

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
 Data File : BG025278.D
 Acq On : 17 Dec 2016 17:31
 Operator : UM/SJ
 Sample : H6040-16
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 18 00:23:45 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Dec 18 00:18:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	74188	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	293187	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	230776	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	491274	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	653356	20.00	ng/ul	0.00
83) Perylene-d12	25.32	264	671246	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.57	96	42233	29.40	ng/uL	-0.01
5) Phenol-d5	7.40	99	179430	28.03	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	121777	30.76	ng/ul	0.00
9) 2-Chlorophenol-d4	7.76	132	131146	29.30	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	149199	27.89	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	67836	32.67	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	76917	29.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	146291	29.39	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	123511	25.25	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	466631	29.40	ng/ul	0.00
46) Acenaphthylene-d8	14.55	160	531069	30.54	ng/ul	0.00
51) 4-Nitrophenol-d4	15.09	143	96041	35.20	ng/ul	0.00
57) Fluorene-d10	15.85	176	431581	28.88	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.98	200	106468	35.05	ng/ul	0.00
70) Anthracene-d10	17.70	188	687073	33.14	ng/ul	0.00
76) Pyrene-d10	19.98	212	852313	31.67	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.09	264	875067	32.17	ng/ul	0.00

Target Compounds

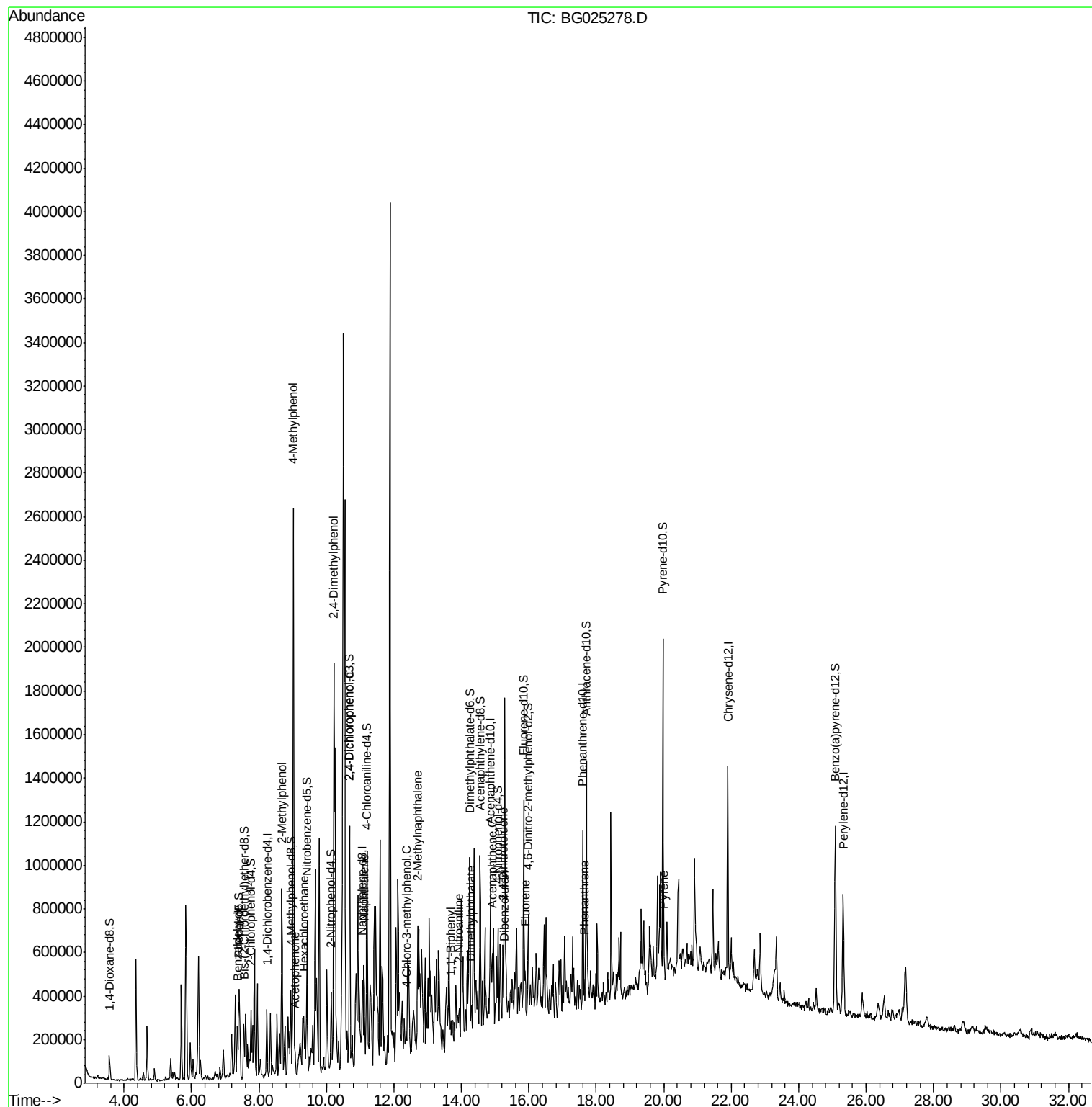
					Ovalue	
4) Benzaldehyde	7.35	77	21006	4.36	ng/ul#	1
6) Phenol	7.42	94	137208	20.89	ng/ul#	94
11) 2-Methylphenol	8.68	108	259255	53.60	ng/ul	90
14) Acetophenone	9.07	105	39038	4.80	ng/ul	92
16) 4-Methylphenol	9.02	108	905266	168.23	ng/ul	89
17) Hexachloroethane	9.33	117	21996	11.03	ng/ul#	1
24) 2,4-Dimethylphenol	10.22	107	721887	120.23	ng/ul	96
27) 2,4-Dichlorophenol	10.68	162	30250	6.26	ng/ul#	41
28) Naphthalene	11.12	128	315075	23.12	ng/ul	95
33) 4-Chloro-3-methylphenol	12.37	107	8959	1.50	ng/ul#	53
34) 2-Methylnaphthalene	12.70	142	264750	24.62	ng/ul	95
40) 1,1'-Biphenyl	13.69	154	51497	3.68	ng/ul	92
42) 2-Nitroaniline	13.94	65	7084	1.62	ng/ul#	15
44) Dimethylphthalate	14.30	163	86658	5.55	ng/ul#	98
49) Acenaphthene	14.92	153	20067	1.73	ng/ul#	42
53) Dibenzofuran	15.25	168	52522	2.87	ng/ul	95
54) 2,4-Dinitrotoluene	15.24	165	5375	1.06	ng/ul#	1
58) Fluorene	15.90	166	64036	4.29	ng/ul	99
69) Phenanthrene	17.64	178	68454	2.92	ng/ul	95
77) Pyrene	20.01	202	34328	1.09	ng/ul	97

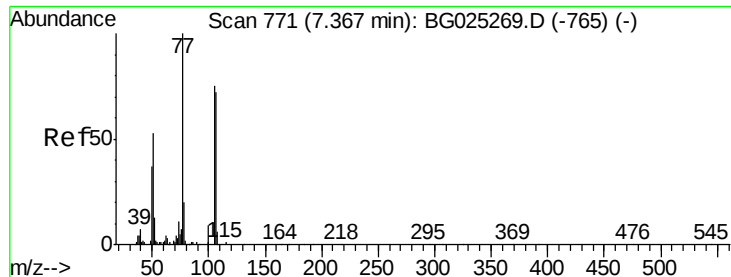
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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#4

Benzaldehyde

Concen: 4.36 ng/ul

RT: 7.35 min Scan# 768

Delta R.T. -0.02 min

Lab File: BG025278.D

Acq: 17 Dec 2016 17:31

Instrument :

BNA_G

ClientSampleId :

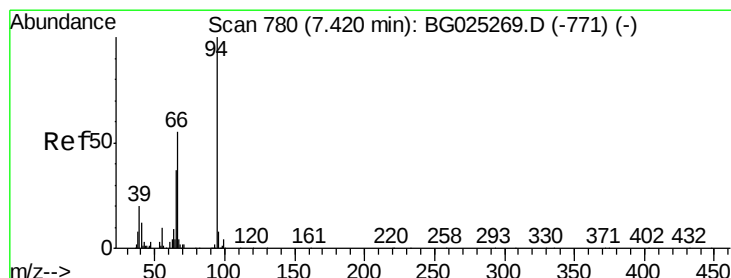
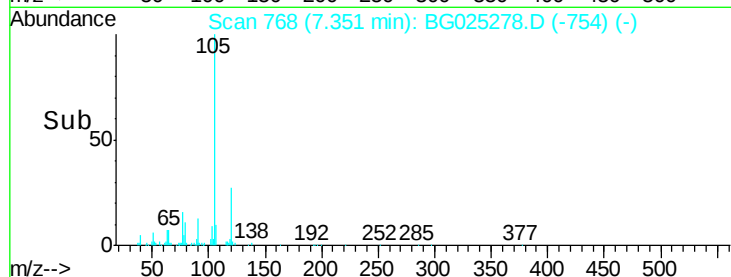
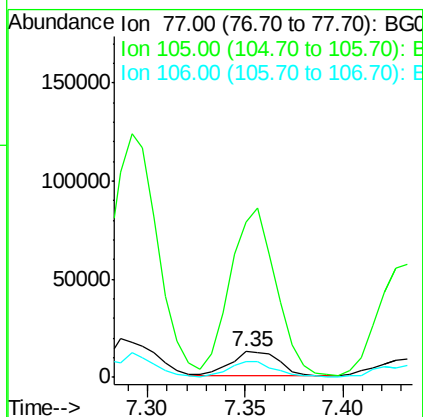
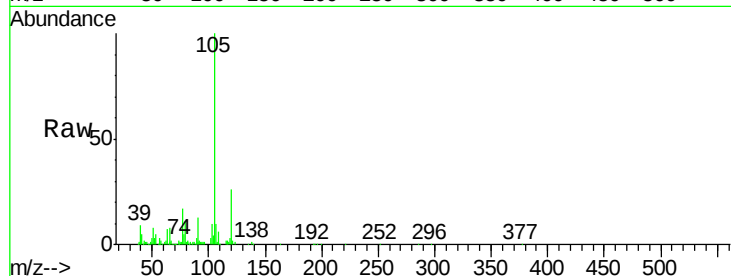
Tot Ion: 77 Resp: 21006

Ion Ratio Lower Upper

77 100

105 600.1 62.0 93.0#

106 58.9 60.2 90.4#



#6

Phenol

Concen: 20.89 ng/ul

RT: 7.42 min Scan# 780

Delta R.T. 0.00 min

Lab File: BG025278.D

Acq: 17 Dec 2016 17:31

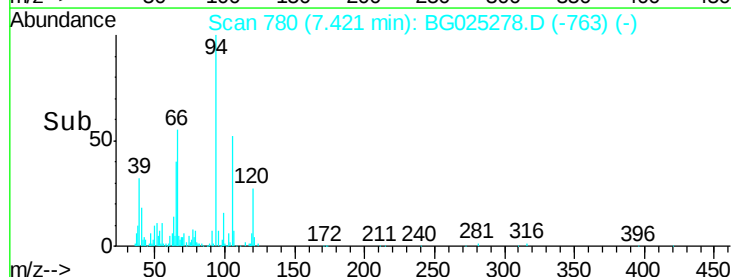
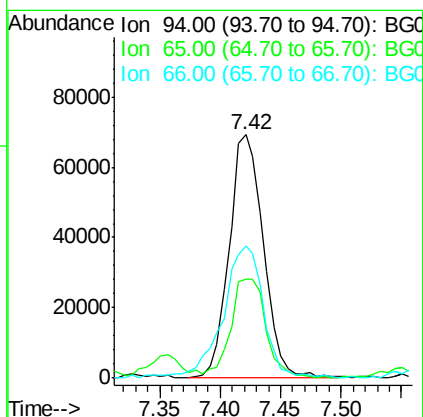
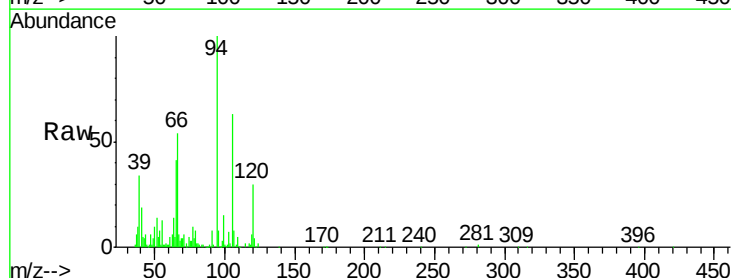
Tgt Ion: 94 Resp: 137208

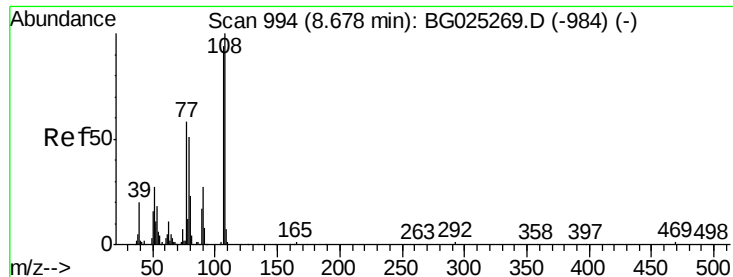
Ion Ratio Lower Upper

94 100

65 40.5 26.8 40.2#

66 54.2 44.4 66.6





#11

2-Methylphenol

Concen: 53.60 ng/ul

RT: 8.68 min Scan# 994

Delta R.T. 0.00 min

Lab File: BG025278.D

Acq: 17 Dec 2016 17:31

Instrument :

BNA_G

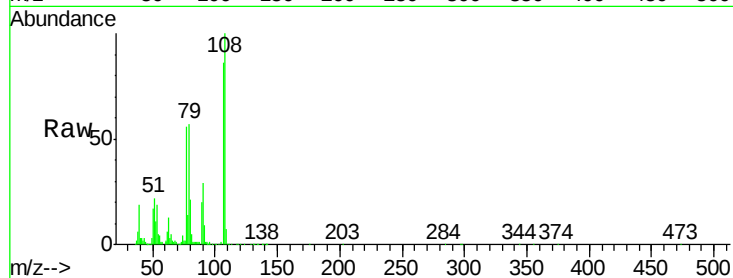
ClientSampleId :

Tot Ion:108 Resp: 259255

Ion Ratio Lower Upper

108 100

107 86.3 76.7 115.1



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

150000

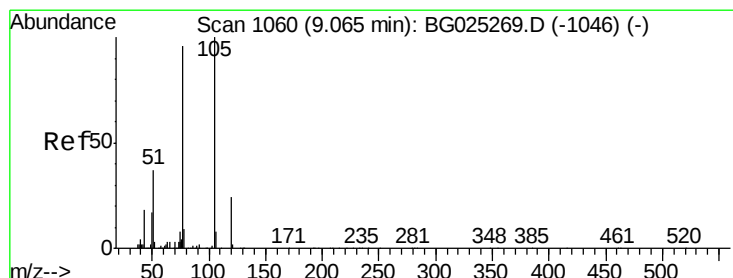
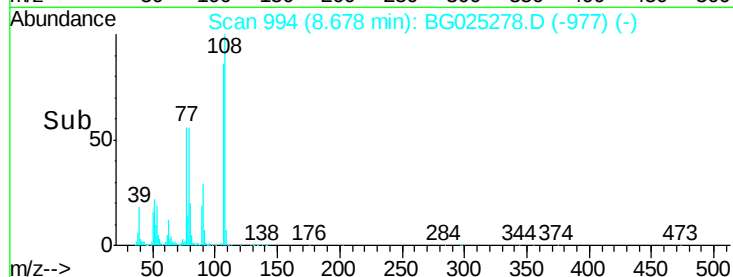
100000

50000

0

8.60 8.68 8.70 8.80

Time-->



#14

Acetophenone

Concen: 4.80 ng/ul

RT: 9.07 min Scan# 1061

Delta R.T. 0.01 min

Lab File: BG025278.D

Acq: 17 Dec 2016 17:31

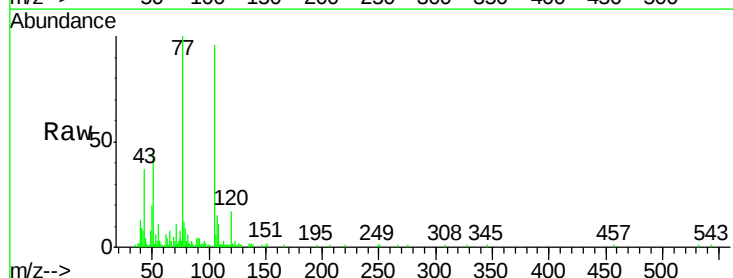
Tgt Ion:105 Resp: 39038

Ion Ratio Lower Upper

105 100

77 104.3 76.0 114.0

51 46.3 34.8 52.2



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG0

Ion 51.00 (50.70 to 51.70): BG0

300000

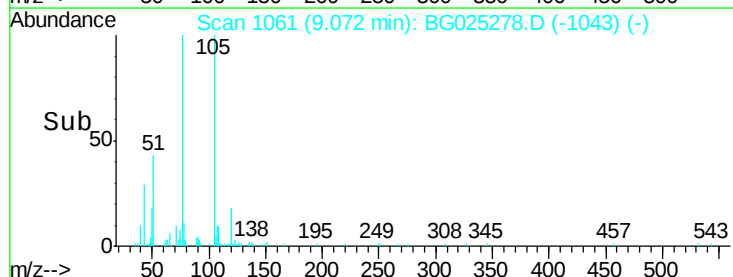
200000

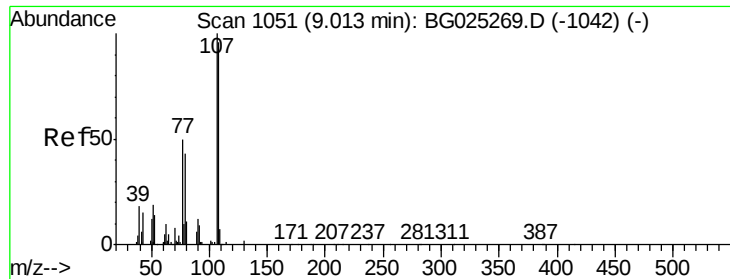
100000

0

9.05 9.07 9.10

Time-->

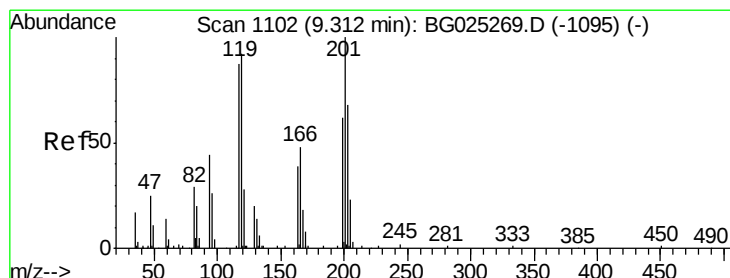
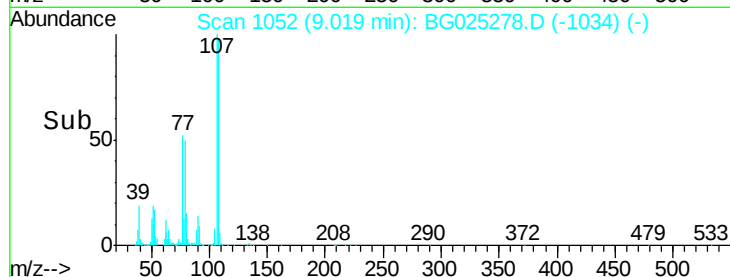
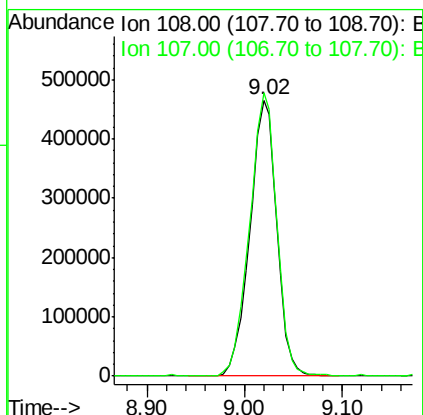
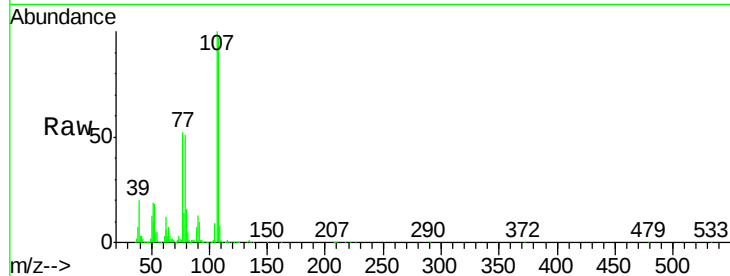




#16
4-Methylphenol
Concen: 168.23 ng/ul
RT: 9.02 min Scan# 1052
Delta R.T. 0.01 min
Lab File: BG025278.D
Acq: 17 Dec 2016 17:31

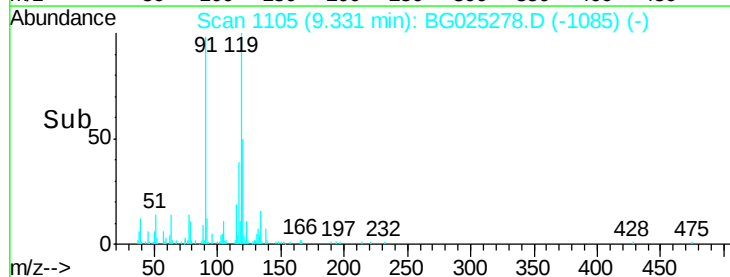
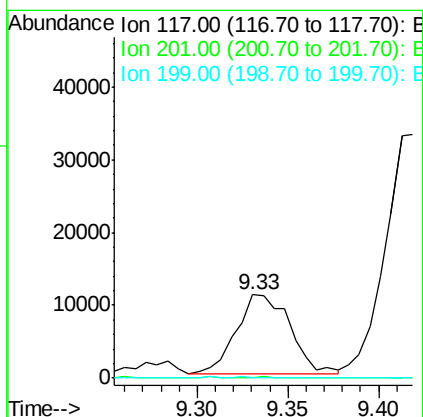
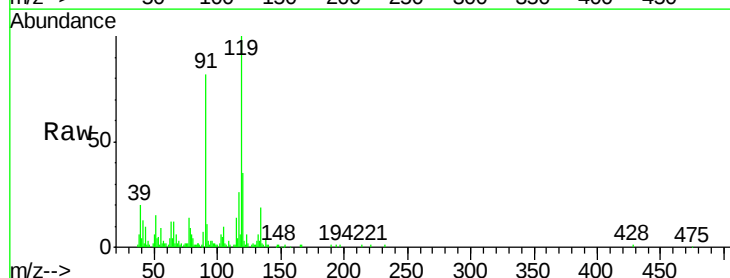
Instrument :
BNA_G
ClientSampleId :

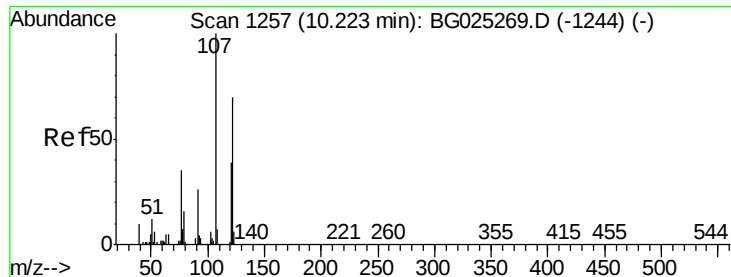
Tot Ion:108 Resp: 905266
Ion Ratio Lower Upper
108 100
107 102.6 91.7 137.5



#17
Hexachloroethane
Concen: 11.03 ng/ul
RT: 9.33 min Scan# 1105
Delta R.T. 0.02 min
Lab File: BG025278.D
Acq: 17 Dec 2016 17:31

Tgt Ion:117 Resp: 21996
Ion Ratio Lower Upper
117 100
201 0.0 91.9 137.9#
199 0.0 64.3 96.5#

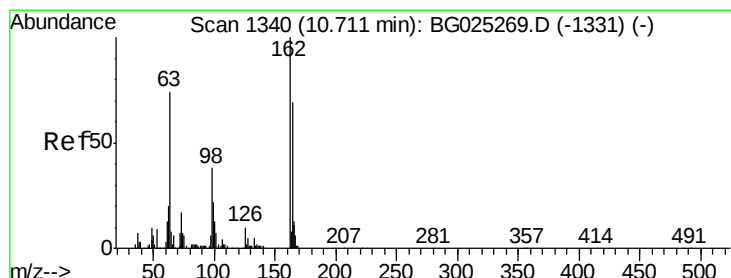
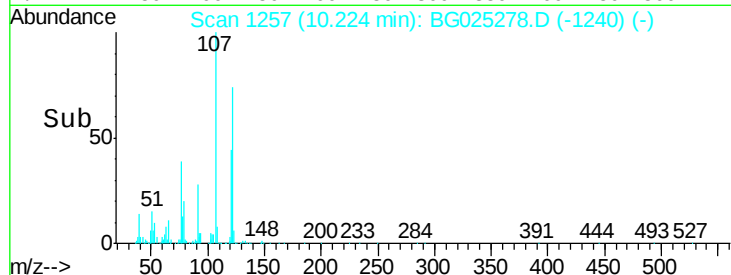
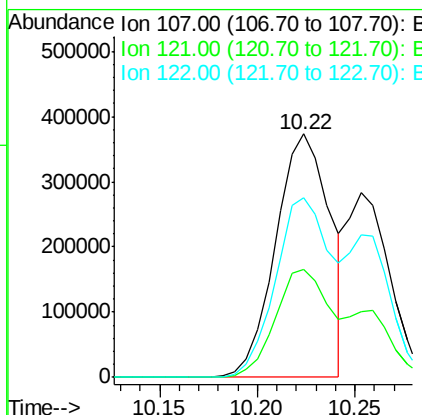
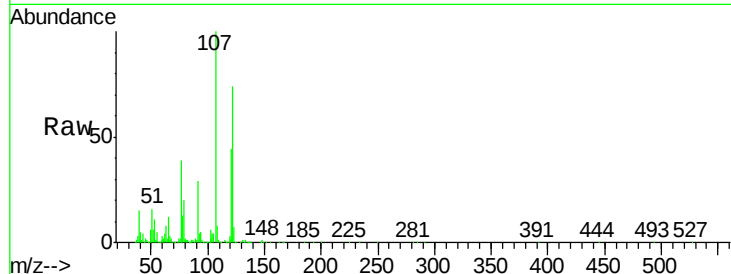




#24
2,4-Dimethylphenol
Concen: 120.23 ng/ul
RT: 10.22 min Scan# 1257
Delta R.T. 0.00 min
Lab File: BG025278.D
Acq: 17 Dec 2016 17:31

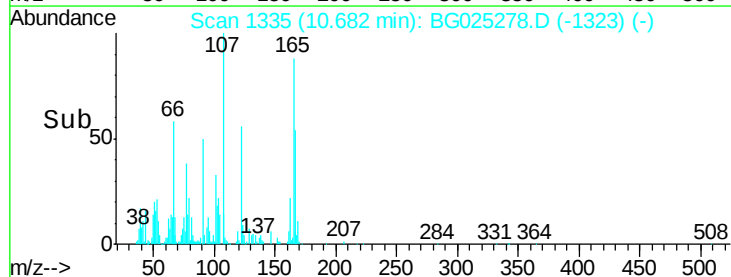
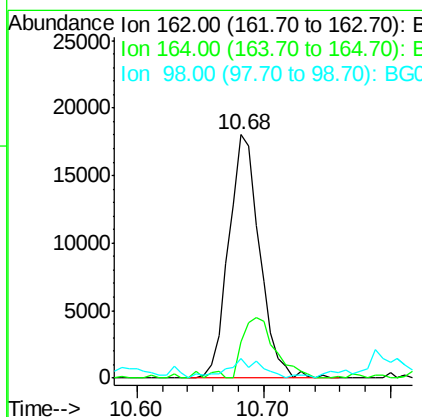
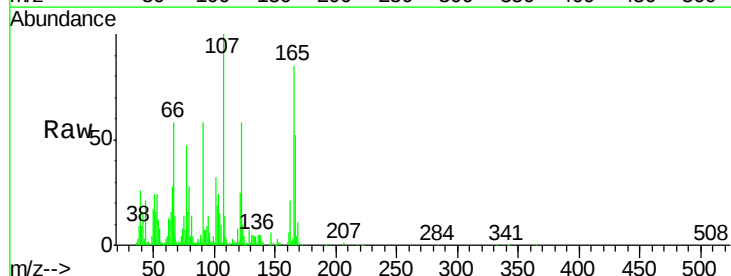
Instrument :
BNA_G
ClientSampled :

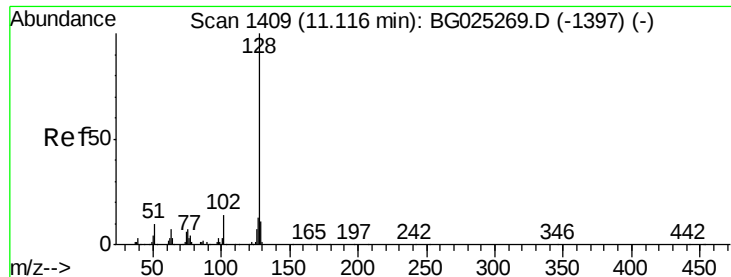
Tot Ion	Ratio	Lower	Upper
107	100		
121	44.4	32.3	48.5
122	73.6	61.2	91.8



#27
2,4-Dichlorophenol
Concen: 6.26 ng/ul
RT: 10.68 min Scan# 1335
Delta R.T. -0.03 min
Lab File: BG025278.D
Acq: 17 Dec 2016 17:31

Tgt Ion	Ratio	Lower	Upper
162	100		
164	14.7	50.8	76.2#
98	7.9	32.1	48.1#

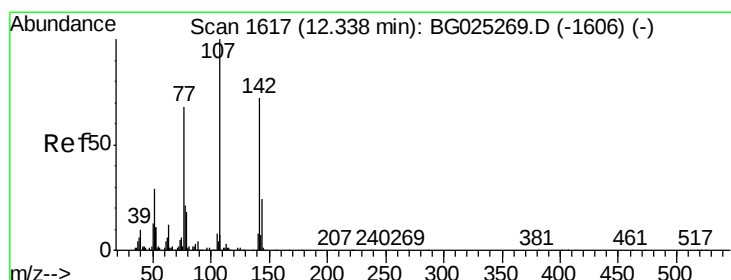
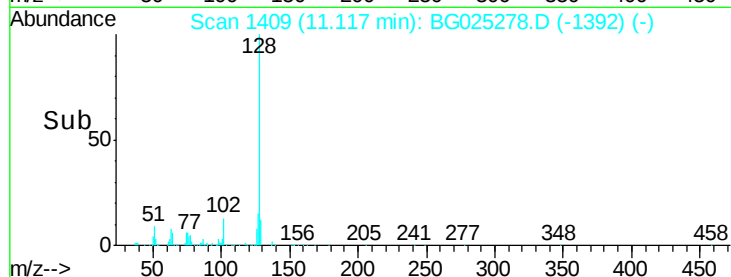
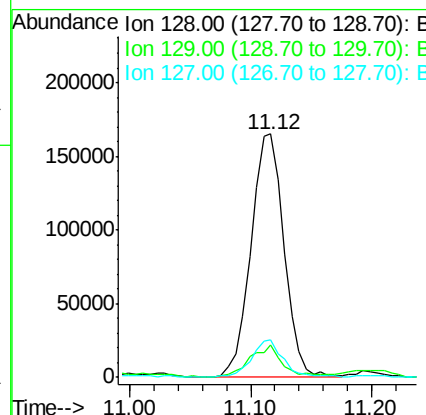
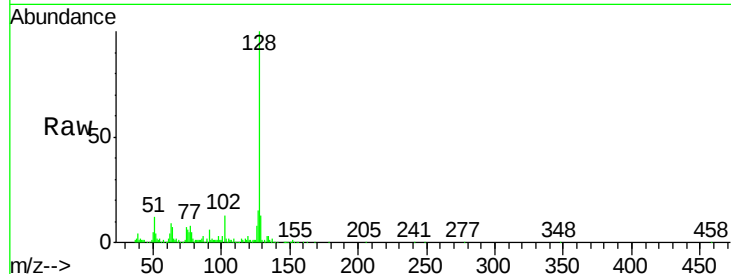




#28
Naphthalene
Concen: 23.12 ng/ul
RT: 11.12 min Scan# 1409
Delta R.T. 0.00 min
Lab File: BG025278.D
Acq: 17 Dec 2016 17:31

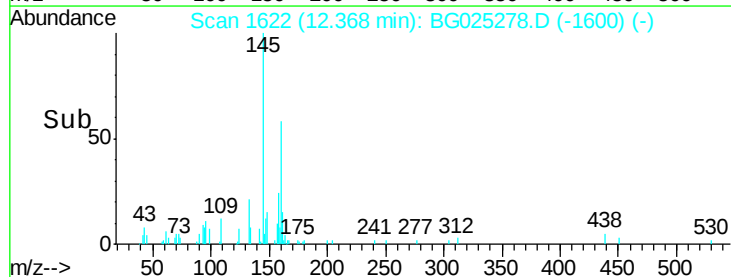
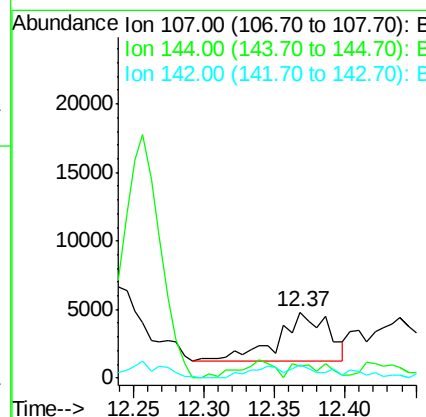
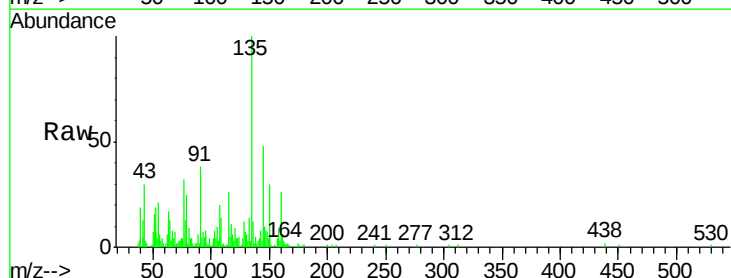
Instrument :
BNA_G
ClientSampleId :

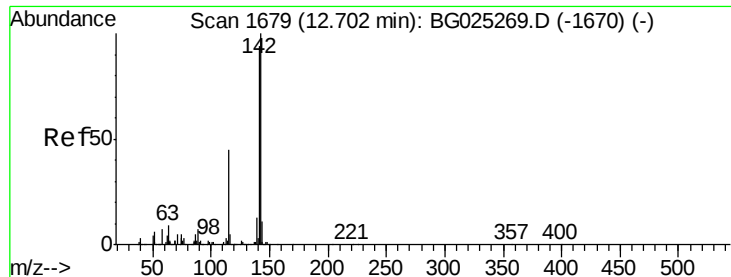
Tot Ion:128 Resp: 315075
Ion Ratio Lower Upper
128 100
129 13.3 9.4 14.2
127 15.2 10.3 15.5



#33
4-Chloro-3-methylphenol
Concen: 1.50 ng/ul
RT: 12.37 min Scan# 1622
Delta R.T. 0.03 min
Lab File: BG025278.D
Acq: 17 Dec 2016 17:31

Tgt Ion:107 Resp: 8959
Ion Ratio Lower Upper
107 100
144 17.6 18.2 27.4#
142 20.5 55.0 82.4#

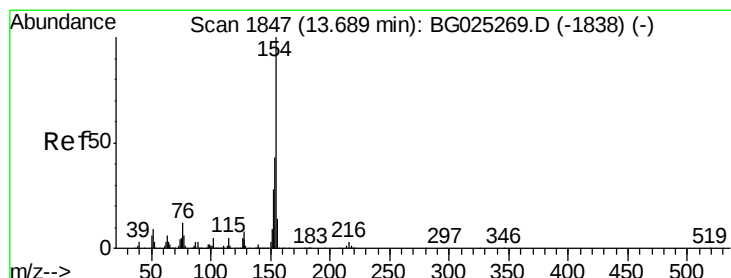
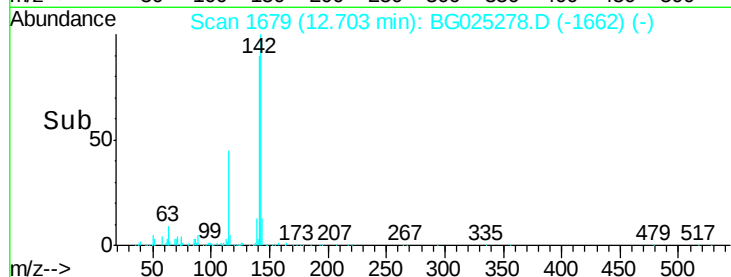
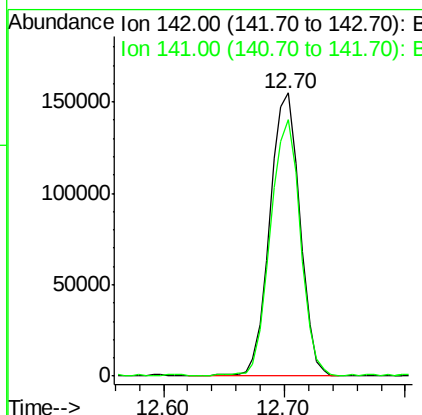
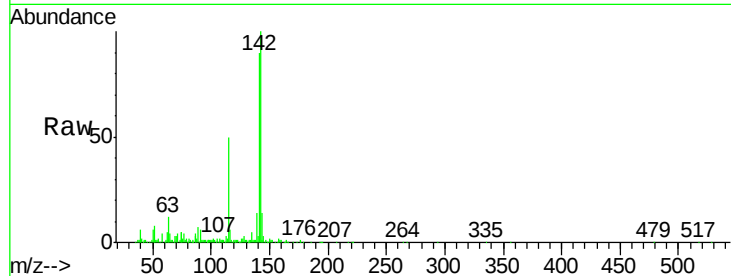




#34
 2-Methylnaphthalene
 Concen: 24.62 ng/ul
 RT: 12.70 min Scan# 1679
 Delta R.T. 0.00 min
 Lab File: BG025278.D
 Acq: 17 Dec 2016 17:31

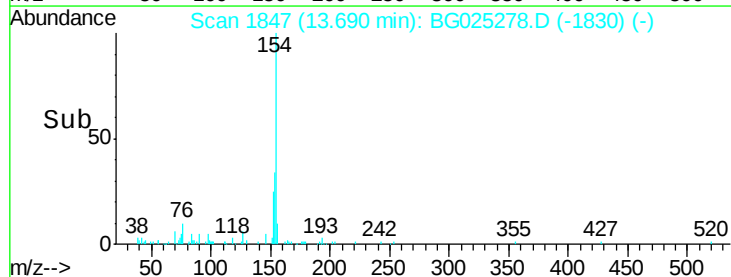
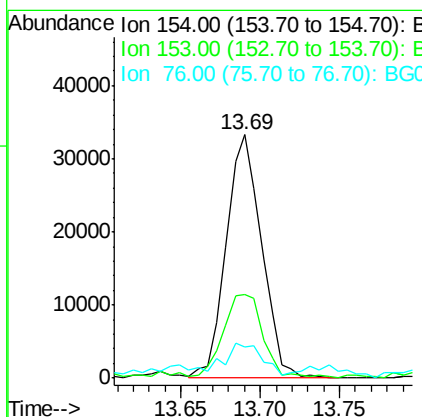
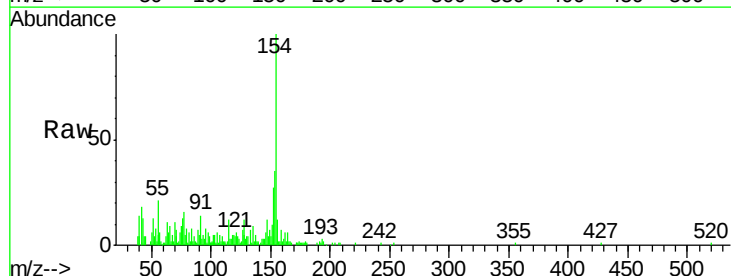
Instrument :
 BNA_G
 ClientSampleId :

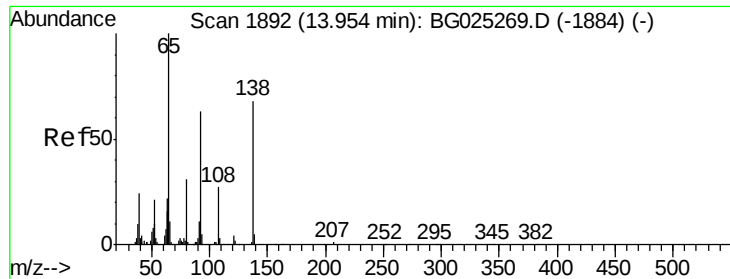
Tot Ion:142 Resp: 264750
 Ion Ratio Lower Upper
 142 100
 141 90.4 68.6 102.8



#40
 1,1'-Biphenyl
 Concen: 3.68 ng/ul
 RT: 13.69 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: BG025278.D
 Acq: 17 Dec 2016 17:31

Tgt Ion:154 Resp: 51497
 Ion Ratio Lower Upper
 154 100
 153 34.5 32.2 48.2
 76 12.7 9.6 14.4

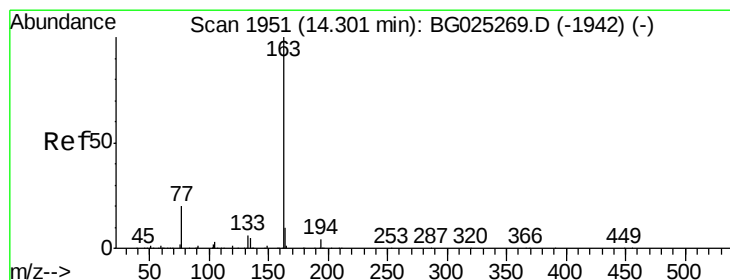
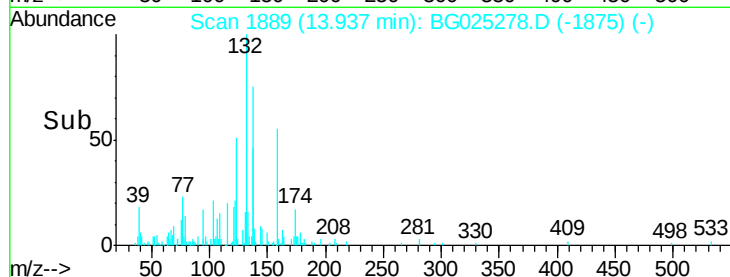
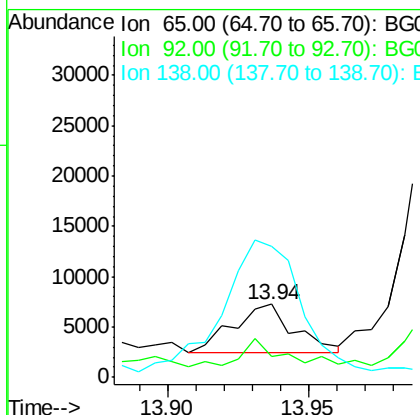
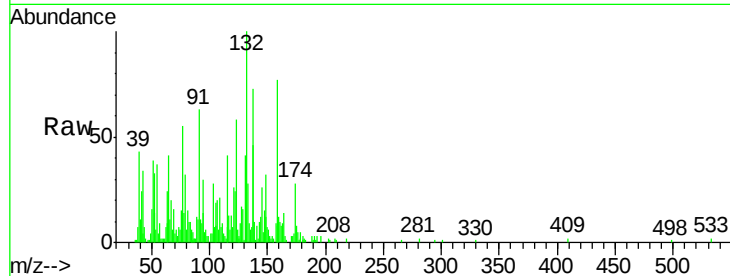




#42
2-Nitroaniline
Concen: 1.62 ng/ul
RT: 13.94 min Scan# 1889
Delta R.T. -0.02 min
Lab File: BG025278.D
Acq: 17 Dec 2016 17:31

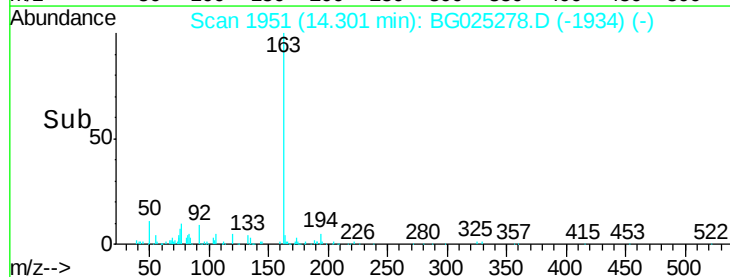
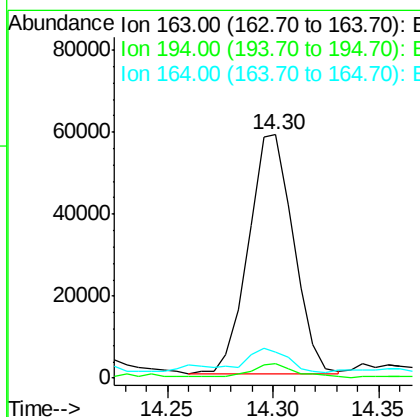
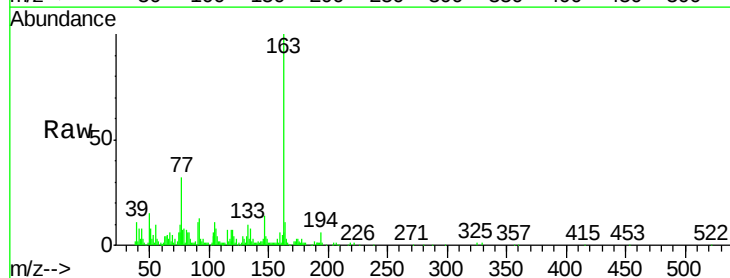
Instrument :
BNA_G
ClientSampleId :

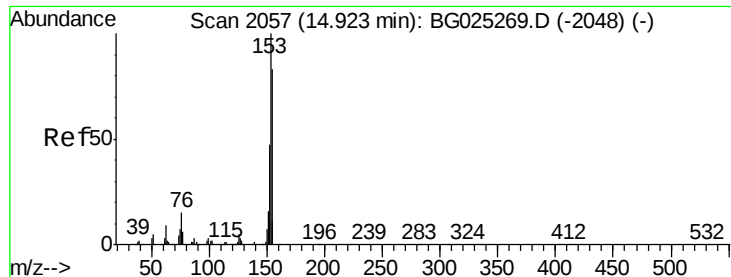
Tot Ion: 65 Resp: 7084
Ion Ratio Lower Upper
65 100
92 28.0 50.9 76.3#
138 179.3 61.8 92.6#



#44
Dimethylphthalate
Concen: 5.55 ng/ul
RT: 14.30 min Scan# 1951
Delta R.T. 0.00 min
Lab File: BG025278.D
Acq: 17 Dec 2016 17:31

Tgt Ion:163 Resp: 86658
Ion Ratio Lower Upper
163 100
194 5.7 3.4 5.0#
164 10.9 9.0 13.4





#49

Acenaphthene

Concen: 1.73 ng/ul

RT: 14.92 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BG025278.D

Acq: 17 Dec 2016 17:31

Instrument :

BNA_G

ClientSampleId :

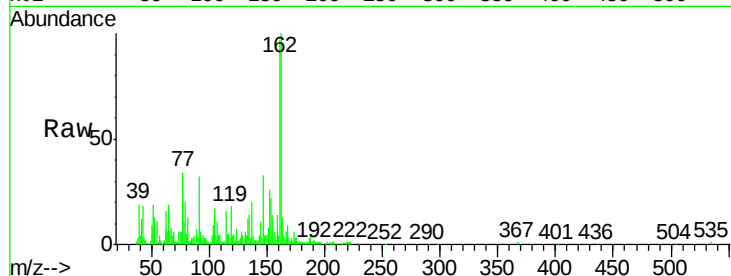
Tot Ion:153 Resp: 20067

Ion Ratio Lower Upper

153 100

152 120.7 36.5 54.7#

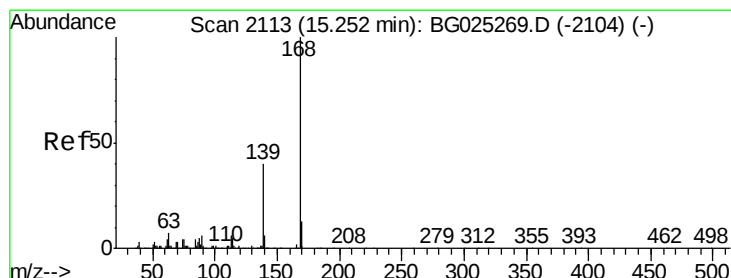
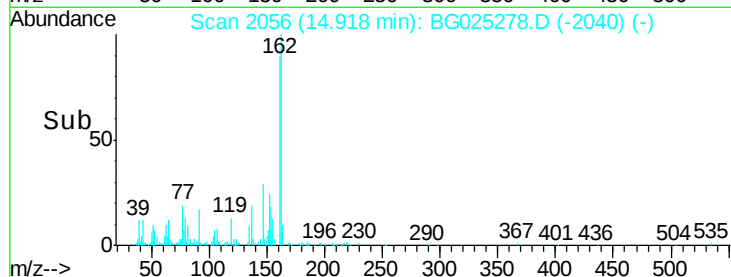
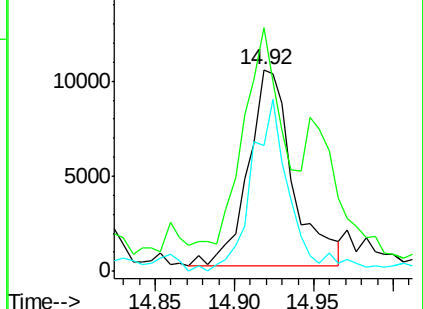
154 62.5 72.3 108.5#



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



#53

Dibenzofuran

Concen: 2.87 ng/ul

RT: 15.25 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BG025278.D

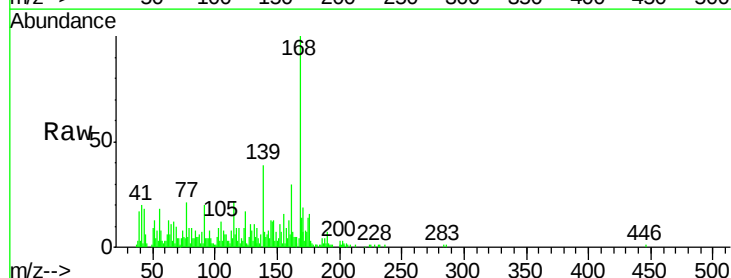
Acq: 17 Dec 2016 17:31

Tgt Ion:168 Resp: 52522

Ion Ratio Lower Upper

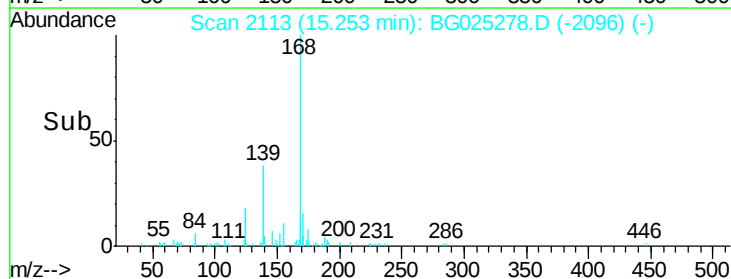
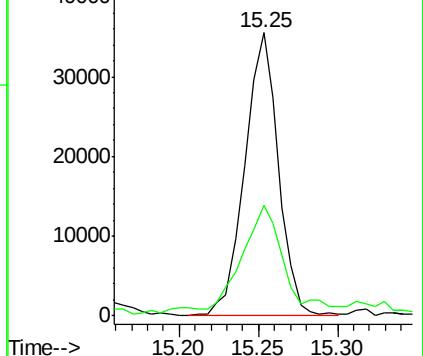
168 100

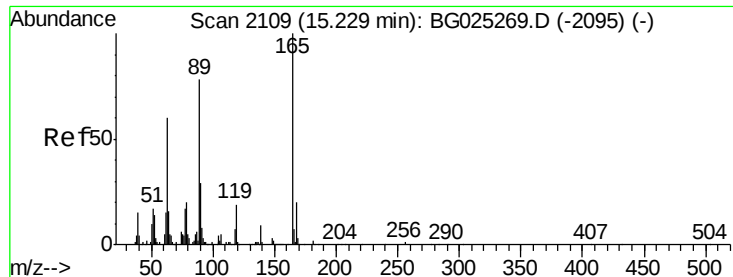
139 39.1 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#54

2,4-Dinitrotoluene

Concen: 1.06 ng/ul

RT: 15.24 min Scan# 2110

Delta R.T. 0.01 min

Lab File: BG025278.D

Acq: 17 Dec 2016 17:31

Instrument :

BNA_G

ClientSampleId :

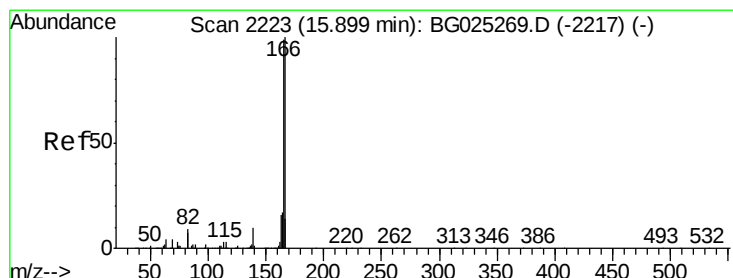
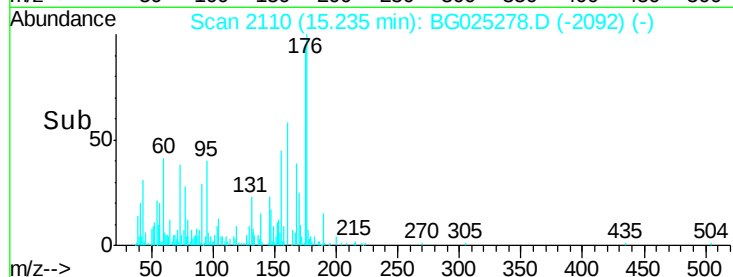
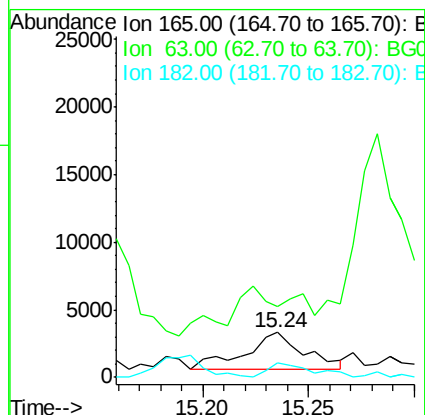
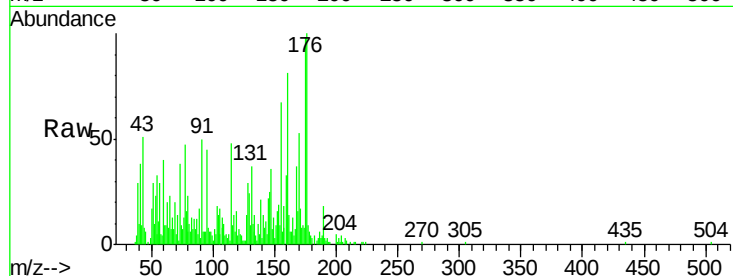
Tot Ion:165 Resp: 5375

Ion Ratio Lower Upper

165 100

63 156.2 46.8 70.2#

182 32.1 1.8 2.6#



#58

Fluorene

Concen: 4.29 ng/ul

RT: 15.90 min Scan# 2223

Delta R.T. 0.00 min

Lab File: BG025278.D

Acq: 17 Dec 2016 17:31

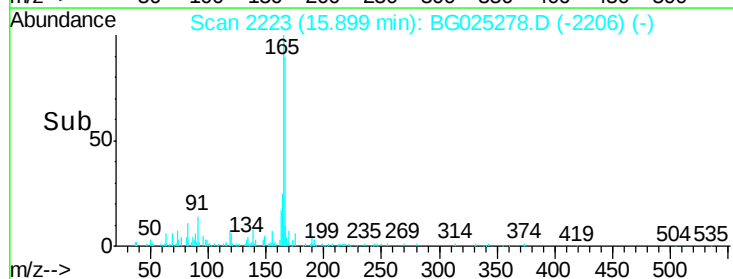
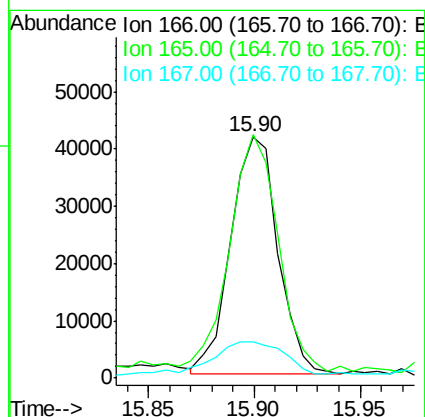
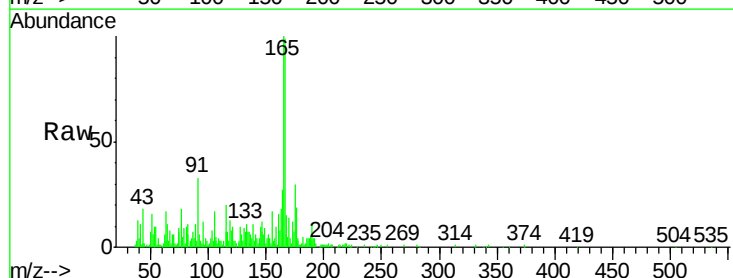
Tgt Ion:166 Resp: 64036

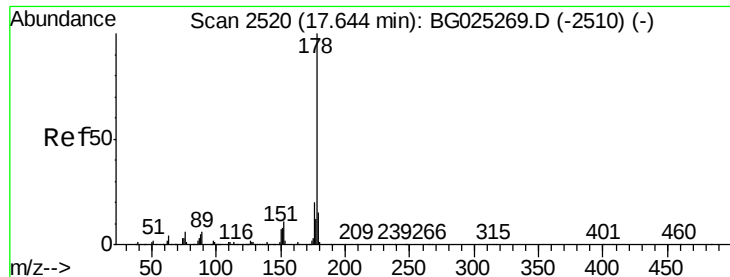
Ion Ratio Lower Upper

166 100

165 100.9 79.7 119.5

167 15.1 11.4 17.2





#69

Phenanthrene

Concen: 2.92 ng/ul

RT: 17.64 min Scan# 2520

Delta R.T. 0.00 min

Lab File: BG025278.D

Acq: 17 Dec 2016 17:31

Instrument :

BNA_G

ClientSampled :

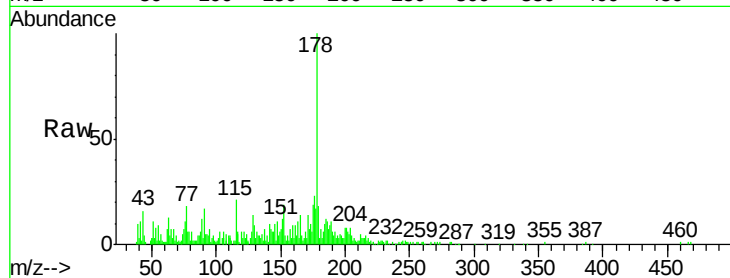
Tot Ion:178 Resp: 68454

Ion Ratio Lower Upper

178 100

179 18.3 12.4 18.6

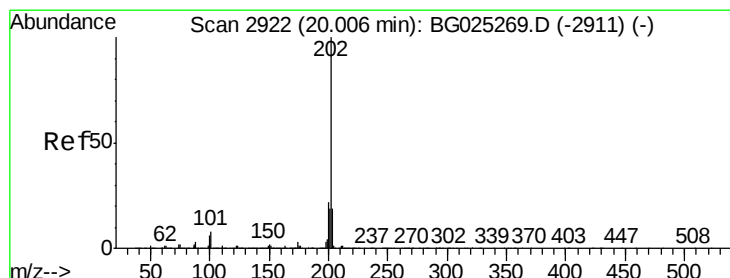
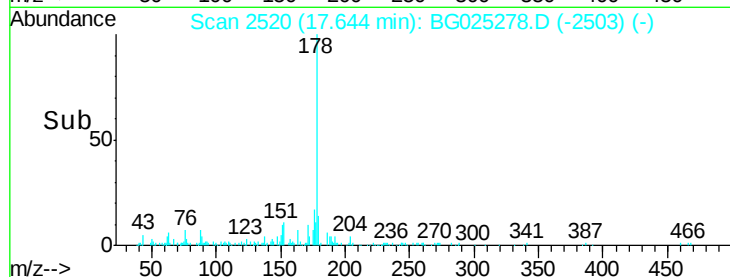
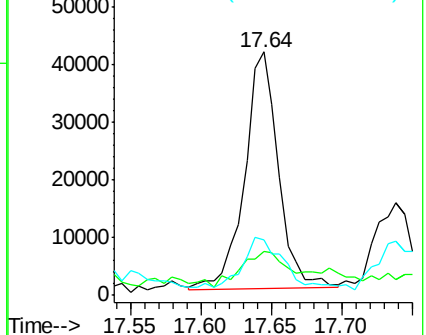
176 22.6 16.5 24.7



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



#77

Pyrene

Concen: 1.09 ng/ul

RT: 20.01 min Scan# 2922

Delta R.T. 0.00 min

Lab File: BG025278.D

Acq: 17 Dec 2016 17:31

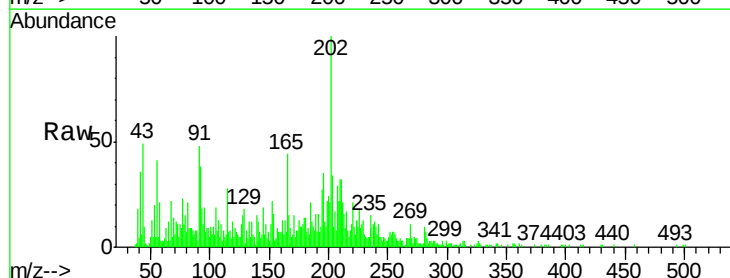
Tgt Ion:202 Resp: 34328

Ion Ratio Lower Upper

202 100

101 9.8 6.9 10.3

100 7.7 6.6 10.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

