

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
 Data File : BG025293.D
 Acq On : 18 Dec 2016 3:22
 Operator : UM/SJ
 Sample : H5938-12DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 18 04:04:08 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Dec 18 03:57:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	66198	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	267856	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	195566	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	441118	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	574170	20.00	ng/ul	0.00
83) Perylene-d12	25.32	264	582197	20.00	ng/ul	-0.01

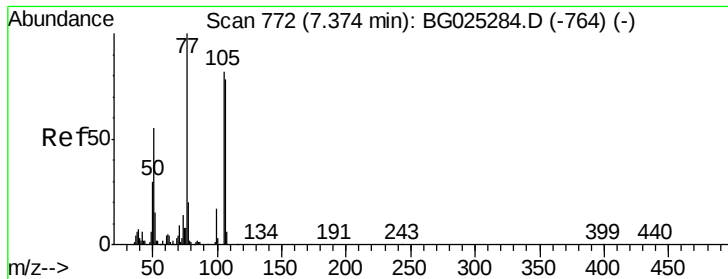
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.58	96	1877	1.46	ng/uL	0.00
5) Phenol-d5	7.40	99	25504	4.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.56	67	19654	5.56	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	19678	4.93	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	23066	4.83	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	14265	7.52	ng/ul	0.00
22) 2-Nitrophenol-d4	10.13	143	12448	5.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	22322	4.91	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	68046	15.23	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	77466	5.76	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	86688	5.88	ng/ul	0.00
51) 4-Nitrophenol-d4	15.11	143	12016	5.20	ng/ul	0.02
57) Fluorene-d10	15.85	176	85365	6.74	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.98	200	15169	5.56	ng/ul	0.00
70) Anthracene-d10	17.70	188	109549	5.88	ng/ul	0.00
76) Pyrene-d10	19.97	212	135647	5.74	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.08	264	137137	5.81	ng/ul	0.00

Target Compounds

						Ovalue
4) Benzaldehyde	7.36	77	9232	2.15	ng/ul#	1
6) Phenol	7.43	94	16174	2.76	ng/ul#	87
11) 2-Methylphenol	8.68	108	22222	5.15	ng/ul	90
14) Acetophenone	9.02	105	51776	7.13	ng/ul	96
16) 4-Methylphenol	9.02	108	96760	20.15	ng/ul	92
17) Hexachloroethane	9.34	117	15363	8.64	ng/ul#	1
24) 2,4-Dimethylphenol	10.22	107	62995	11.48	ng/ul	94
25) Bis(2-Chloroethoxy)methane	10.48	93	11270	2.00	ng/ul#	54
28) Naphthalene	11.11	128	327700	26.32	ng/ul	98
33) 4-Chloro-3-methylphenol	12.39	107	10754	1.98	ng/ul#	46
34) 2-Methylnaphthalene	12.70	142	437740	44.55	ng/ul	96
40) 1,1'-Biphenyl	13.69	154	97048	8.19	ng/ul	97
44) Dimethylphthalate	14.29	163	64845	4.91	ng/ul#	95
49) Acenaphthene	14.92	153	22861	2.33	ng/ul#	85
52) 4-Nitrophenol	15.12	109	3049	1.10	ng/ul#	81
53) Dibenzofuran	15.25	168	63792	4.11	ng/ul	88
58) Fluorene	15.90	166	67642	5.35	ng/ul#	96
64) N-Nitrosodiphenylamine	16.09	169	12365	1.09	ng/ul#	46
69) Phenanthrene	17.64	178	37478	1.78	ng/ul#	91

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



#4

Benzaldehyde

Concen: 2.15 ng/ul

RT: 7.36 min Scan# 769

Delta R.T. -0.02 min

Lab File: BG025293.D

Acq: 18 Dec 2016 3:22

Instrument :

BNA_G

ClientSampleId :

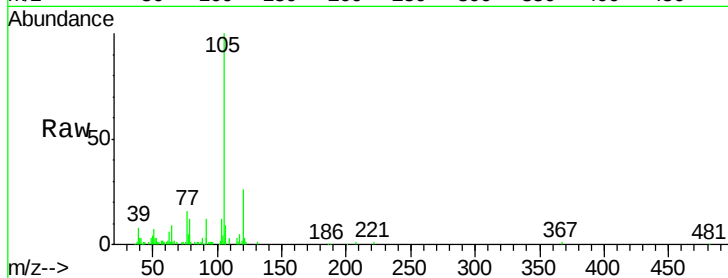
Tot Ion: 77 Resp: 9232

Ion Ratio Lower Upper

77 100

105 614.2 62.0 93.0#

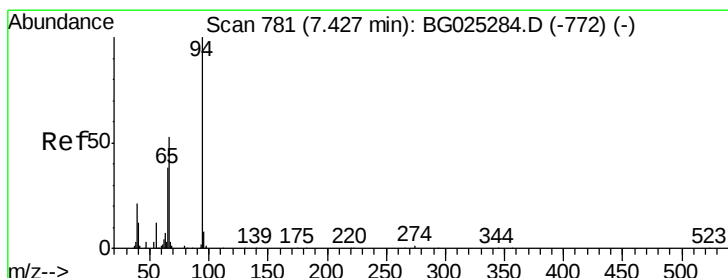
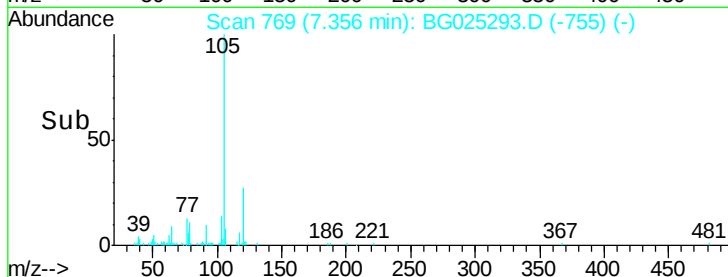
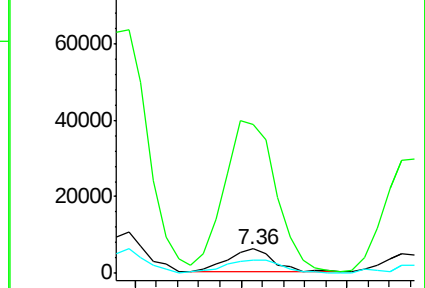
106 55.9 60.2 90.4#



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



#6

Phenol

Concen: 2.76 ng/ul

RT: 7.43 min Scan# 782

Delta R.T. 0.00 min

Lab File: BG025293.D

Acq: 18 Dec 2016 3:22

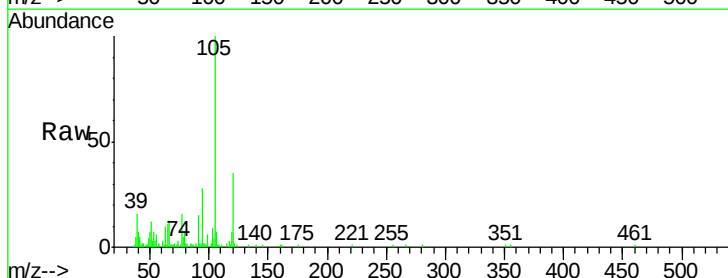
Tgt Ion: 94 Resp: 16174

Ion Ratio Lower Upper

94 100

65 40.5 26.8 40.2#

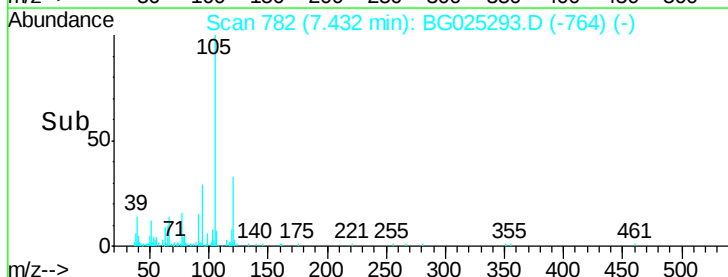
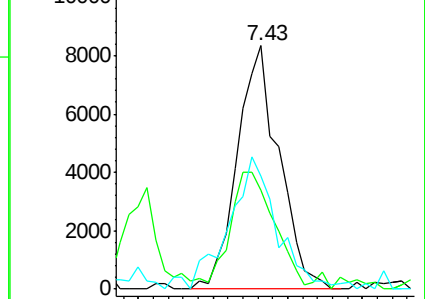
66 46.3 44.4 66.6

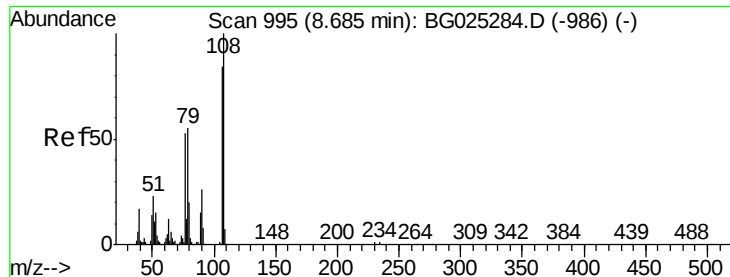


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#11

2-Methylphenol

Concen: 5.15 ng/ul

RT: 8.68 min Scan# 995

Delta R.T. -0.00 min

Lab File: BG025293.D

Acq: 18 Dec 2016 3:22

Instrument :

BNA_G

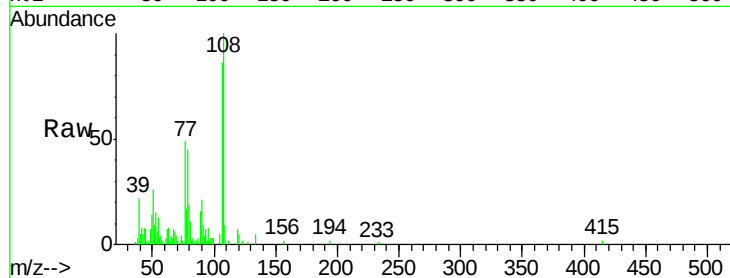
ClientSampleId :

Tot Ion:108 Resp: 22222

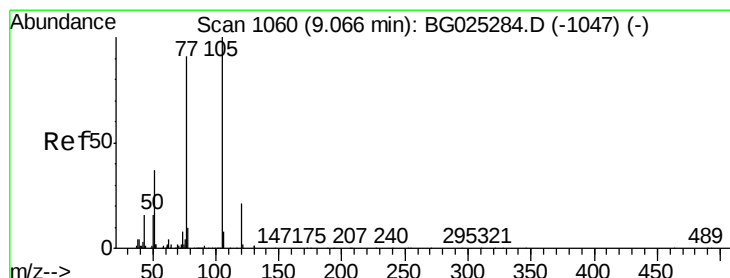
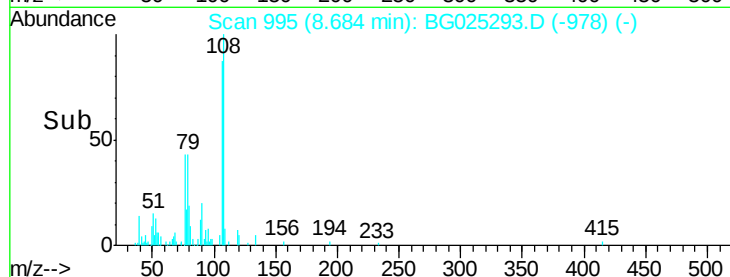
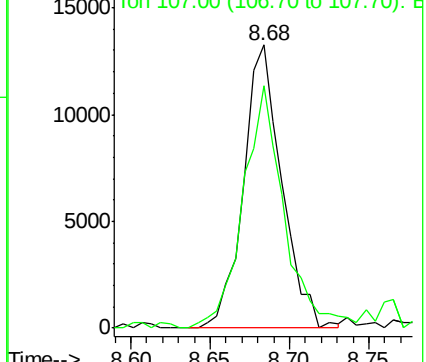
Ion Ratio Lower Upper

108 100

107 85.8 76.7 115.1



Abundance Ion 108.00 (107.70 to 108.70): E



#14

Acetophenone

Concen: 7.13 ng/ul

RT: 9.02 min Scan# 1053

Delta R.T. -0.04 min

Lab File: BG025293.D

Acq: 18 Dec 2016 3:22

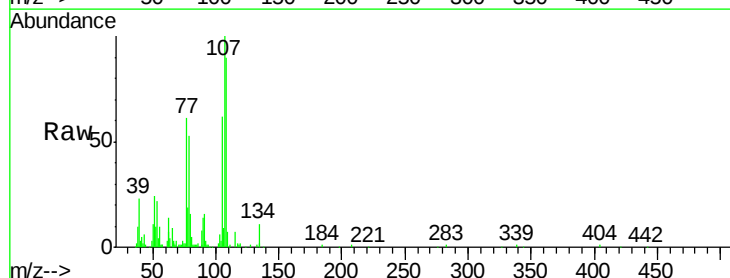
Tgt Ion:105 Resp: 51776

Ion Ratio Lower Upper

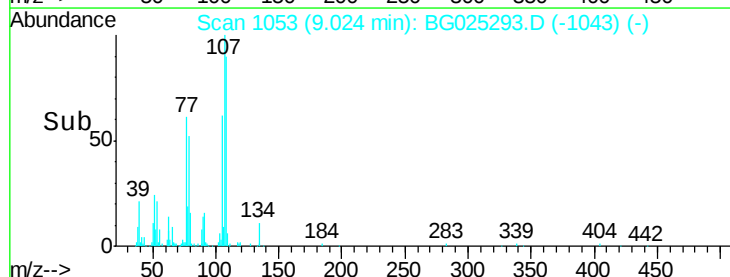
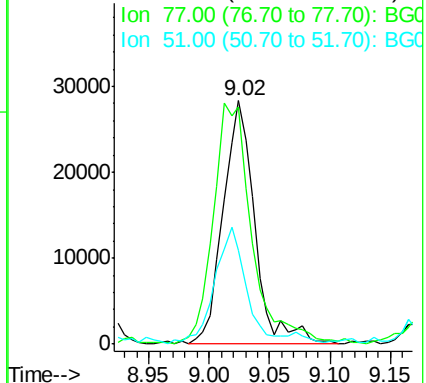
105 100

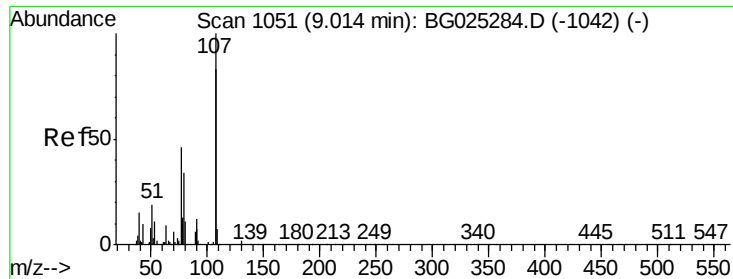
77 97.6 76.0 114.0

51 38.5 34.8 52.2



Abundance Ion 105.00 (104.70 to 105.70): E

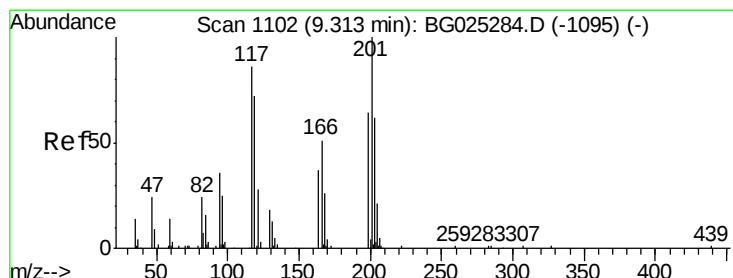
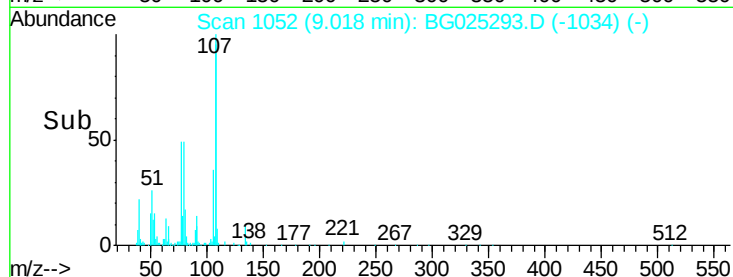
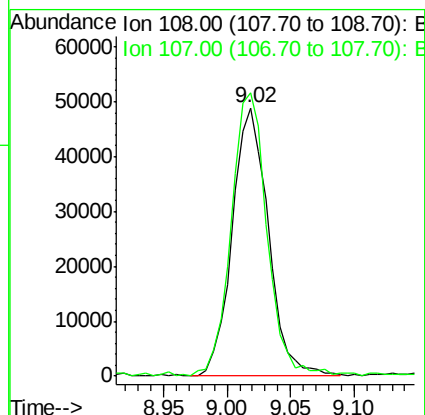
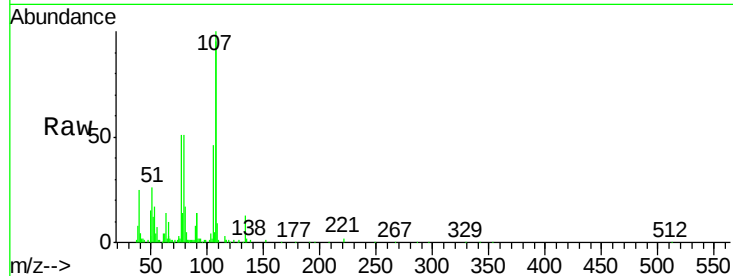




#16
4-Methylphenol
Concen: 20.15 ng/ul
RT: 9.02 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BG025293.D
Acq: 18 Dec 2016 3:22

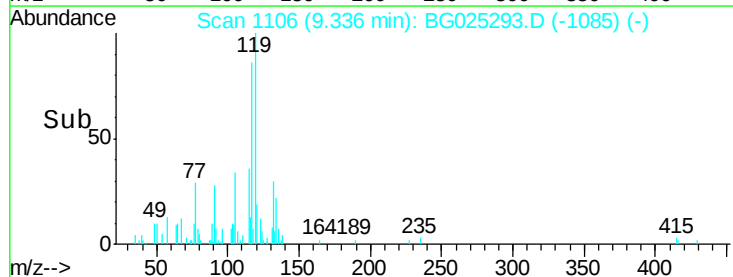
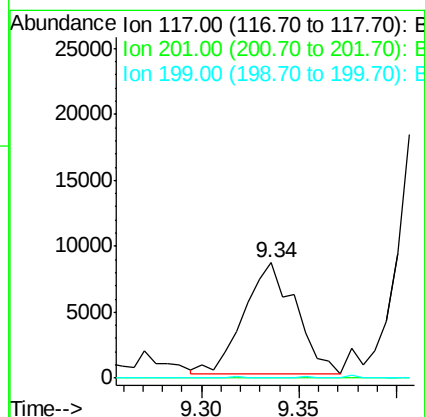
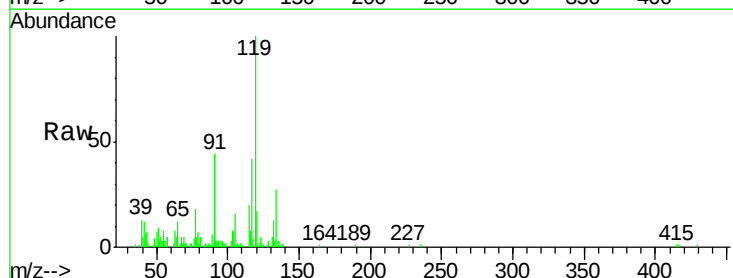
Instrument :
BNA_G
ClientSampleId :

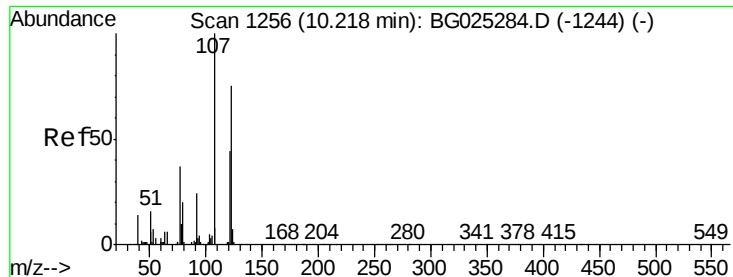
Tot Ion:108 Resp: 96760
Ion Ratio Lower Upper
108 100
107 105.6 91.7 137.5



#17
Hexachloroethane
Concen: 8.64 ng/ul
RT: 9.34 min Scan# 1106
Delta R.T. 0.02 min
Lab File: BG025293.D
Acq: 18 Dec 2016 3:22

Tgt Ion:117 Resp: 15363
Ion Ratio Lower Upper
117 100
201 0.0 91.9 137.9#
199 0.0 64.3 96.5#

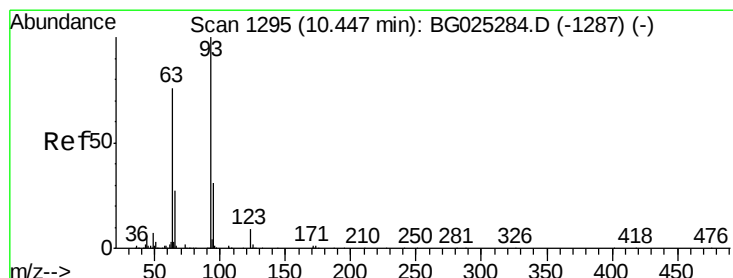
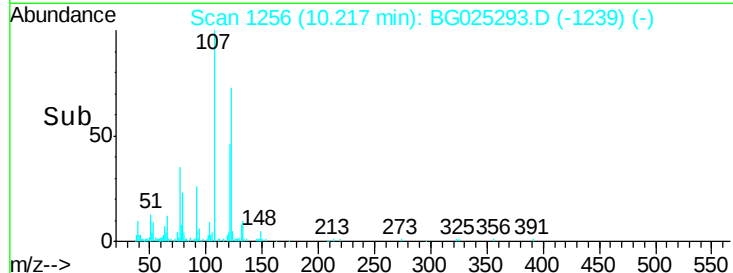
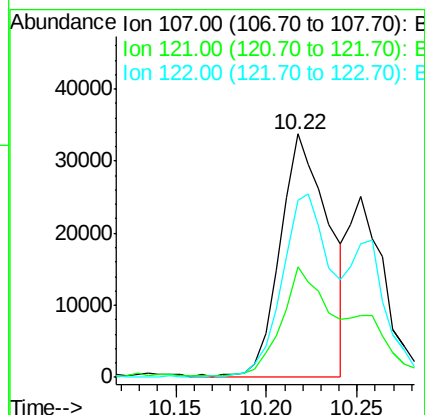
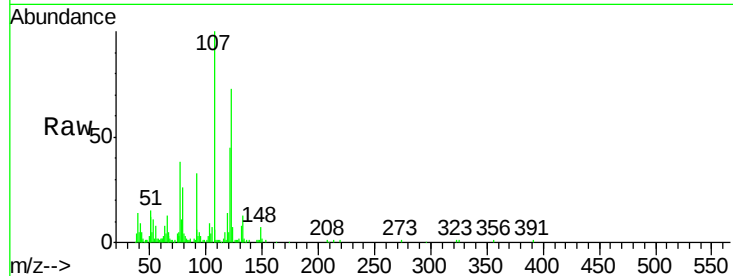




#24
 2,4-Dimethylphenol
 Concen: 11.48 ng/ul
 RT: 10.22 min Scan# 1256
 Delta R.T. -0.00 min
 Lab File: BG025293.D
 Acq: 18 Dec 2016 3:22

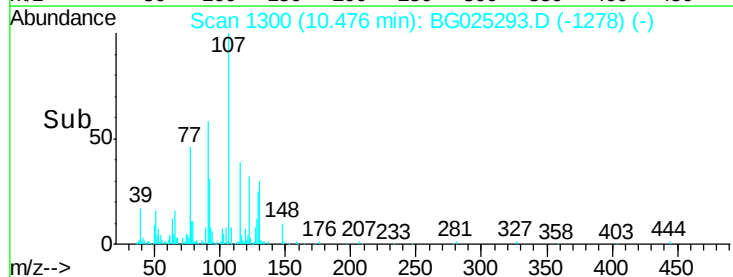
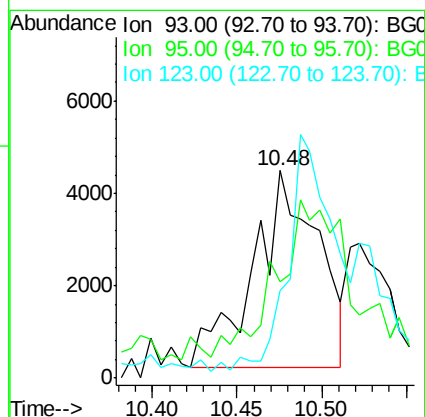
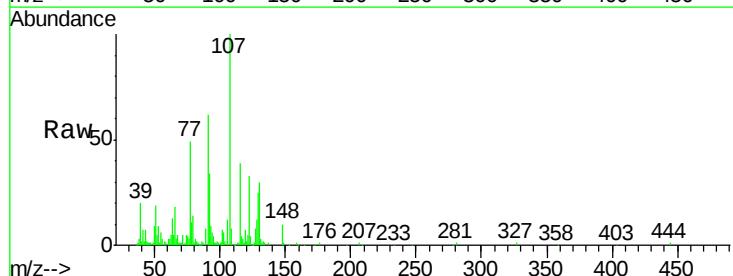
Instrument :
 BNA_G
 ClientSampleId :

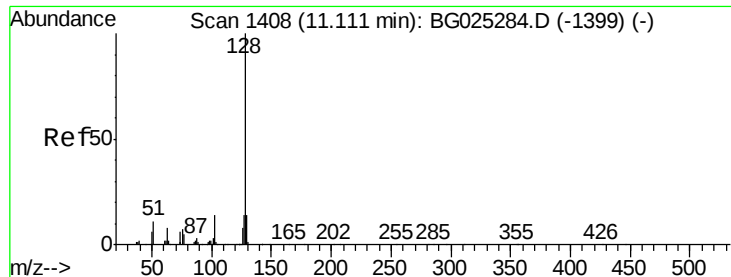
Tot Ion	Ratio	Lower	Upper
107	100		
121	45.5	32.3	48.5
122	72.7	61.2	91.8



#25
 Bis(2-Chloroethoxy)methane
 Concen: 2.00 ng/ul
 RT: 10.48 min Scan# 1300
 Delta R.T. 0.03 min
 Lab File: BG025293.D
 Acq: 18 Dec 2016 3:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	46.4	23.4	35.0#
123	41.9	7.8	11.6#





#28

Naphthalene

Concen: 26.32 ng/ul

RT: 11.11 min Scan# 1408

Delta R.T. -0.00 min

Lab File: BG025293.D

Acq: 18 Dec 2016 3:22

Instrument :

BNA_G

ClientSampleId :

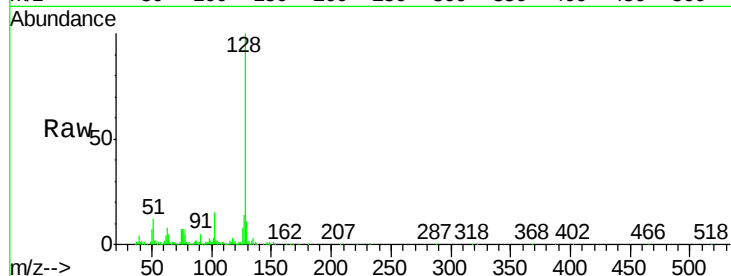
Tot Ion:128 Resp: 327700

Ion Ratio Lower Upper

128 100

129 11.3 9.4 14.2

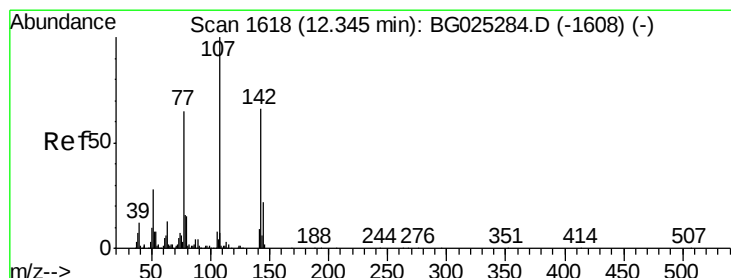
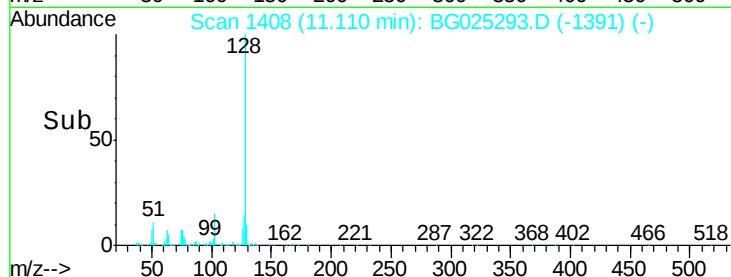
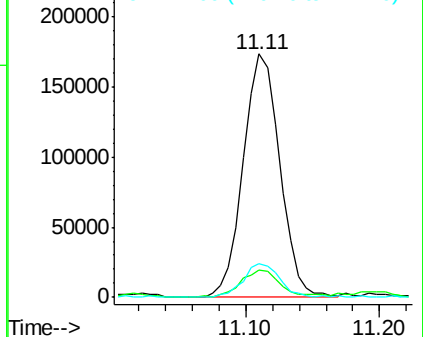
127 13.9 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloro-3-methylphenol

Concen: 1.98 ng/ul

RT: 12.39 min Scan# 1625

Delta R.T. 0.04 min

Lab File: BG025293.D

Acq: 18 Dec 2016 3:22

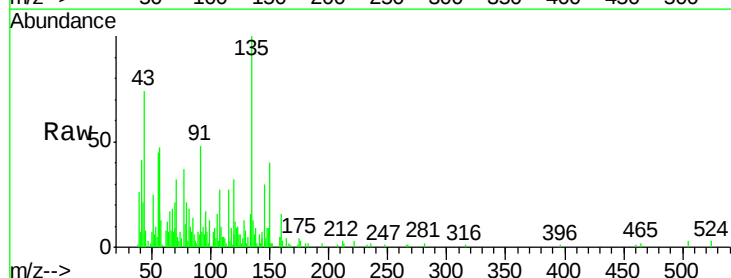
Tgt Ion:107 Resp: 10754

Ion Ratio Lower Upper

107 100

144 13.6 18.2 27.4#

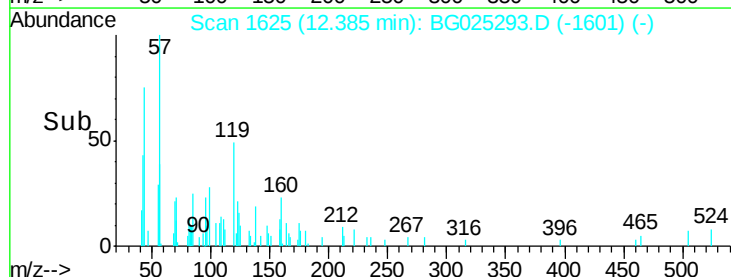
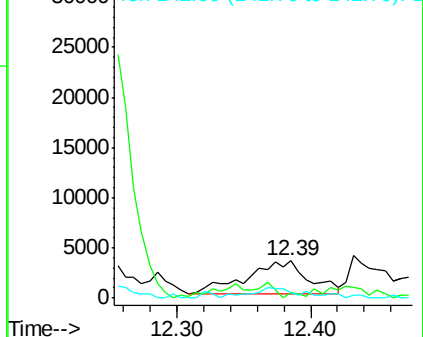
142 15.8 55.0 82.4#

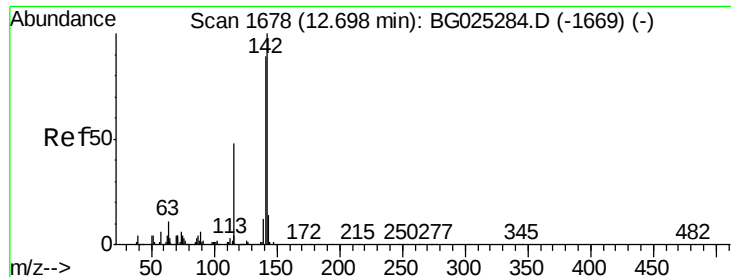


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

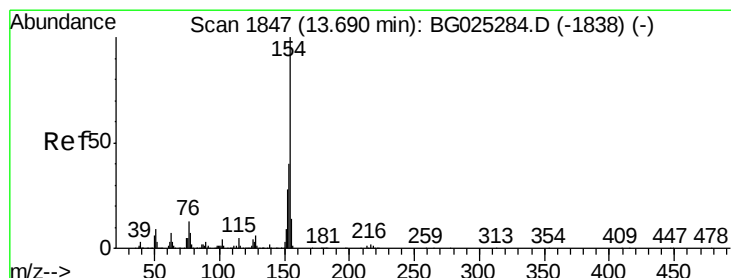
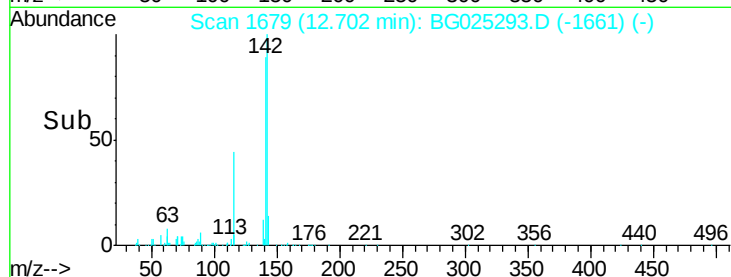
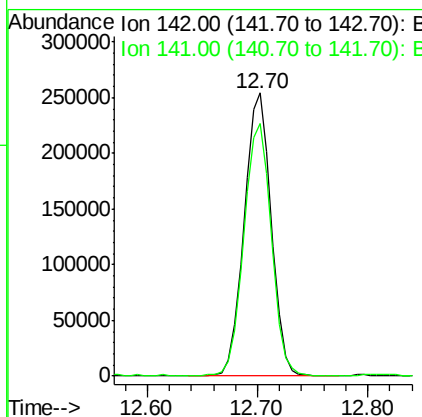
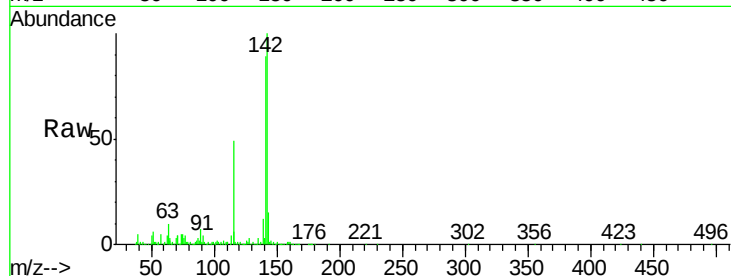




#34
 2-Methylnaphthalene
 Concen: 44.55 ng/ul
 RT: 12.70 min Scan# 1679
 Delta R.T. 0.00 min
 Lab File: BG025293.D
 Acq: 18 Dec 2016 3:22

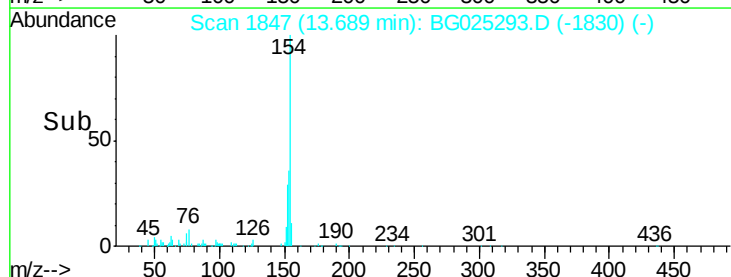
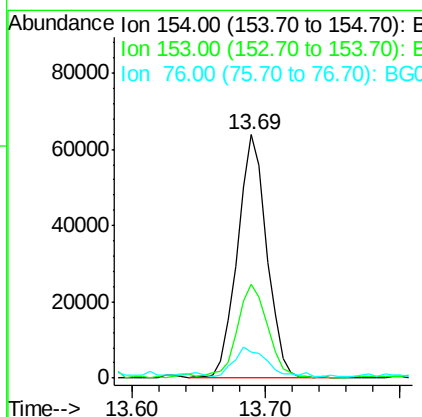
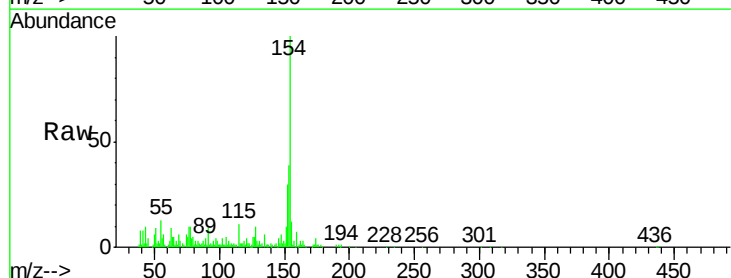
Instrument :
 BNA_G
 ClientSampleId :

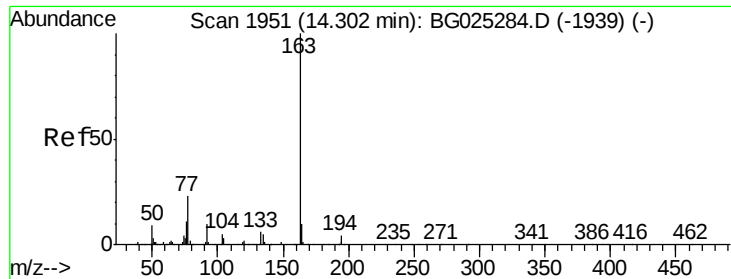
Tot Ion:142 Resp: 437740
 Ion Ratio Lower Upper
 142 100
 141 89.4 68.6 102.8



#40
 1,1'-Biphenyl
 Concen: 8.19 ng/ul
 RT: 13.69 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: BG025293.D
 Acq: 18 Dec 2016 3:22

Tgt Ion:154 Resp: 97048
 Ion Ratio Lower Upper
 154 100
 153 38.5 32.2 48.2
 76 10.5 9.6 14.4





#44

Dimethylphthalate

Concen: 4.91 ng/ul

RT: 14.29 min Scan# 1950

Delta R.T. -0.01 min

Lab File: BG025293.D

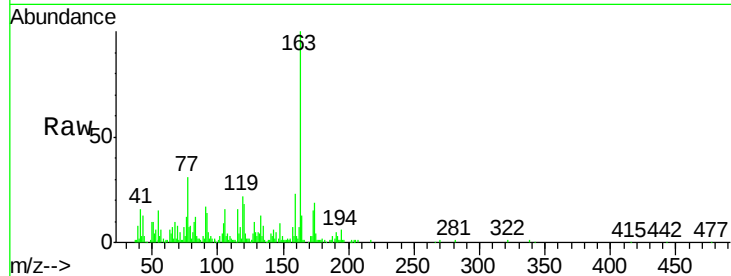
Acq: 18 Dec 2016 3:22

Instrument :

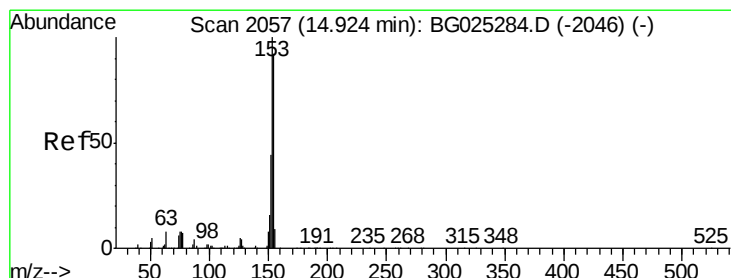
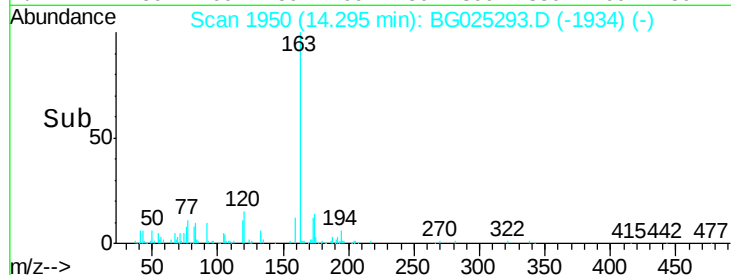
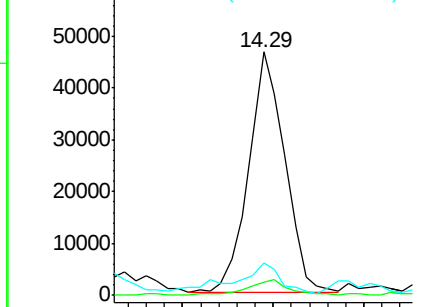
BNA_G

ClientSampleId :

Tot Ion:163	Resp:	64845
Ion Ratio	Lower	Upper
163	100	
194	5.6	3.4 5.0#
164	13.2	9.0 13.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#49

Acenaphthene

Concen: 2.33 ng/ul

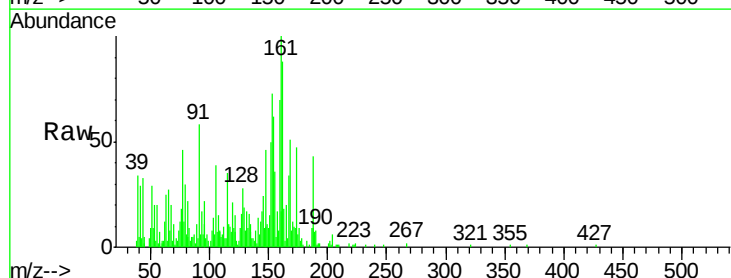
RT: 14.92 min Scan# 2057

Delta R.T. -0.00 min

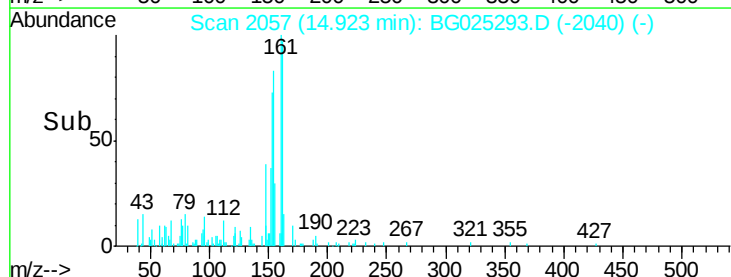
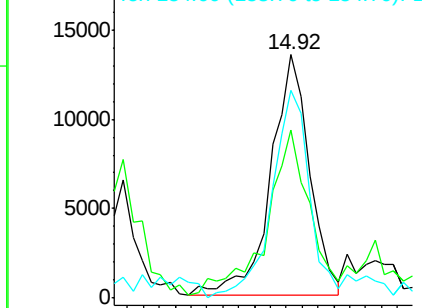
Lab File: BG025293.D

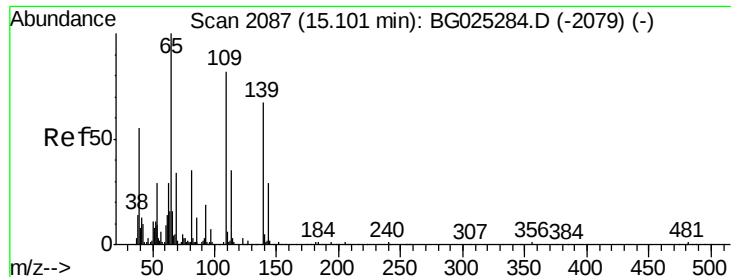
Acq: 18 Dec 2016 3:22

Tgt Ion:153	Resp:	22861
Ion Ratio	Lower	Upper
153	100	
152	68.9	36.5 54.7#
154	85.6	72.3 108.5



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E

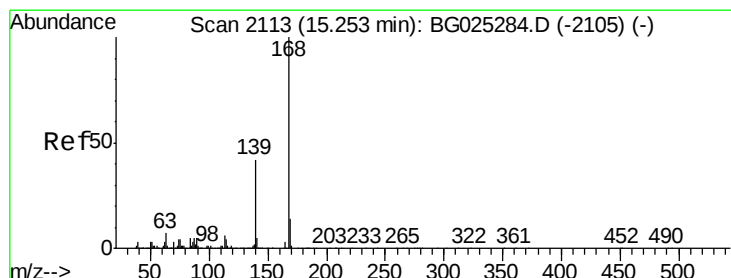
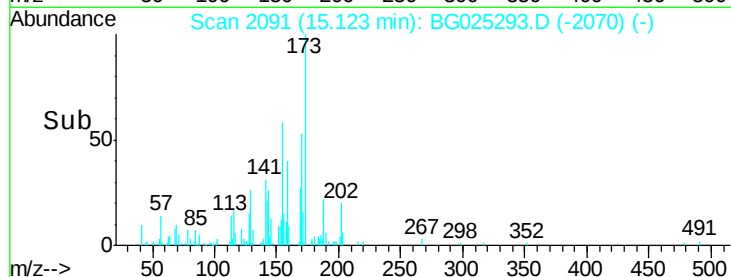
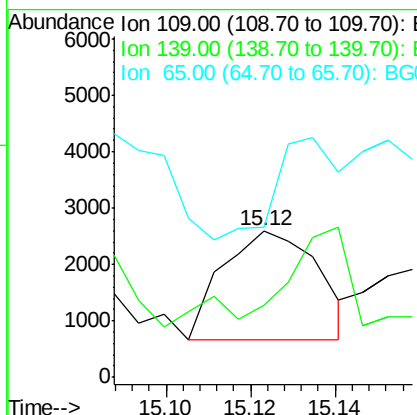
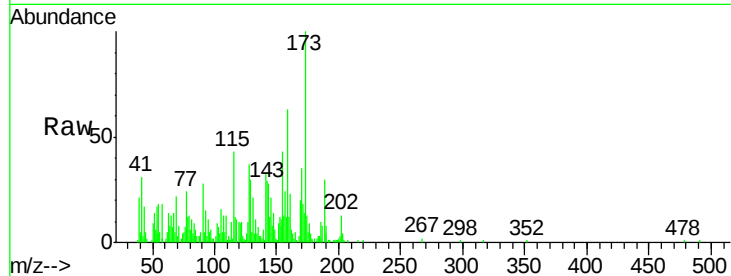




#52
4-Nitrophenol
Concen: 1.10 ng/ul
RT: 15.12 min Scan# 2091
Delta R.T. 0.02 min
Lab File: BG025293.D
Acq: 18 Dec 2016 3:22

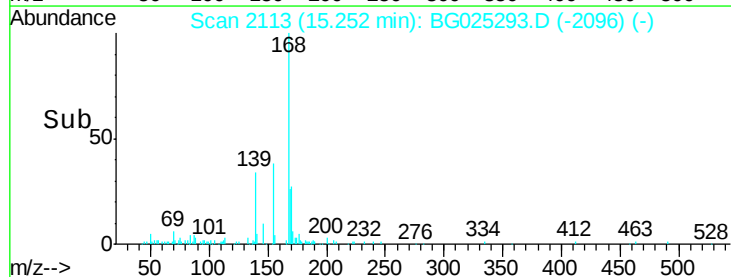
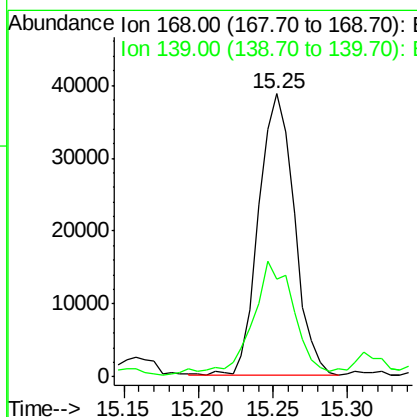
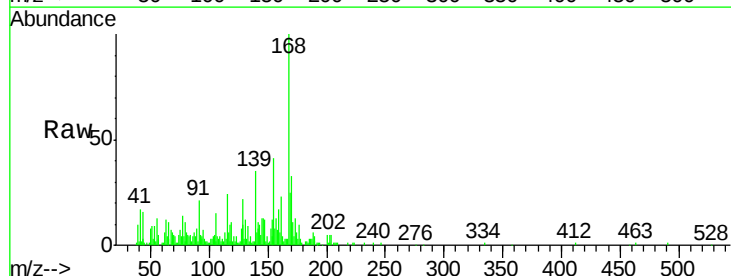
Instrument :
BNA_G
ClientSampled :

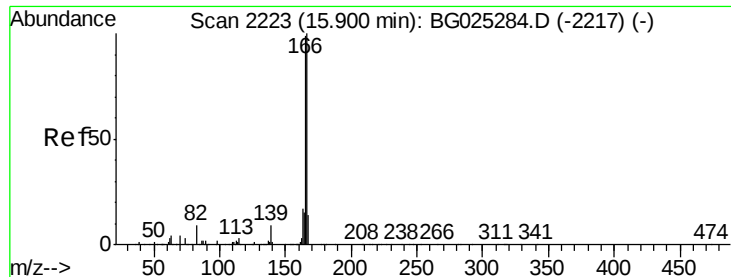
Tot Ion	Ratio	Lower	Upper
109	100		
139	49.4	62.6	93.8
65	102.7	90.4	135.6



#53
Dibenzofuran
Concen: 4.11 ng/ul
RT: 15.25 min Scan# 2113
Delta R.T. -0.00 min
Lab File: BG025293.D
Acq: 18 Dec 2016 3:22

Tgt Ion	Ratio	Lower	Upper
168	100		
139	34.7	33.8	50.8





#58

Fluorene

Concen: 5.35 ng/ul

RT: 15.90 min Scan# 2223

Delta R.T. -0.00 min

Lab File: BG025293.D

Acq: 18 Dec 2016 3:22

Instrument :

BNA_G

ClientSampleId :

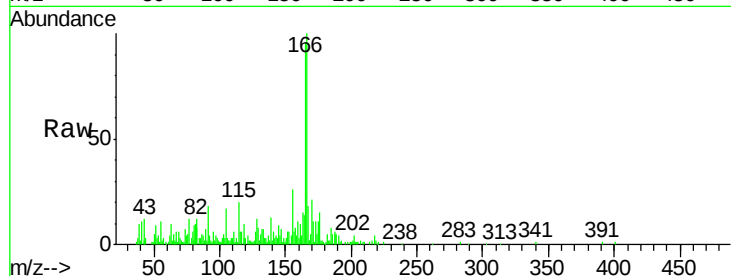
Tot Ion:166 Resp: 67642

Ion Ratio Lower Upper

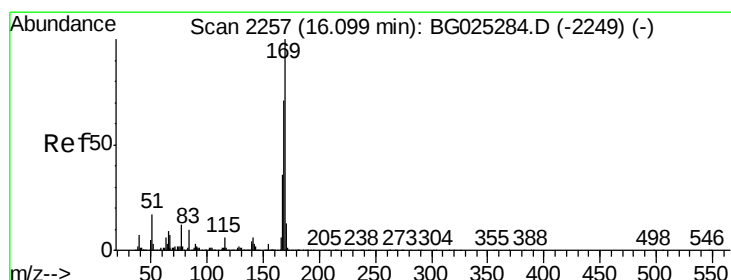
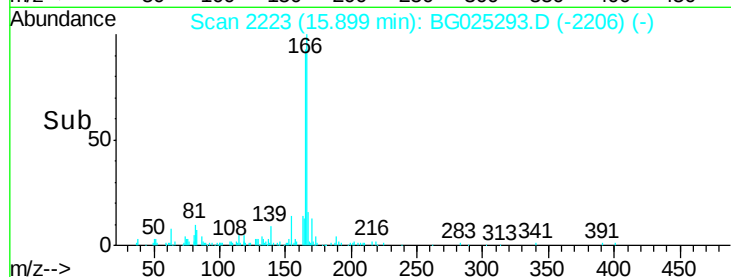
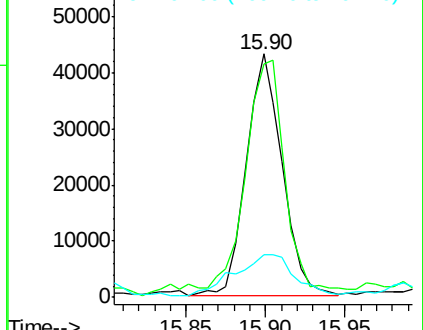
166 100

165 95.8 79.7 119.5

167 17.7 11.4 17.2#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#64

N-Nitrosodiphenylamine

Concen: 1.09 ng/ul

RT: 16.09 min Scan# 2256

Delta R.T. -0.01 min

Lab File: BG025293.D

Acq: 18 Dec 2016 3:22

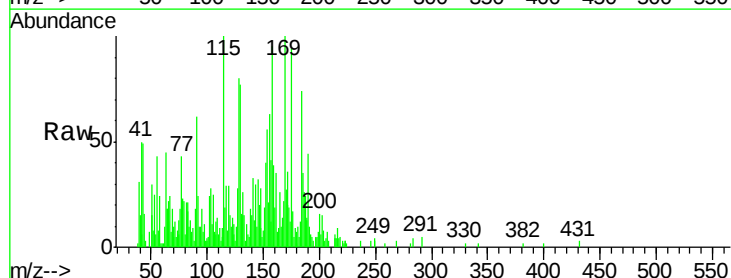
Tgt Ion:169 Resp: 12365

Ion Ratio Lower Upper

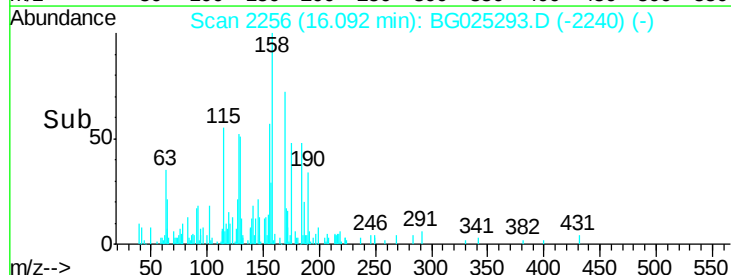
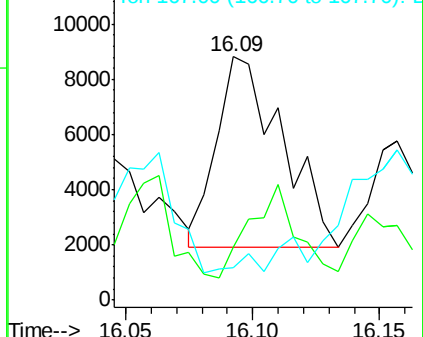
169 100

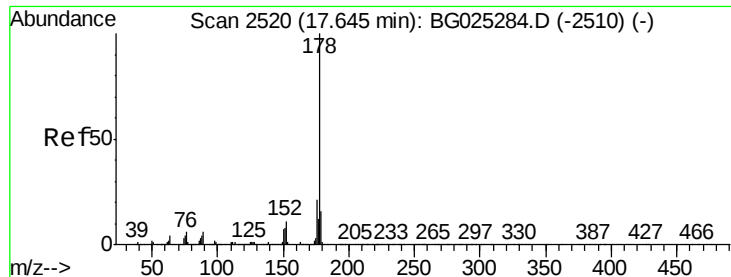
168 21.7 59.1 88.7#

167 13.5 29.7 44.5#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 1.78 ng/ul

RT: 17.64 min Scan# 2520

Delta R.T. -0.00 min

Lab File: BG025293.D

Acq: 18 Dec 2016 3:22

Instrument :

BNA_G

ClientSampleId :

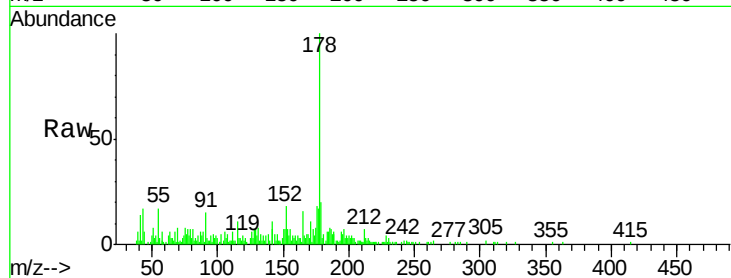
Tot Ion:178 Resp: 37478

Ion Ratio Lower Upper

178 100

179 20.2 12.4 18.6#

176 17.6 16.5 24.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

