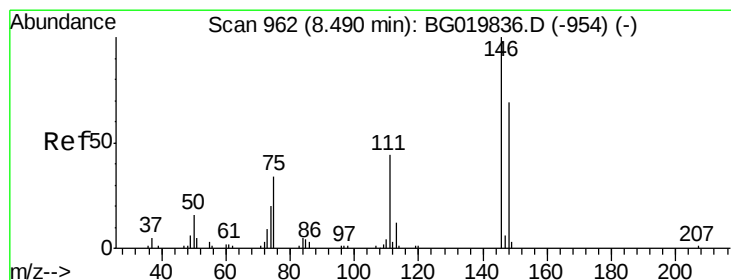
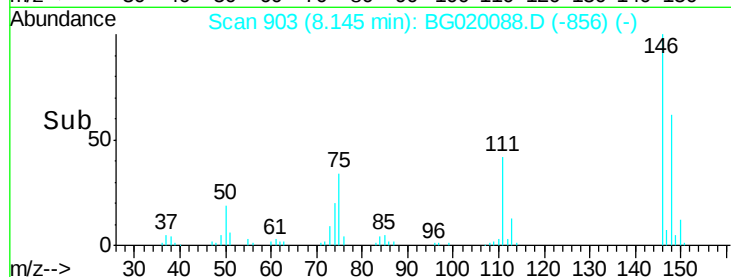
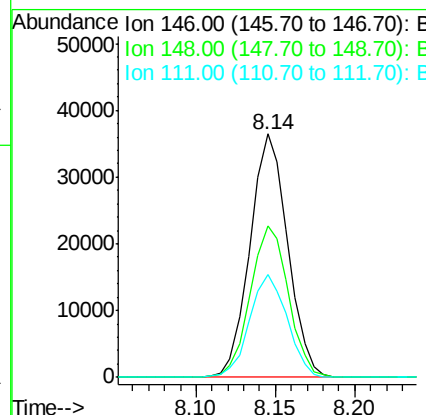
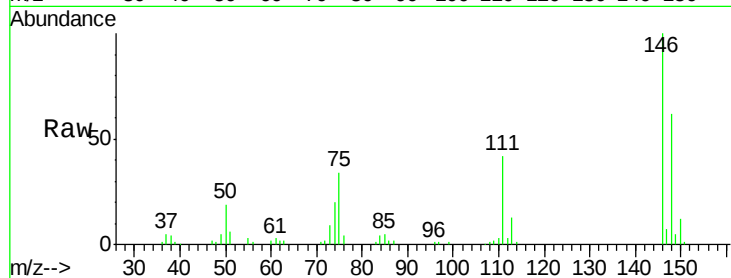




#13
 1,4-Dichlorobenzene
 Concen: 39.21 ng
 RT: 8.14 min Scan# 903
 Delta R.T. -0.02 min
 Lab File: BG020088.D
 Acq: 10 Dec 2015 23:53

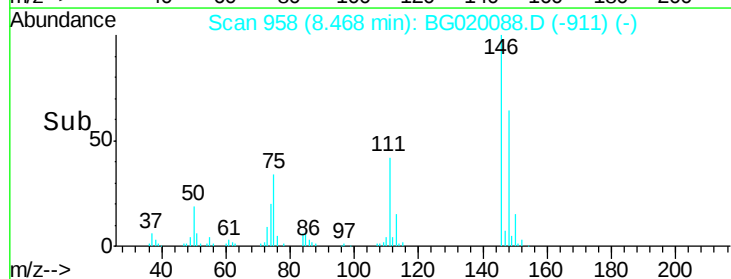
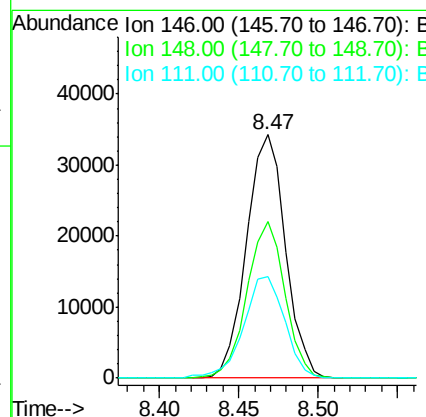
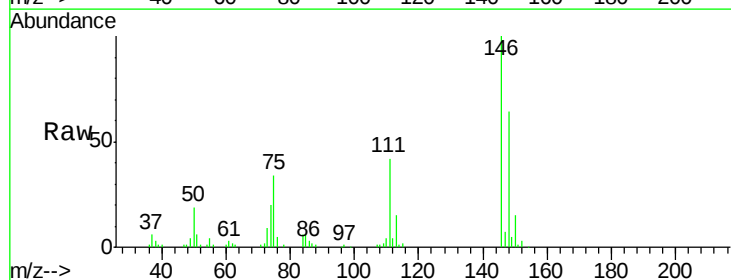
Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040

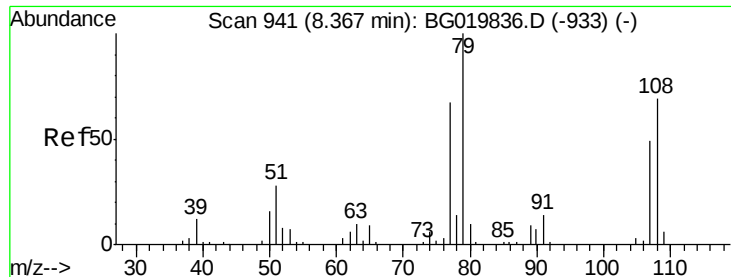
Tgt Ion:146 Resp: 60155
 Ion Ratio Lower Upper
 146 100
 148 62.4 52.5 78.7
 111 42.3 28.3 42.5



#14
 1,2-Dichlorobenzene
 Concen: 40.02 ng
 RT: 8.47 min Scan# 958
 Delta R.T. -0.02 min
 Lab File: BG020088.D
 Acq: 10 Dec 2015 23:53

Tgt Ion:146 Resp: 58552
 Ion Ratio Lower Upper
 146 100
 148 64.4 52.5 78.7
 111 41.8 29.9 44.9





#15

Benzyl Alcohol

Concen: 36.50 ng

RT: 8.34 min Scan# 937

Delta R.T. -0.02 min

Lab File: BG020088.D

Acq: 10 Dec 2015 23:53

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

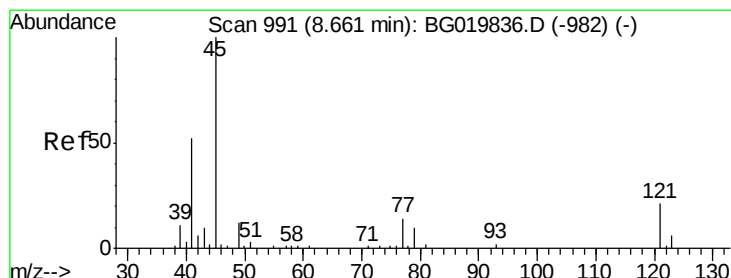
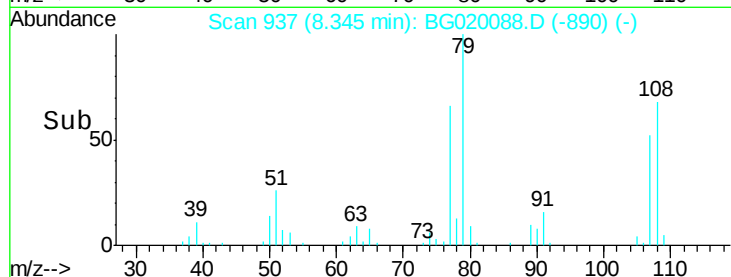
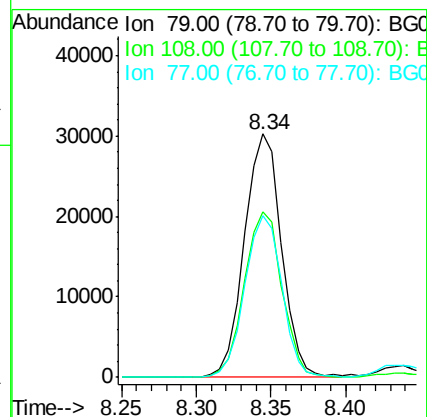
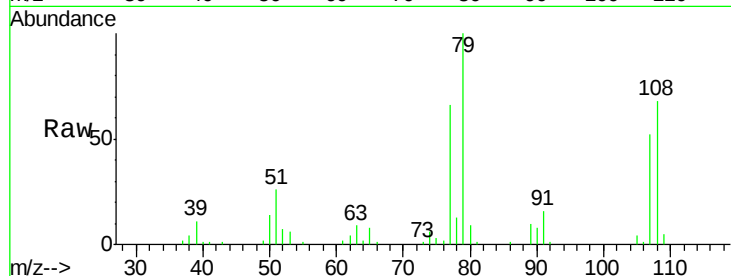
Tgt Ion: 79 Resp: 51972

Ion Ratio Lower Upper

79 100

108 67.9 65.5 98.3

77 66.3 51.3 76.9



#16

2,2'-oxybis(1-Chloropropane)

Concen: 35.68 ng

RT: 8.63 min Scan# 986

Delta R.T. -0.03 min

Lab File: BG020088.D

Acq: 10 Dec 2015 23:53

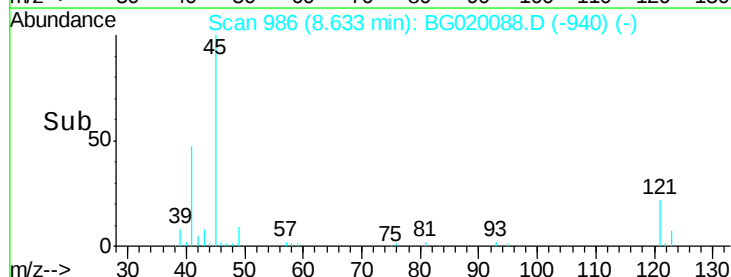
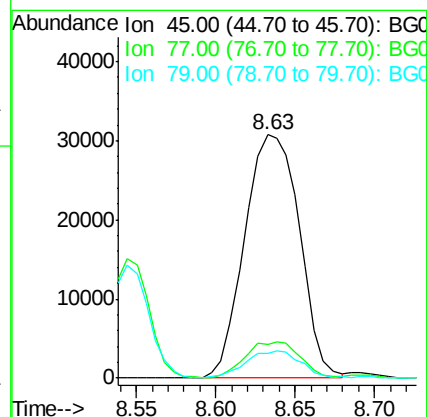
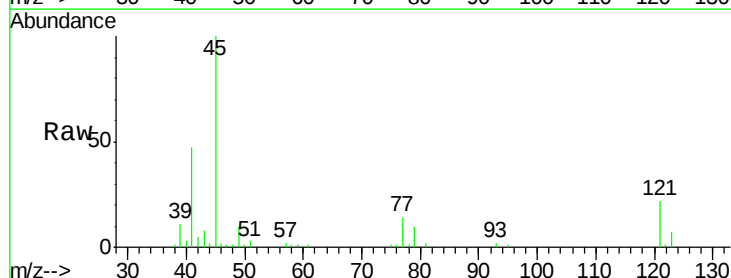
Tgt Ion: 45 Resp: 73593

Ion Ratio Lower Upper

45 100

77 14.0 0.0 37.0

79 10.3 0.0 33.8

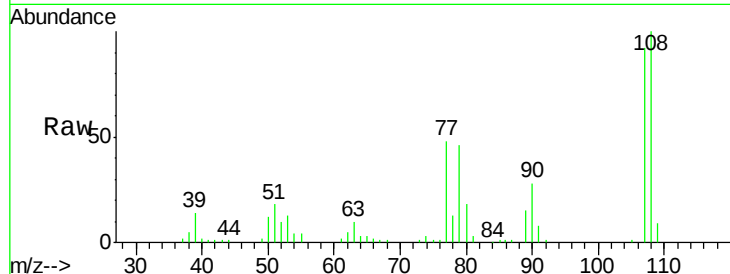




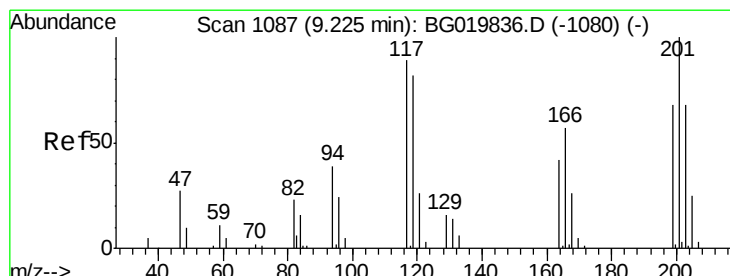
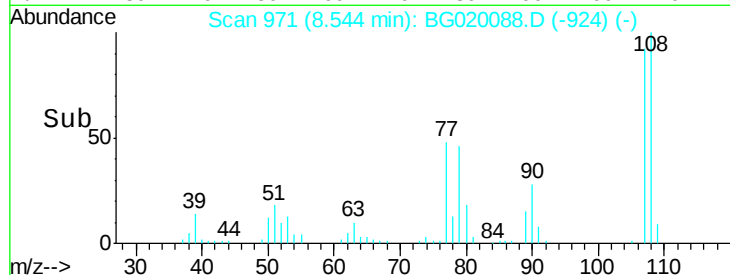
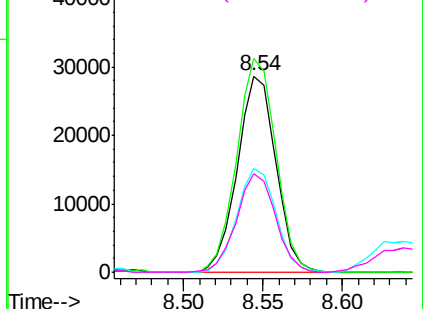
#17
2-Methylphenol
Concen: 40.03 ng
RT: 8.54 min Scan# 971
Delta R.T. -0.02 min
Lab File: BG020088.D
Acq: 10 Dec 2015 23:53

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 48261
Ion Ratio Lower Upper
107 100
108 109.0 86.5 129.7
77 52.8 34.6 51.8#
79 50.1 32.3 48.5#

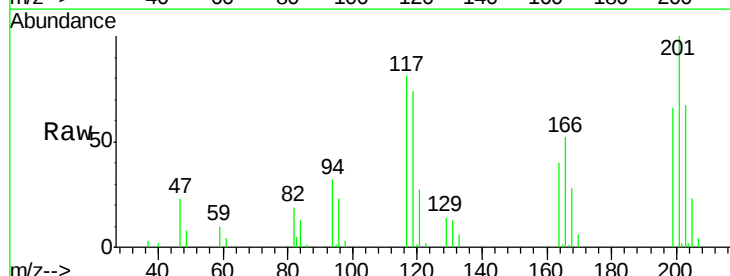


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

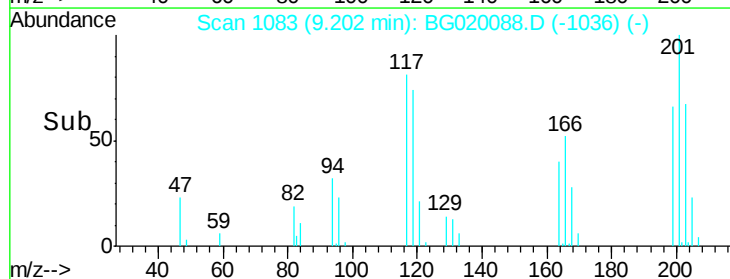
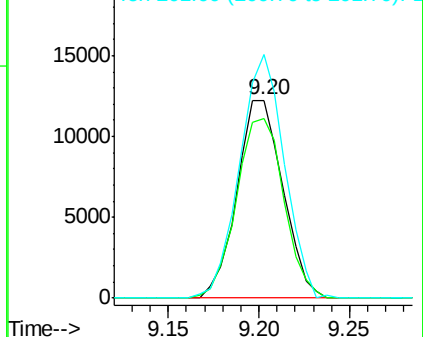


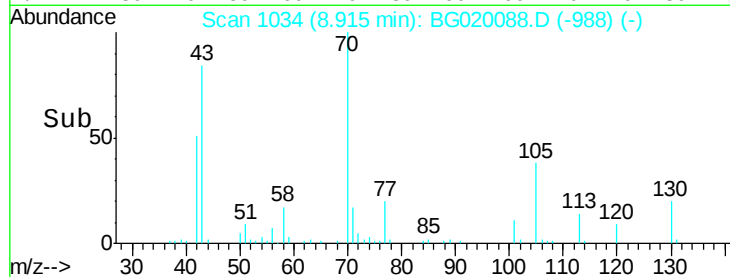
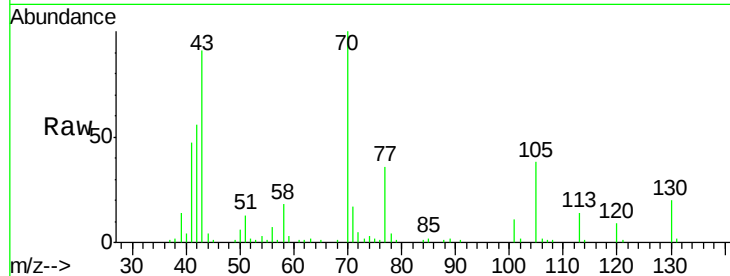
#18
Hexachloroethane
Concen: 37.55 ng
RT: 9.20 min Scan# 1083
Delta R.T. -0.02 min
Lab File: BG020088.D
Acq: 10 Dec 2015 23:53

Tgt Ion:117 Resp: 21571
Ion Ratio Lower Upper
117 100
119 90.8 71.7 107.5
201 125.7 90.9 136.3



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

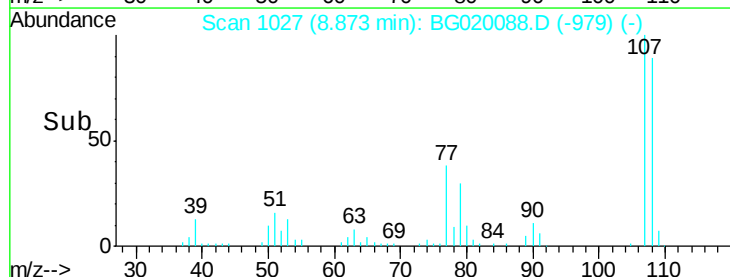
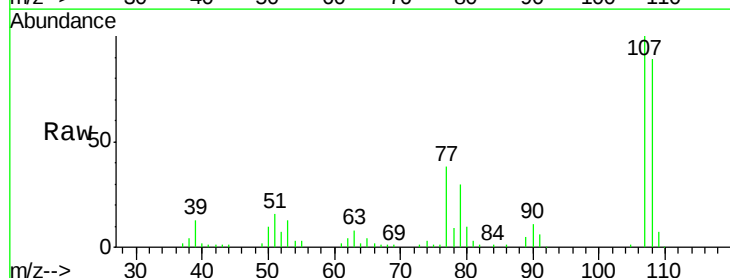
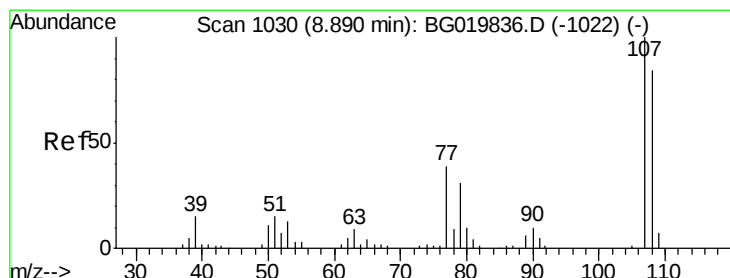
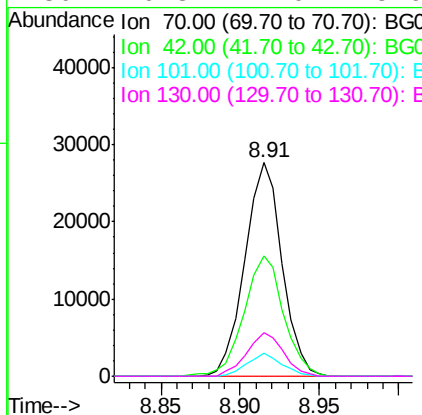




#19
n-Nitroso-di-n-propylamine
Concen: 35.12 ng
RT: 8.91 min Scan# 1034
Delta R.T. -0.03 min
Lab File: BG020088.D
Acq: 10 Dec 2015 23:53

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:	70	Resp:	44943
Ion	Ratio	Lower	Upper
70	100		
42	56.3	40.6	60.8
101	10.9	8.6	13.0
130	20.3	17.0	25.6



#20
3+4-Methylphenols
Concen: 38.99 ng
RT: 8.87 min Scan# 1027
Delta R.T. -0.02 min
Lab File: BG020088.D
Acq: 10 Dec 2015 23:53

Tgt Ion:	107	Resp:	66184
Ion	Ratio	Lower	Upper
107	100		
108	88.6	72.2	112.2
77	38.1	13.4	53.4
79	30.3	7.2	47.2

