

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
 Data File : BG020266.D
 Acq On : 18 Dec 2015 5:06
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02003

Quant Time: Dec 18 07:49:58 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 18 02:40:02 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	603	20.00	ng/ul	0.02
18) Naphthalene-d8	10.95	136	445	20.00	ng/ul	0.03
36) Acenaphthene-d10	0.00	164	0	0.00	ng/ul	-14.73
62) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-17.47
78) Chrysene-d12	0.00	240	0	0.00	ng/ul	-21.75
86) Perylene-d12	0.00	264	0	0.00	ng/ul	-25.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.49	96	88	8.06	ng/uL	0.02
5) Phenol-d5	7.27	99	10898	204.96	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.50	67	357	11.25	ng/ul	0.08
9) 2-Chlorophenol-d4	7.65	132	164	4.24	ng/ul	0.03
13) 4-Methylphenol-d8	8.80	113	5783	127.17	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	182	52.47	ng/ul	-0.02
22) 2-Nitrophenol-d4	10.02	143	217	56.22	ng/ul	0.03
26) 2,4-Dichlorophenol-d3	10.40	165	446	57.04	ng/ul	-0.12
29) 4-Chloroaniline-d4	11.09	131	379	43.15	ng/ul	0.05
44) Dimethylphthalate-d6	0.00	166	0	0.00	ng/ul	
47) Acenaphthylene-d8	0.00	160	0	0.00	ng/ul	
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	0.00	176	0	0.00	ng/ul	
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	0.00	188	0	0.00	ng/ul	
79) Pyrene-d10	0.00	212	0	0.00	ng/ul	
90) Benzo(a)pyrene-d12	0.00	264	0	0.00	ng/ul	

Target Compounds

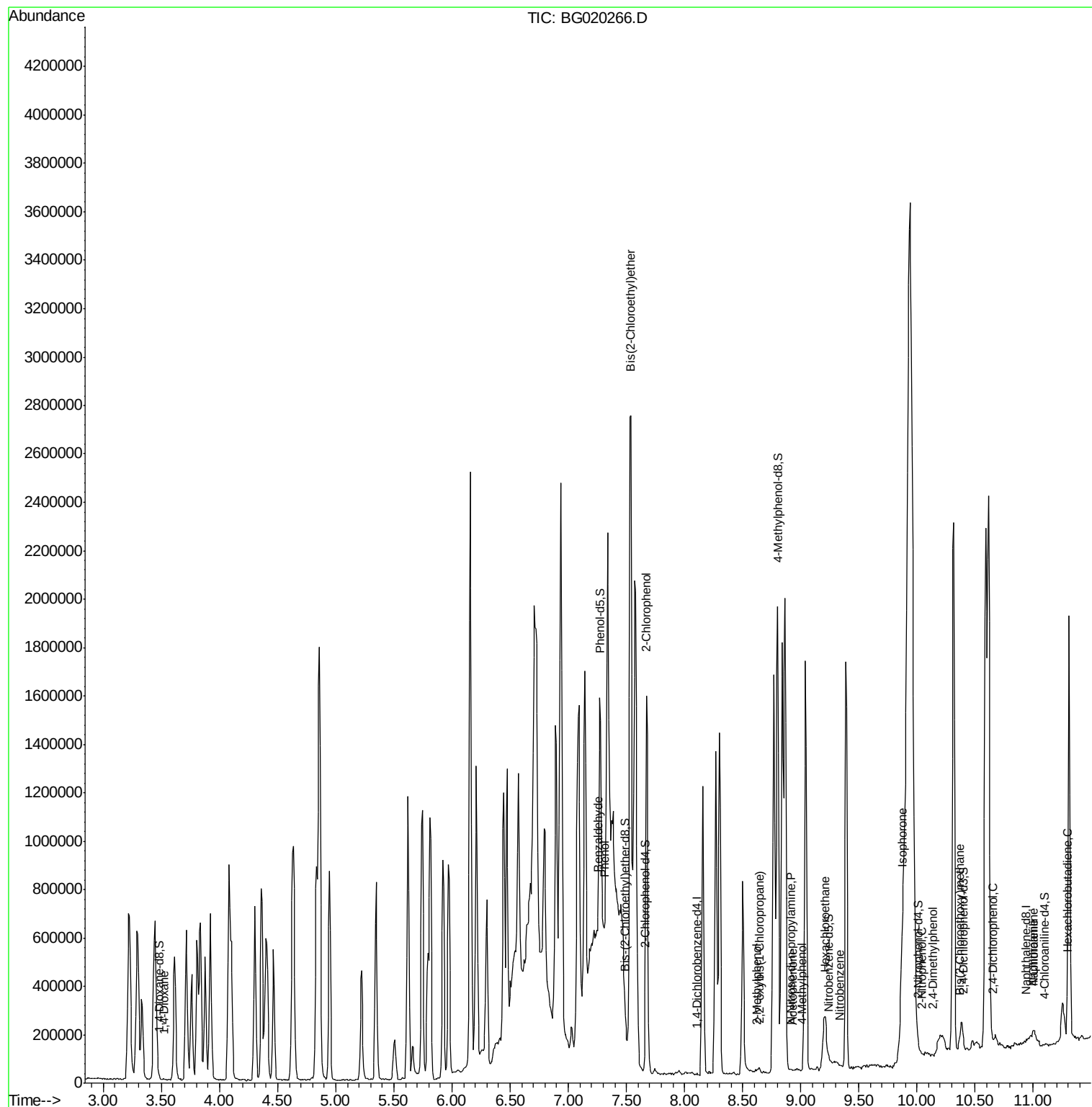
						Qvalue
2) 1,4-Dioxane	3.51	88	166	10.29	ng/uL#	18
4) Benzaldehyde	7.25	77	332	9.64	ng/ul#	85
6) Phenol	7.31	94	80	1.40	ng/ul#	1
8) Bis(2-Chloroethyl)ether	7.53	93	794	20.32	ng/ul#	1
10) 2-Chlorophenol	7.67	128	8303	205.01	ng/ul#	1
11) 2-Methylphenol	8.62	108	136	3.13	ng/ul	100
12) 2,2'-oxybis(1-Chloropropan	8.65	45	60	1.07	ng/ul#	1
14) Acetophenone	8.93	105	251	3.53	ng/ul#	1
15) N-Nitroso-di-n-propylamine	8.92	70	94	2.49	ng/ul#	29
16) 4-Methylphenol	9.01	108	204	4.24	ng/ul	90
17) Hexachloroethane	9.20	117	2019	118.61	ng/ul#	12
20) Nitrobenzene	9.34	77	233	25.35	ng/ul#	23
21) Isophorone	9.87	82	1429	81.43	ng/ul#	51
23) 2-Nitrophenol	10.05	139	807	194.97	ng/ul#	41
24) 2,4-Dimethylphenol	10.13	107	487	51.82	ng/ul	92
25) Bis(2-Chloroethoxy)methane	10.36	93	268	28.19	ng/ul#	39
27) 2,4-Dichlorophenol	10.66	162	839	104.47	ng/ul	90
28) Naphthalene	11.00	128	1016	43.72	ng/ul#	1
30) 4-Chloroaniline	11.00	127	1634	182.25	ng/ul	95
31) Hexachlorobutadiene	11.29	225	313	52.28	ng/ul#	66

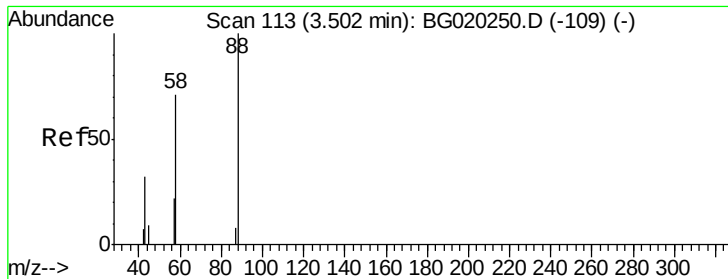
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 10.29 ng/uL

RT: 3.51 min Scan# 115

Delta R.T. 0.01 min

Lab File: BG020266.D

Acq: 18 Dec 2015 5:06

Instrument :

BNA_G

ClientSampled :

SSTD02003

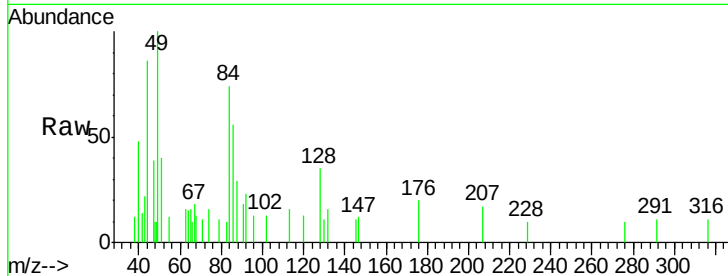
Tgt Ion: 88 Resp: 166

Ion Ratio Lower Upper

88 100

43 73.9 27.8 41.8#

58 0.0 59.9 89.9#



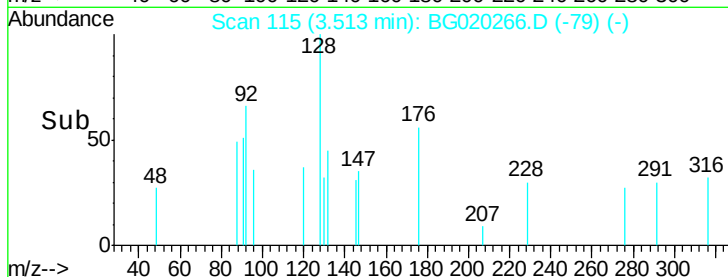
Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 43.00 (42.70 to 43.70): BGC

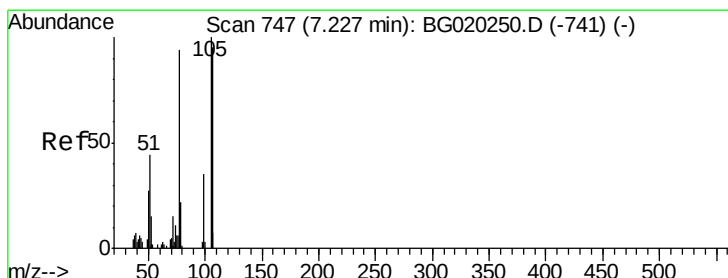
Ion 58.00 (57.70 to 58.70): BGC

Time-->

3.51



Time-->



#4

Benzaldehyde

Concen: 9.64 ng/uL

RT: 7.25 min Scan# 751

Delta R.T. 0.02 min

Lab File: BG020266.D

Acq: 18 Dec 2015 5:06

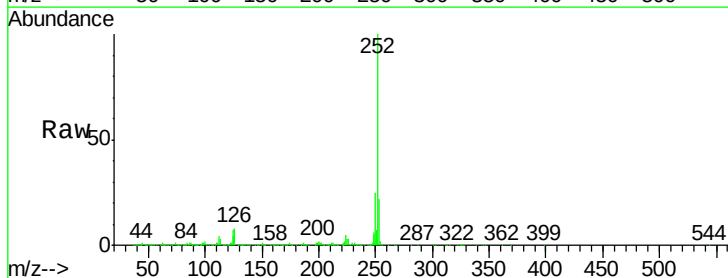
Tgt Ion: 77 Resp: 332

Ion Ratio Lower Upper

77 100

105 71.3 77.8 116.6#

106 92.8 72.6 109.0



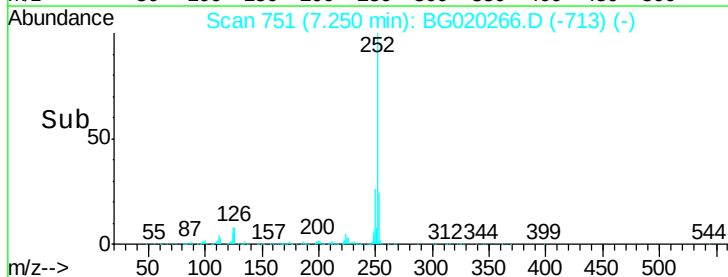
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

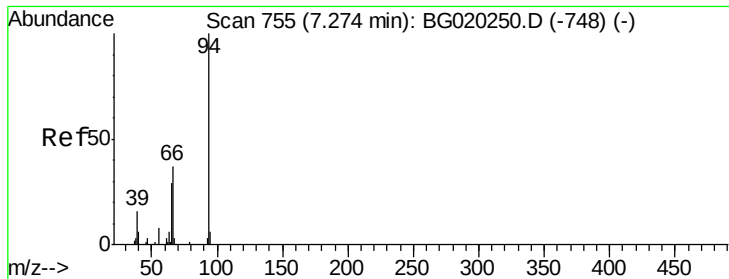
Ion 106.00 (105.70 to 106.70): BGC

Time-->

7.25



Time-->



#6

Phenol

Concen: 1.40 ng/ul

RT: 7.31 min Scan# 761

Delta R.T. 0.03 min

Lab File: BG020266.D

Acq: 18 Dec 2015 5:06

Instrument :

BNA_G

ClientSampleId :

SSTD02003

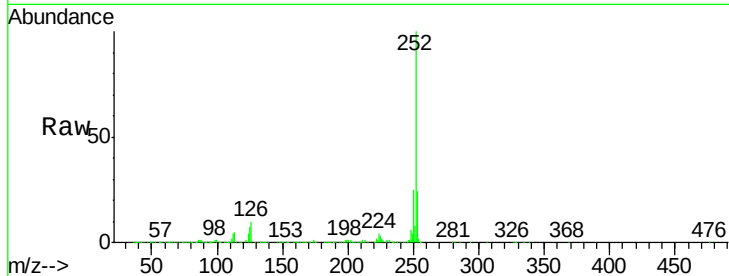
Tgt Ion: 94 Resp: 80

Ion Ratio Lower Upper

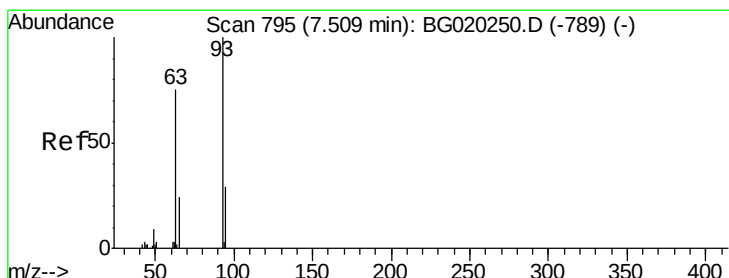
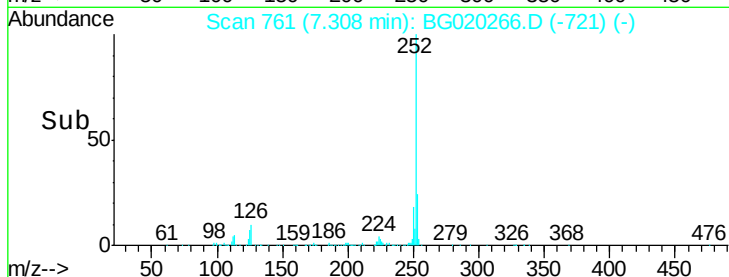
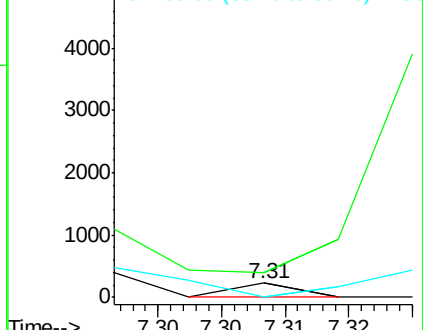
94 100

65 175.0 26.3 39.5#

66 0.0 33.3 49.9#



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



#8

Bis(2-Chloroethyl)ether

Concen: 20.32 ng/ul

RT: 7.53 min Scan# 799

Delta R.T. 0.02 min

Lab File: BG020266.D

Acq: 18 Dec 2015 5:06

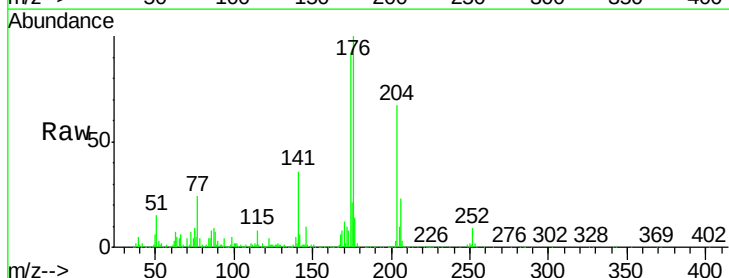
Tgt Ion: 93 Resp: 794

Ion Ratio Lower Upper

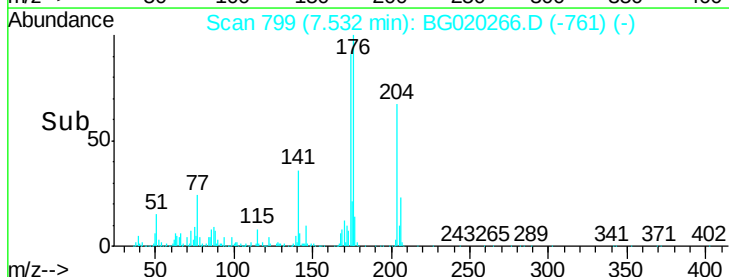
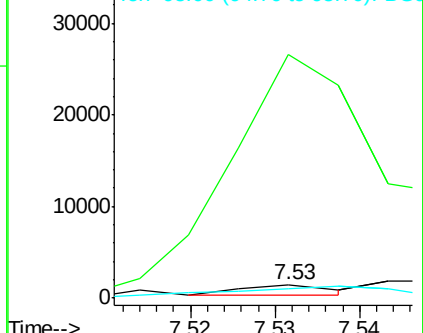
93 100

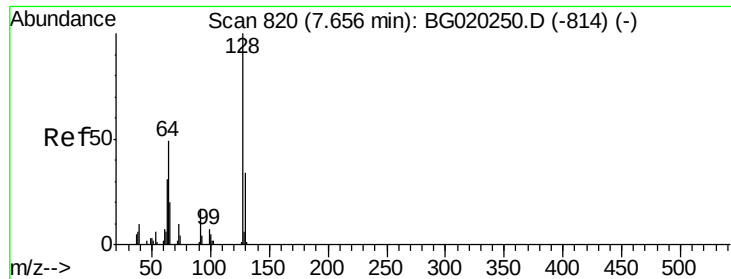
63 1839.0 63.6 95.4#

95 89.6 23.7 35.5#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC

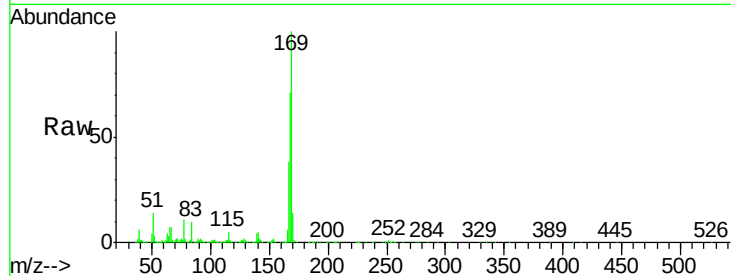




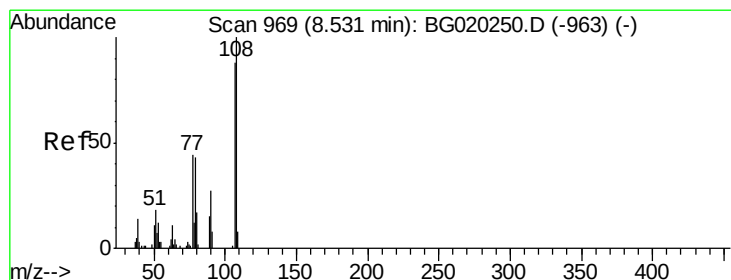
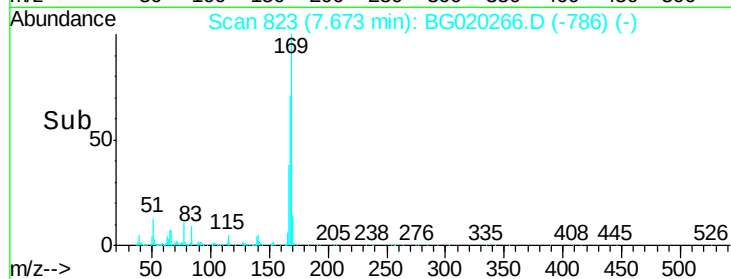
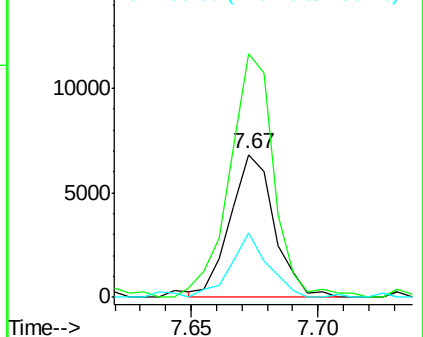
#10
2-Chlorophenol
Concen: 205.01 ng/ul
RT: 7.67 min Scan# 823
Delta R.T. 0.02 min
Lab File: BG020266.D
Acq: 18 Dec 2015 5:06

Instrument :
BNA_G
ClientSampleId :
SSTD02003

Tgt Ion:128 Resp: 8303
Ion Ratio Lower Upper
128 100
64 170.6 39.4 59.0#
130 44.9 24.6 36.8#

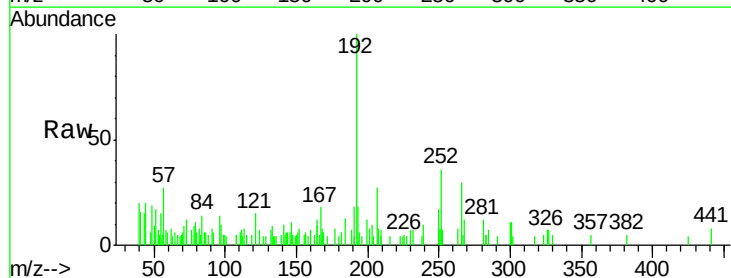


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 130.00 (129.70 to 130.70): E

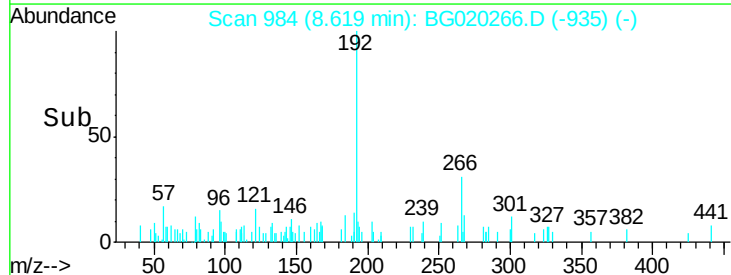
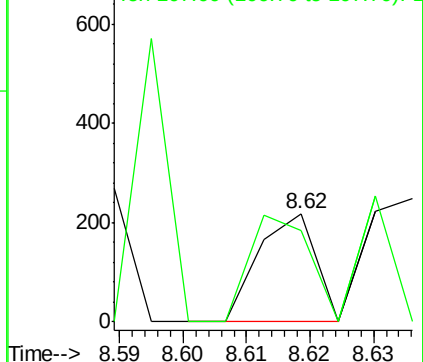


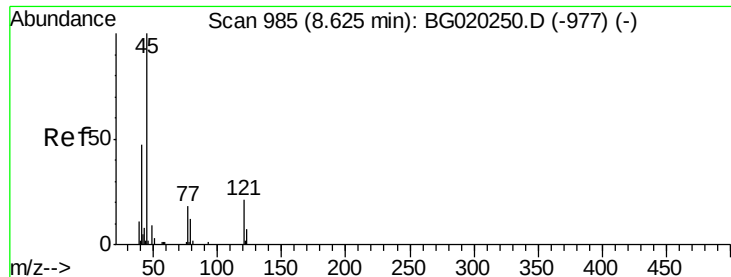
#11
2-Methylphenol
Concen: 3.13 ng/ul
RT: 8.62 min Scan# 984
Delta R.T. 0.09 min
Lab File: BG020266.D
Acq: 18 Dec 2015 5:06

Tgt Ion:108 Resp: 136
Ion Ratio Lower Upper
108 100
107 84.0 67.5 101.3



Abundance Ion 108.00 (107.70 to 108.70): E
Ion 107.00 (106.70 to 107.70): E

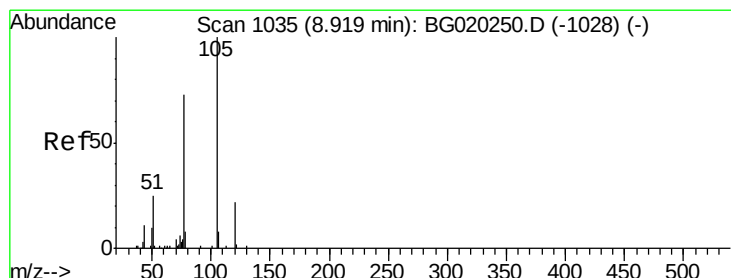
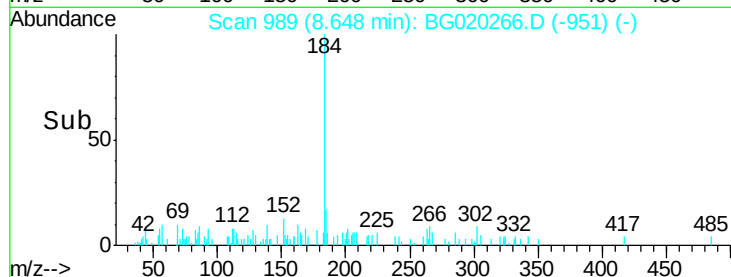
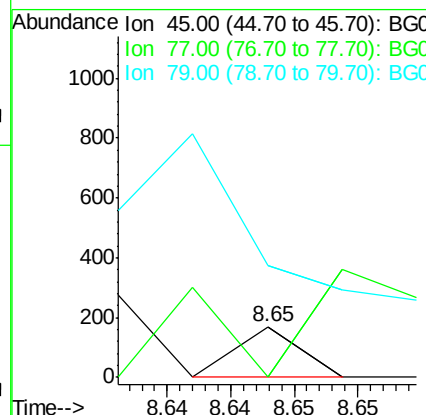
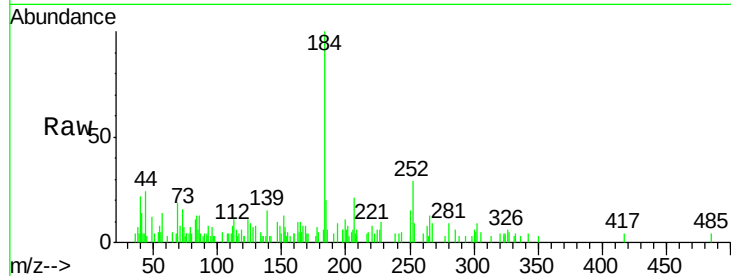




#12
 2,2'-oxybis(1-Chloropropane)
 Concen: 1.07 ng/ul
 RT: 8.65 min Scan# 989
 Delta R.T. 0.02 min
 Lab File: BG020266.D
 Acq: 18 Dec 2015 5:06

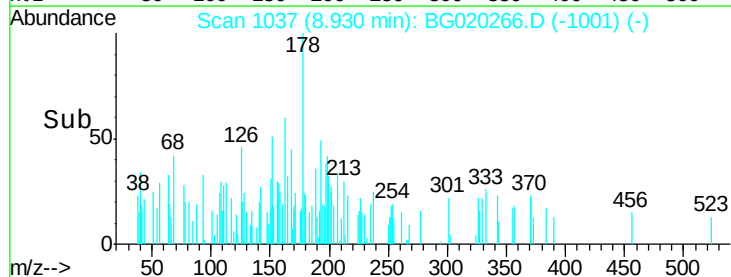
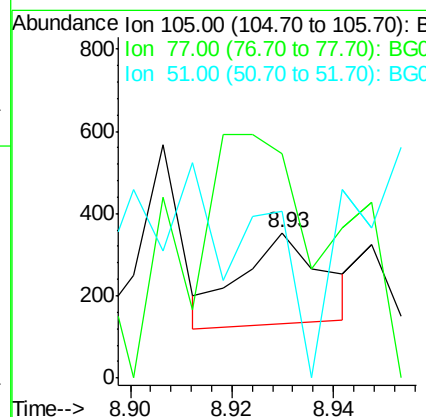
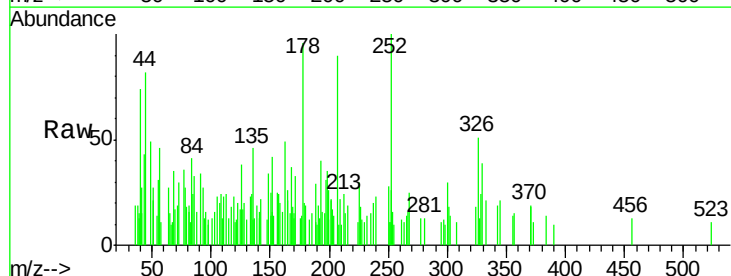
Instrument :
 BNA_G
 ClientSampleId :
 SSTD02003

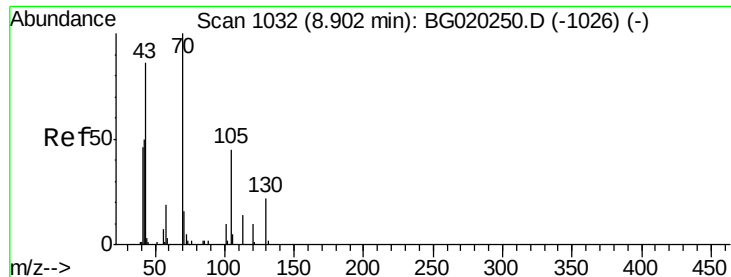
Tgt Ion: 45 Resp: 60
 Ion Ratio Lower Upper
 45 100
 77 0.0 12.1 18.1#
 79 220.6 9.0 13.4#



#14
 Acetophenone
 Concen: 3.53 ng/ul
 RT: 8.93 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: BG020266.D
 Acq: 18 Dec 2015 5:06

Tgt Ion: 105 Resp: 251
 Ion Ratio Lower Upper
 105 100
 77 154.0 65.2 97.8#
 51 114.7 22.6 33.8#

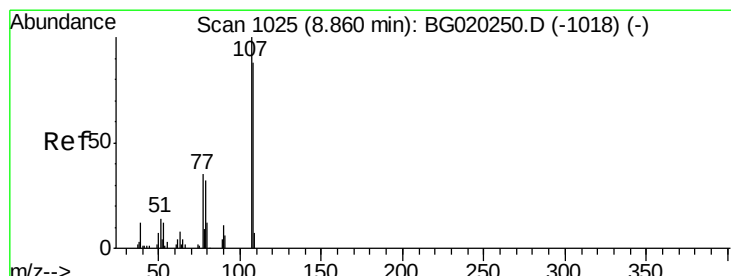
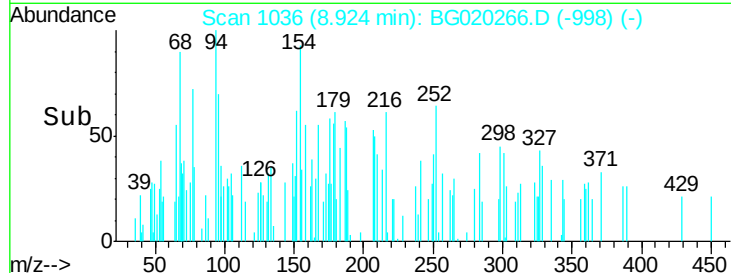
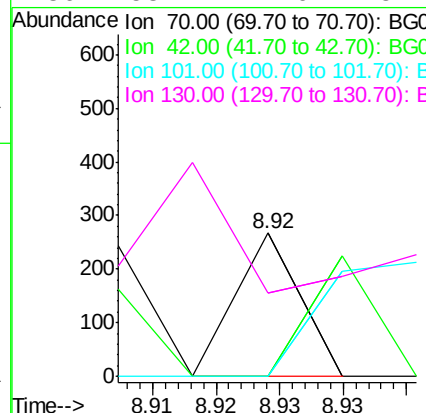
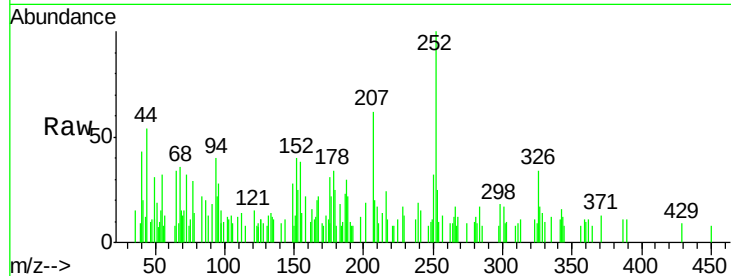




#15
N-Nitroso-di-n-propylamine
Concen: 2.49 ng/ul
RT: 8.92 min Scan# 1036
Delta R.T. 0.02 min
Lab File: BG020266.D
Acq: 18 Dec 2015 5:06

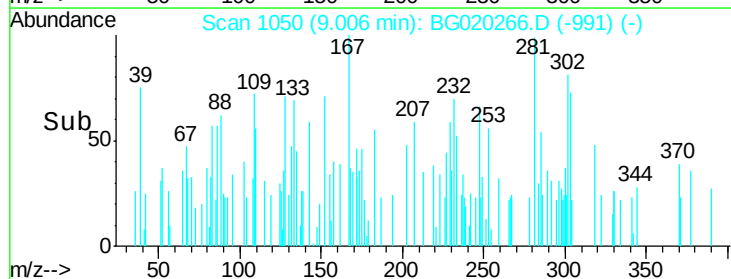
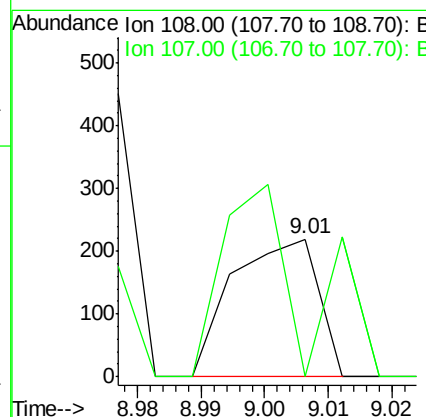
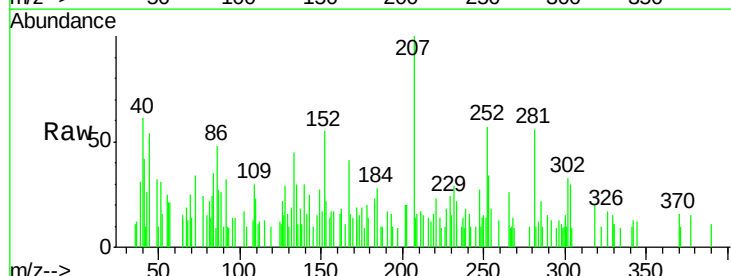
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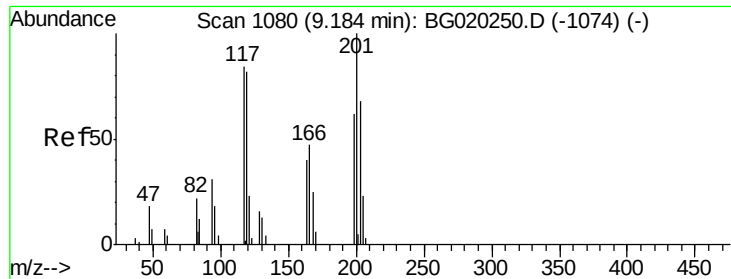
Tgt Ion:	70	Resp:	94
Ion	Ratio	Lower	Upper
70	100		
42	0.0	44.3	66.5#
101	0.0	7.6	11.4#
130	58.4	17.0	25.4#



#16
4-Methylphenol
Concen: 4.24 ng/ul
RT: 9.01 min Scan# 1050
Delta R.T. 0.15 min
Lab File: BG020266.D
Acq: 18 Dec 2015 5:06

Tgt Ion:	108	Resp:	204
Ion	Ratio	Lower	Upper
108	100		
107	100.0	88.9	133.3





#17

Hexachloroethane

Concen: 118.61 ng/ul

RT: 9.20 min Scan# 1083

Delta R.T. 0.02 min

Lab File: BG020266.D

Acq: 18 Dec 2015 5:06

Instrument :

BNA_G

ClientSampleId :

SSTD02003

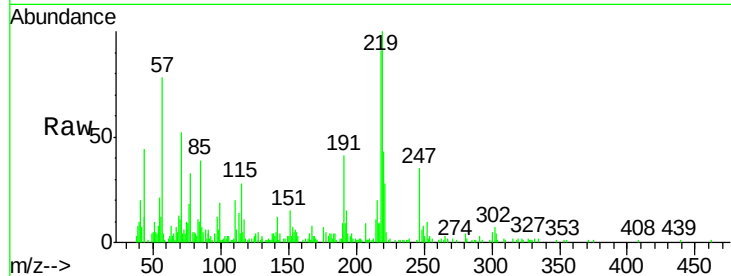
Tgt Ion: 117 Resp: 2019

Ion Ratio Lower Upper

117 100

201 12.9 102.7 154.1#

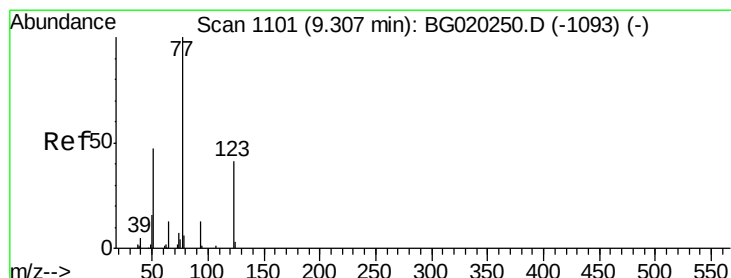
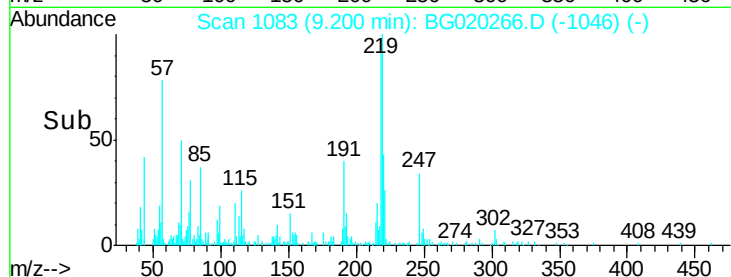
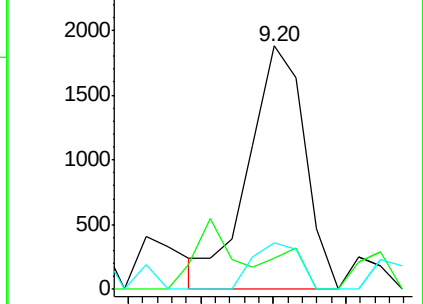
199 19.4 65.8 98.8#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#20

Nitrobenzene

Concen: 25.35 ng/ul

RT: 9.34 min Scan# 1107

Delta R.T. 0.03 min

Lab File: BG020266.D

Acq: 18 Dec 2015 5:06

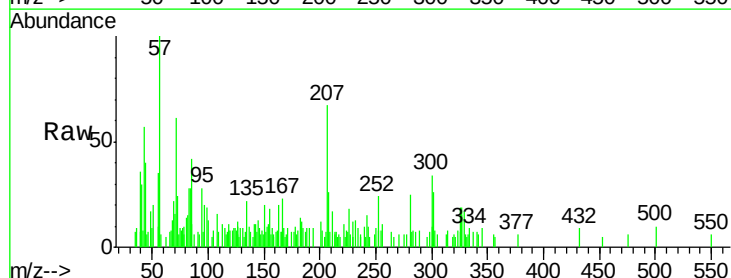
Tgt Ion: 77 Resp: 233

Ion Ratio Lower Upper

77 100

123 99.7 33.4 50.0#

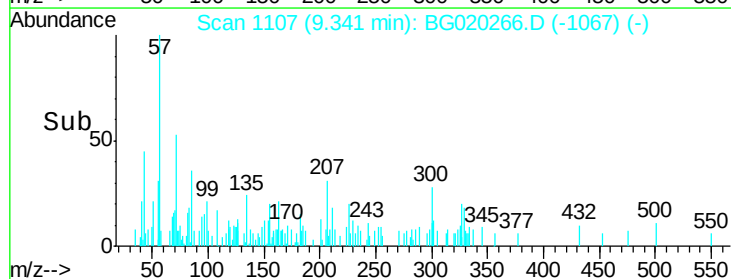
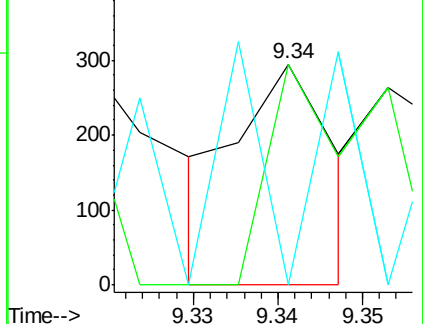
65 0.0 11.7 17.5#

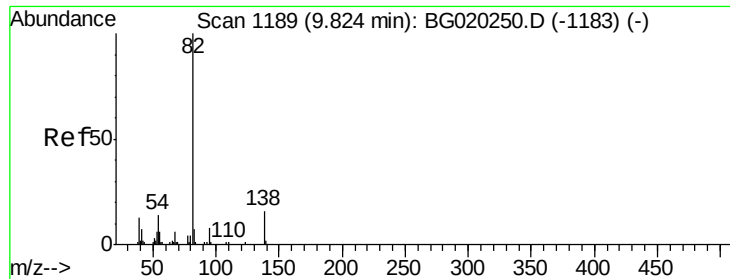


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BGC





#21

Isophorone

Concen: 81.43 ng/ul

RT: 9.87 min Scan# 1197

Delta R.T. 0.05 min

Lab File: BG020266.D

Acq: 18 Dec 2015 5:06

Instrument :

BNA_G

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SSTD02003

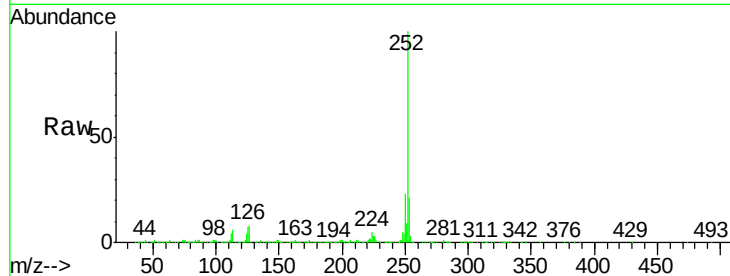
Tgt Ion: 82 Resp: 1429

Ion Ratio Lower Upper

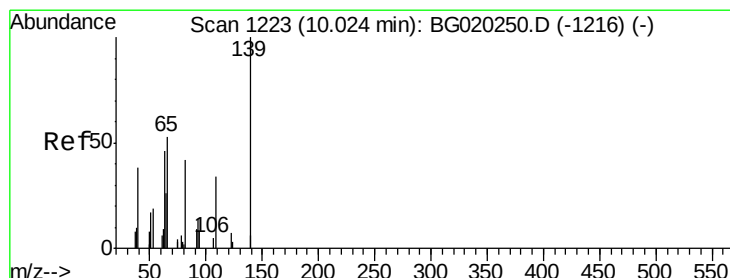
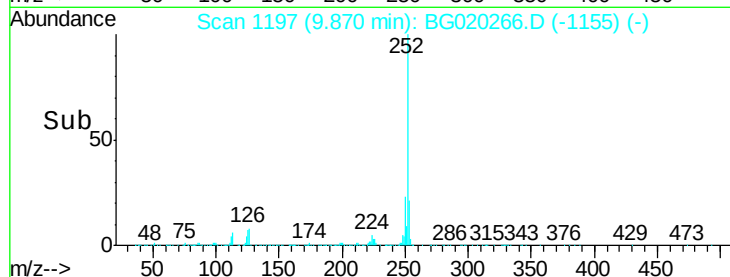
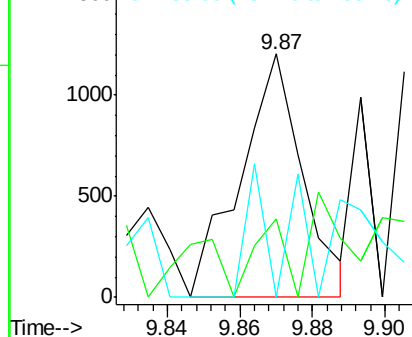
82 100

95 32.5 6.2 9.2#

138 0.0 13.4 20.2#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#23

2-Nitrophenol

Concen: 194.97 ng/ul

RT: 10.05 min Scan# 1227

Delta R.T. 0.02 min

Lab File: BG020266.D

Acq: 18 Dec 2015 5:06

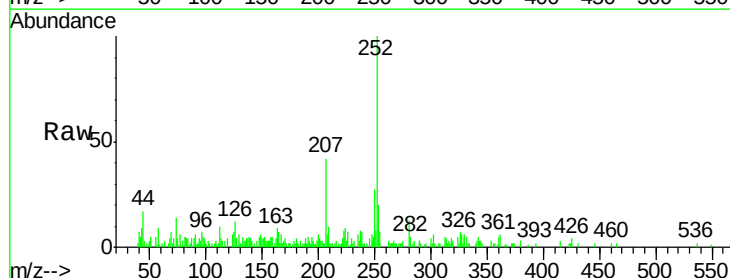
Tgt Ion: 139 Resp: 807

Ion Ratio Lower Upper

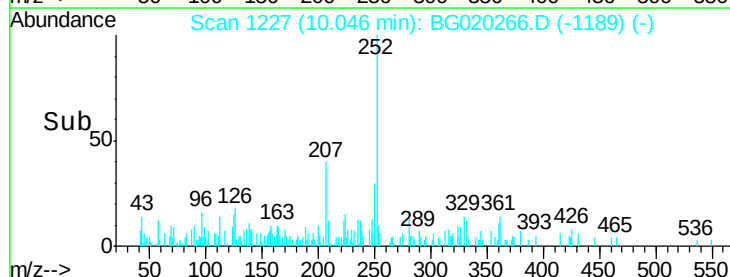
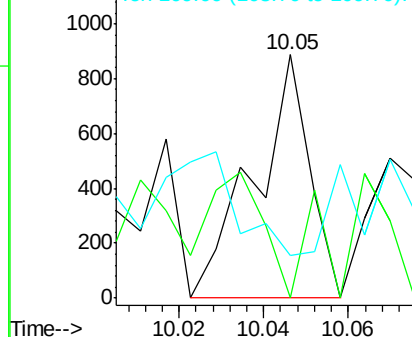
139 100

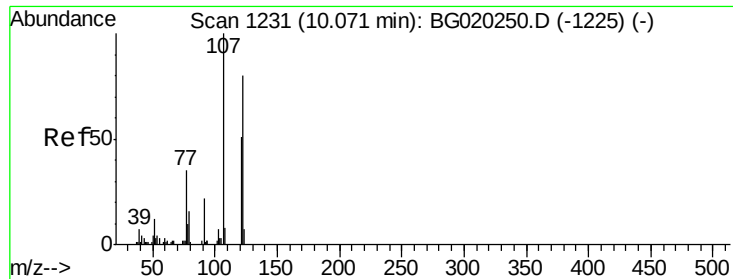
65 0.0 45.1 67.7#

109 17.7 29.6 44.4#



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 109.00 (108.70 to 109.70): BGC





#24

2,4-Dimethylphenol

Concen: 51.82 ng/ul

RT: 10.13 min Scan# 1242

Delta R.T. 0.06 min

Lab File: BG020266.D

Acq: 18 Dec 2015 5:06

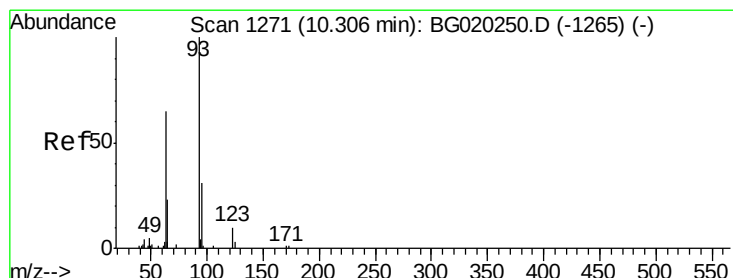
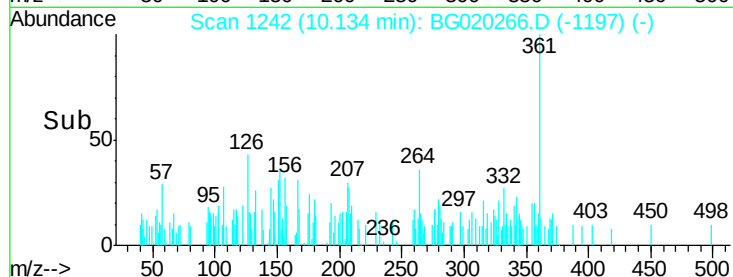
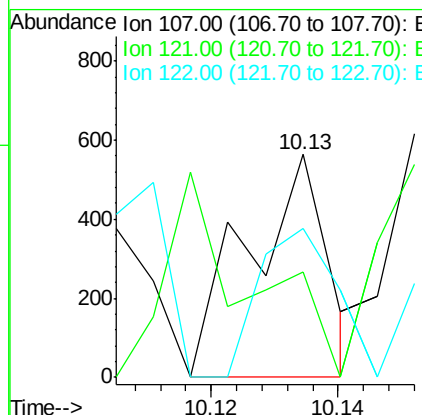
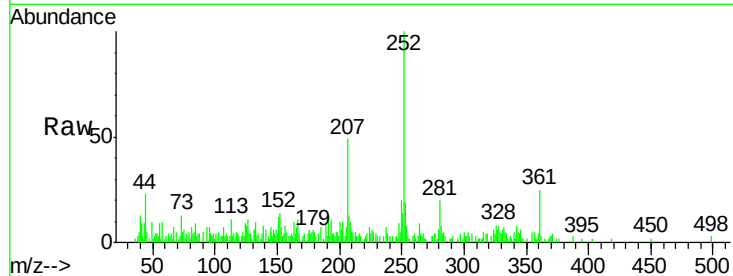
Instrument :

BNA_G

ClientSampleId :

SSTD02003

Tgt Ion:	107	Resp:	487
Ion	Ratio	Lower	Upper
107	100		
121	47.6	39.0	58.4
122	67.0	62.1	93.1



#25

Bis(2-Chloroethoxy)methane

Concen: 28.19 ng/ul

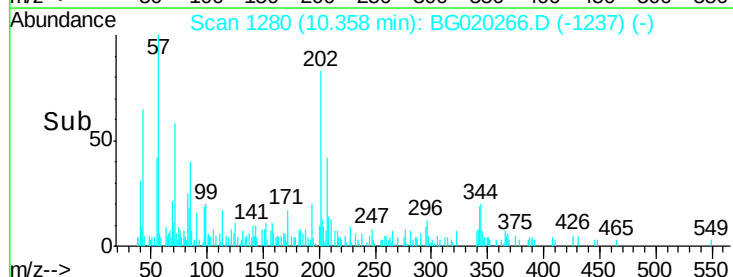
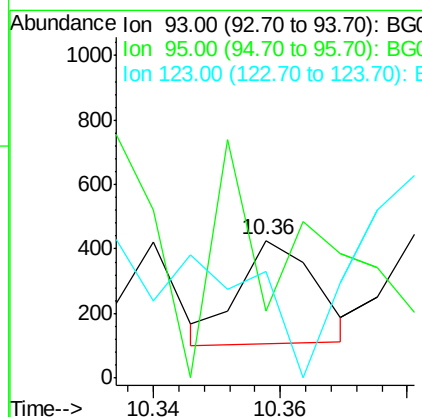
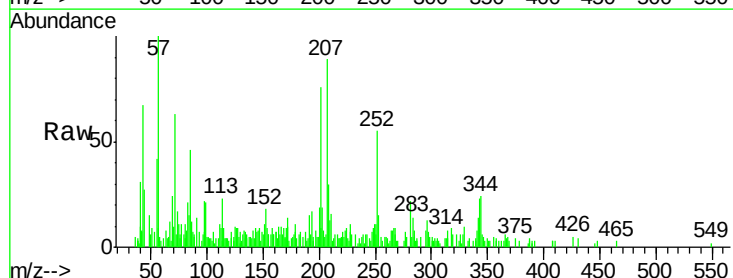
RT: 10.36 min Scan# 1280

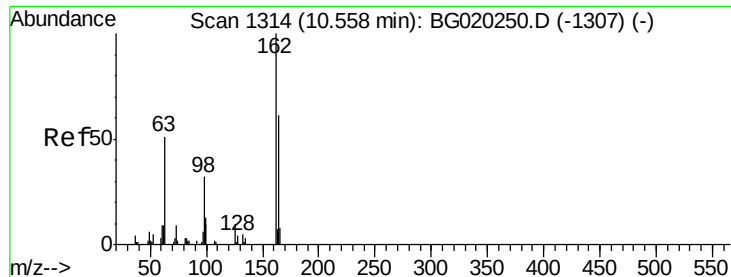
Delta R.T. 0.05 min

Lab File: BG020266.D

Acq: 18 Dec 2015 5:06

Tgt Ion:	93	Resp:	268
Ion	Ratio	Lower	Upper
93	100		
95	48.2	27.4	41.2#
123	77.0	9.4	14.0#

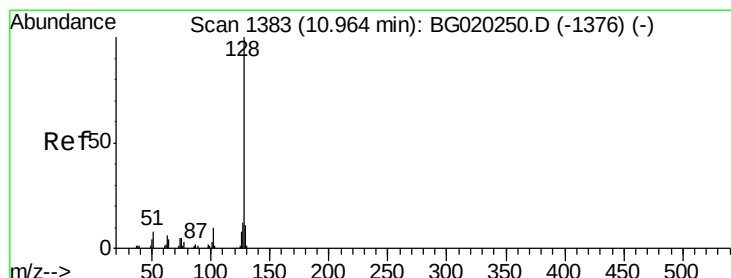
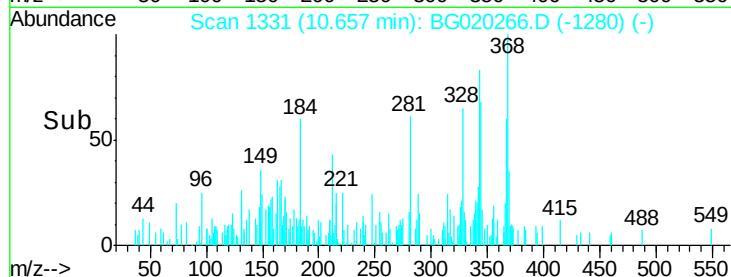
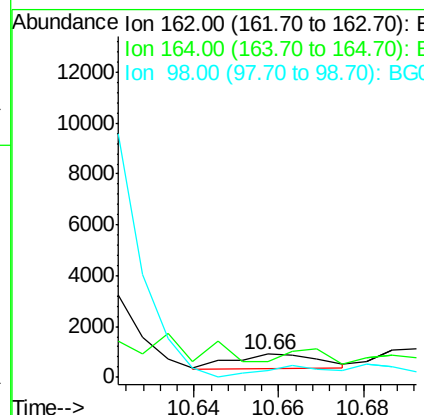
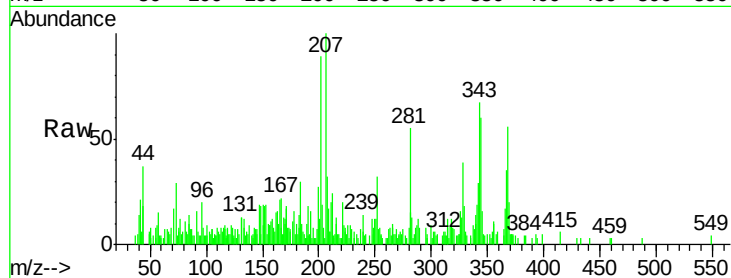




#27
2,4-Dichlorophenol
Concen: 104.47 ng/ul
RT: 10.66 min Scan# 1331
Delta R.T. 0.10 min
Lab File: BG020266.D
Acq: 18 Dec 2015 5:06

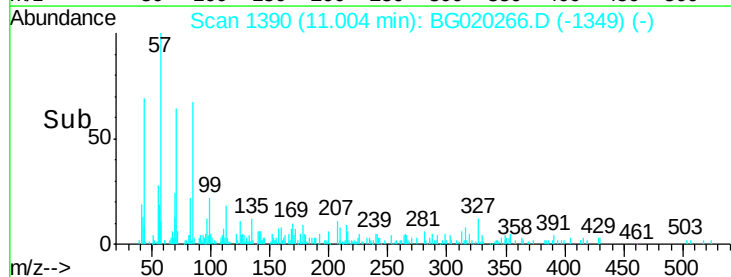
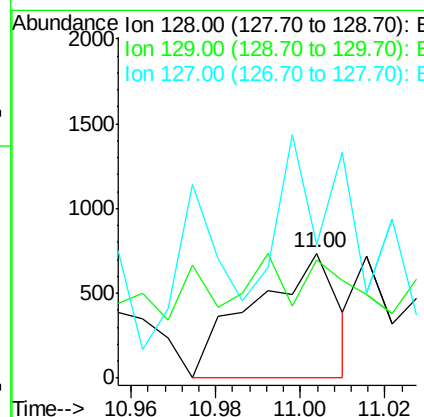
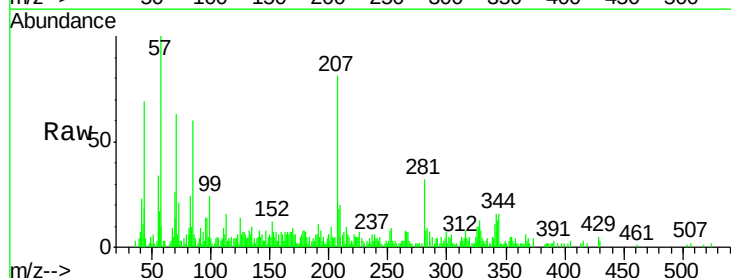
Instrument :
BNA_G
ClientSampleId :
SSTD02003

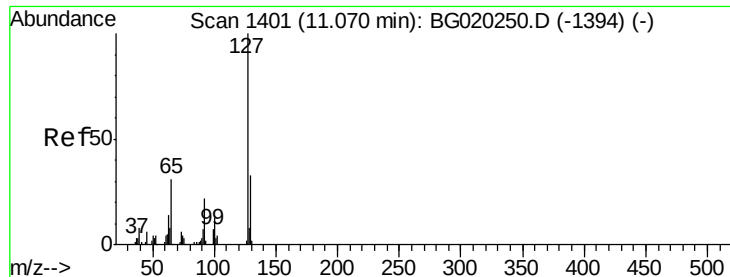
Tgt Ion:162 Resp: 839
Ion Ratio Lower Upper
162 100
164 67.7 48.2 72.2
98 28.6 27.2 40.8



#28
Naphthalene
Concen: 43.72 ng/ul
RT: 11.00 min Scan# 1390
Delta R.T. 0.04 min
Lab File: BG020266.D
Acq: 18 Dec 2015 5:06

Tgt Ion:128 Resp: 1016
Ion Ratio Lower Upper
128 100
129 94.7 8.6 12.8#
127 106.7 10.1 15.1#

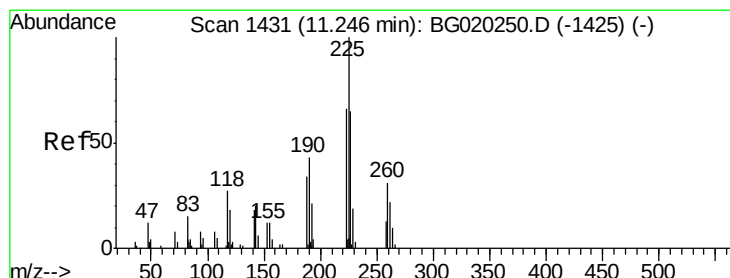
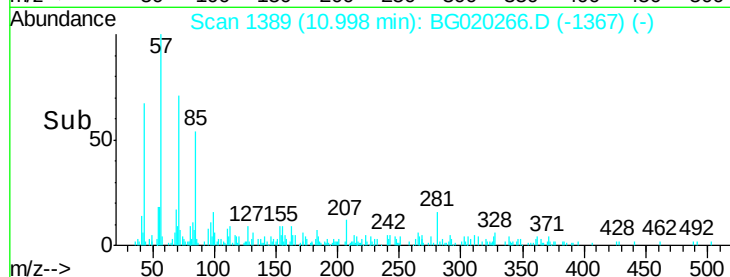
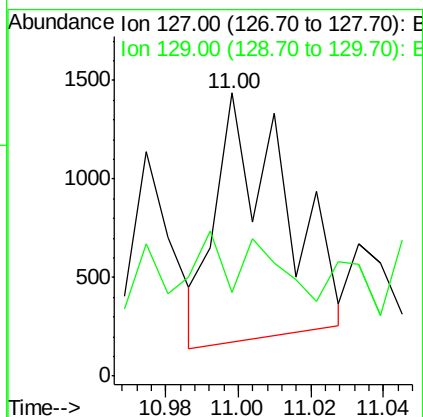
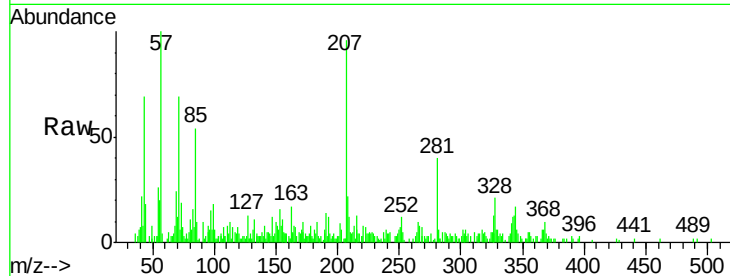




#30
4-Chloroaniline
Concen: 182.25 ng/ul
RT: 11.00 min Scan# 1389
Delta R.T. -0.07 min
Lab File: BG020266.D
Acq: 18 Dec 2015 5:06

Instrument :
BNA_G
ClientSampleId :
SSTD02003

Tgt Ion:127 Resp: 1634
Ion Ratio Lower Upper
127 100
129 29.5 25.7 38.5



#31
Hexachlorobutadiene
Concen: 52.28 ng/ul
RT: 11.29 min Scan# 1438
Delta R.T. 0.04 min
Lab File: BG020266.D
Acq: 18 Dec 2015 5:06

Tgt Ion:225 Resp: 313
Ion Ratio Lower Upper
225 100
223 88.7 47.0 70.6#
227 40.5 49.7 74.5#

