

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071116\
 Data File : BG023017.D
 Acq On : 12 Jul 2016 1:58
 Operator : UM/SJ
 Sample : H3967-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

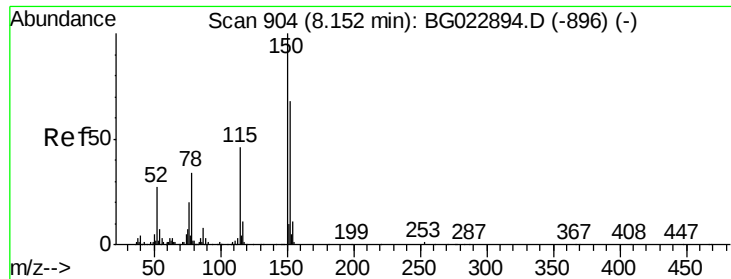
Instrument :
 BNA_G
 ClientSampleId :
 S22-0009

Quant Time: Jul 13 02:02:12 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 12 18:30:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	117952	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	560647	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	394213	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	851324	20.00	ng	0.00
75) Chrysene-d12	21.87	240	940086	20.00	ng	0.02
86) Perylene-d12	25.25	264	972102	20.00	ng	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	149733	20.76	ng	0.00
7) Phenol-d6	7.30	99	175967	15.58	ng	0.00
23) Nitrobenzene-d5	9.33	82	680080	51.94	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	281843	39.78	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1363061	54.46	ng	0.00
78) Terphenyl-d14	20.16	244	1646104	46.09	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.29	77	243135	32.21	ng	# 1
18) Hexachloroethane	9.27	117	141297	35.59	ng	# 1
19) n-Nitroso-di-n-propylamine	8.91	70	49427	4.85	ng	# 72
22) Acetophenone	8.96	105	479041	28.47	ng	# 56
24) Nitrobenzene	9.36	77	34595	2.49	ng	# 36
25) Isophorone	9.89	82	99807	3.79	ng	# 1
31) Naphthalene	11.04	128	1507166	52.81	ng	98
37) 2-Methylnaphthalene	12.63	142	671694	29.78	ng	99
45) 1,1'-Biphenyl	13.63	154	95666	3.23	ng	98
49) Dimethylphthalate	14.24	163	365195	11.34	ng	97
83) Bis(2-ethylhexyl)phthalate	21.72	149	68074	2.34	ng	# 99

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

```
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071116\  
Data File : BG023017.D  
Acq On    : 12 Jul 2016    1:58  
Operator  : UM/SJ  
Sample    : H3967-07  
Misc      :  
ALS Vial  : 15    Sample Multiplier: 1
```



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.15 min Scan# 904

Delta R.T. -0.00 min

Lab File: BG023017.D

Acq: 12 Jul 2016 1:58

Instrument :

BNA_G

ClientSampleId :

S22-0009

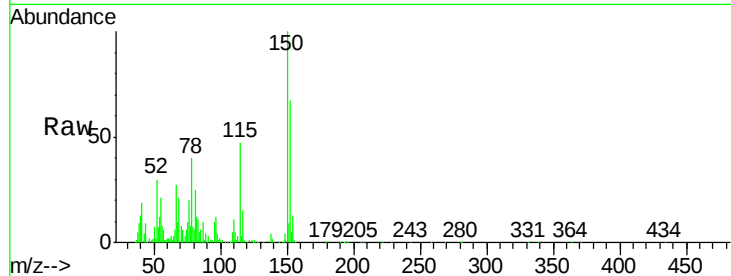
Tgt Ion:152 Resp: 117952

Ion Ratio Lower Upper

152 100

150 149.5 144.7 217.1

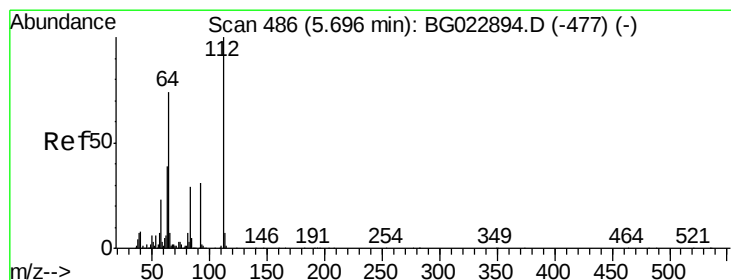
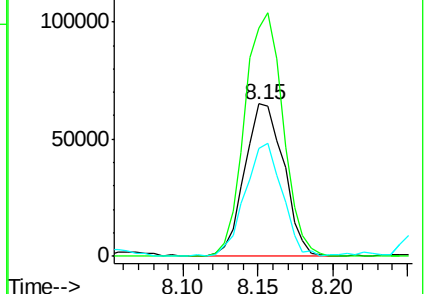
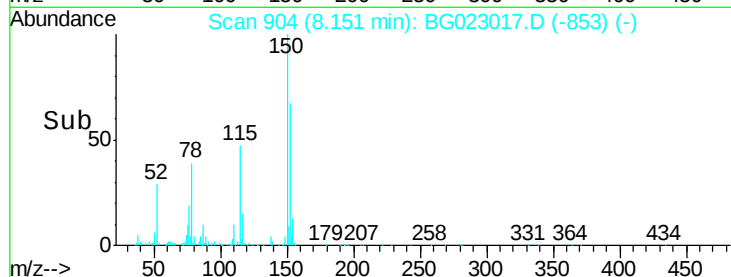
115 70.7 64.0 96.0



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



#5

2-Fluorophenol

Concen: 20.76 ng

RT: 5.69 min Scan# 486

Delta R.T. -0.00 min

Lab File: BG023017.D

Acq: 12 Jul 2016 1:58

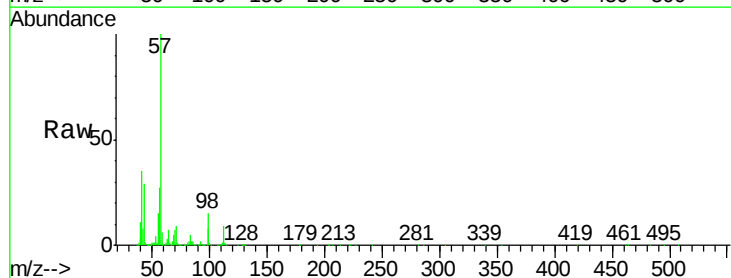
Tgt Ion:112 Resp: 149733

Ion Ratio Lower Upper

112 100

64 76.4 59.0 88.4

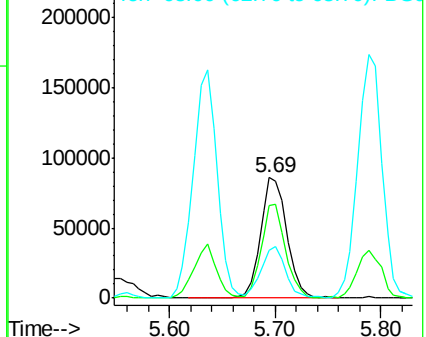
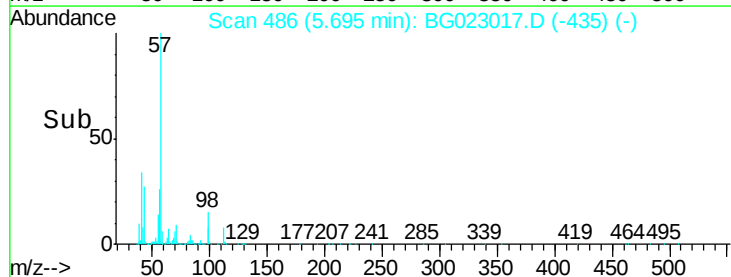
63 39.8 37.8 56.8

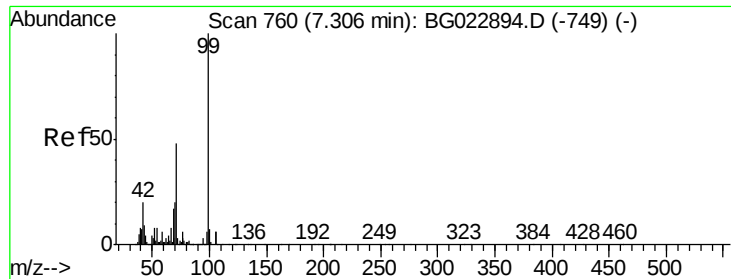


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 15.58 ng

RT: 7.30 min Scan# 760

Delta R.T. -0.00 min

Lab File: BG023017.D

Acq: 12 Jul 2016 1:58

Instrument :

BNA_G

ClientSampleId :

S22-0009

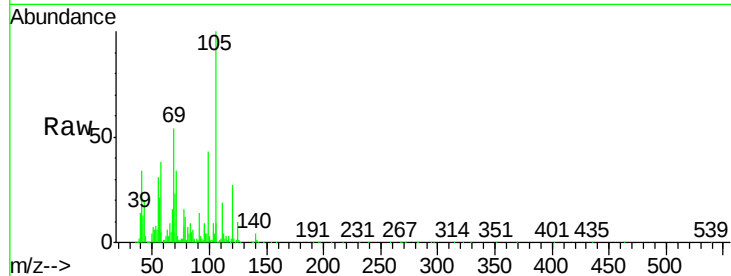
Tgt Ion: 99 Resp: 175967

Ion Ratio Lower Upper

99 100

42 29.8 17.8 26.6#

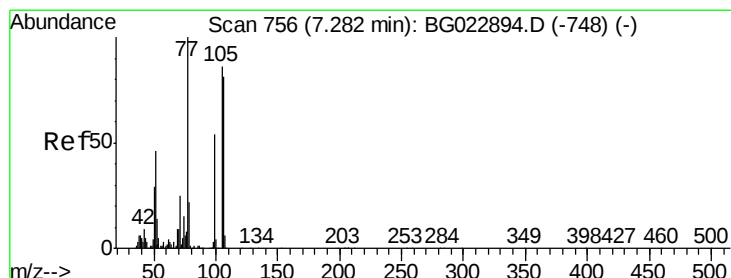
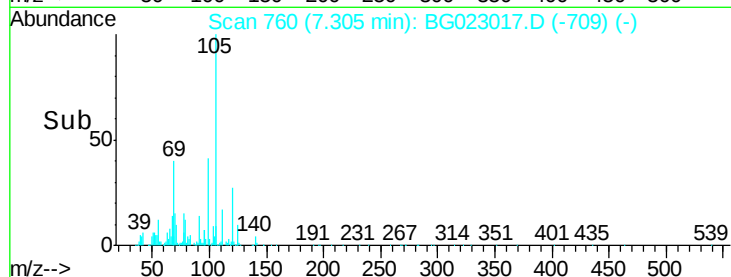
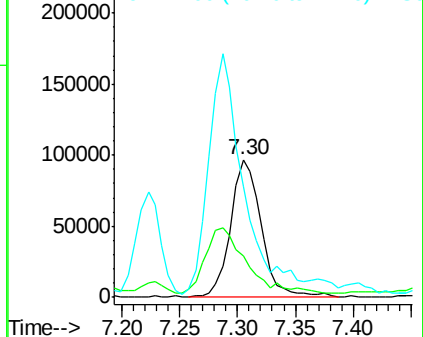
71 79.9 41.5 62.3#



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



#9

Benzaldehyde

Concen: 32.21 ng

RT: 7.29 min Scan# 757

Delta R.T. 0.00 min

Lab File: BG023017.D

Acq: 12 Jul 2016 1:58

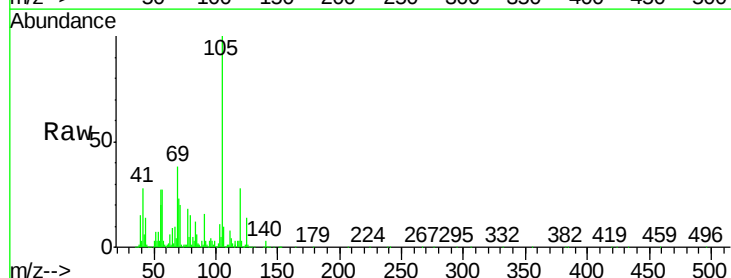
Tgt Ion: 77 Resp: 243135

Ion Ratio Lower Upper

77 100

105 567.5 58.7 98.7#

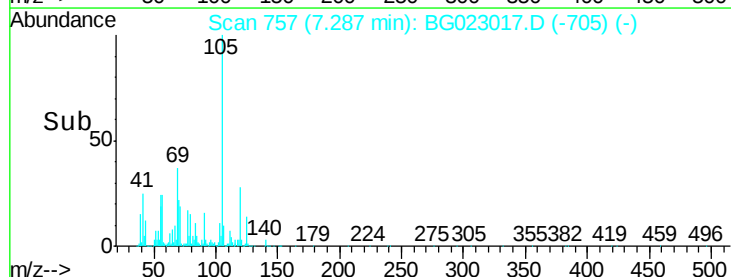
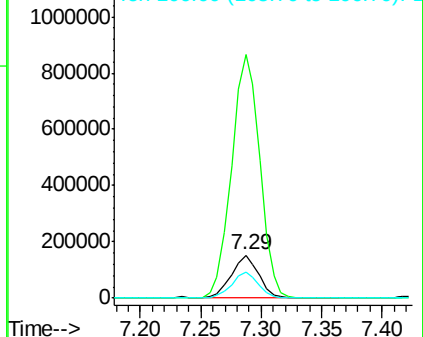
106 59.3 67.5 107.5#

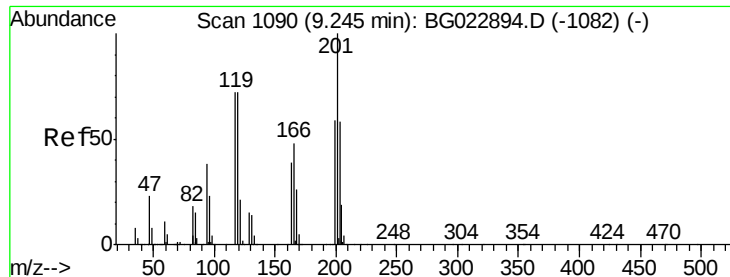


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC





#18

Hexachloroethane

Concen: 35.59 ng

RT: 9.27 min Scan# 1094

Delta R.T. 0.02 min

Lab File: BG023017.D

Acq: 12 Jul 2016 1:58

Instrument :

BNA_G

ClientSampled :

S22-0009

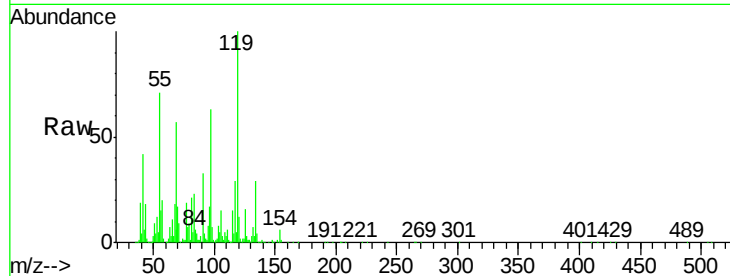
Tgt Ion:117 Resp: 141297

Ion Ratio Lower Upper

117 100

119 350.7 73.7 110.5#

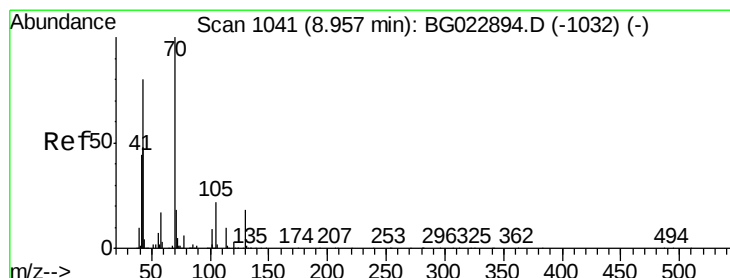
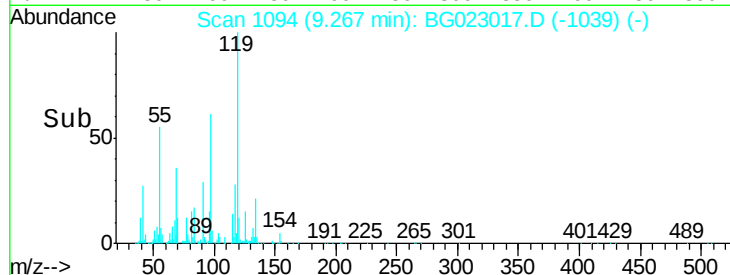
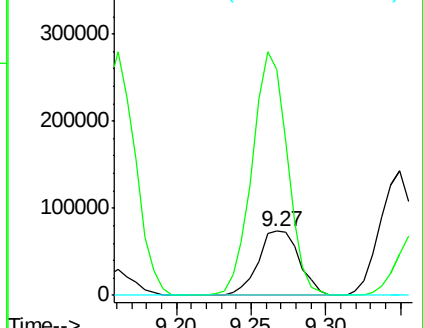
201 0.0 88.7 133.1#



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: 4.85 ng

RT: 8.91 min Scan# 1033

Delta R.T. -0.05 min

Lab File: BG023017.D

Acq: 12 Jul 2016 1:58

Tgt Ion: 70 Resp: 49427

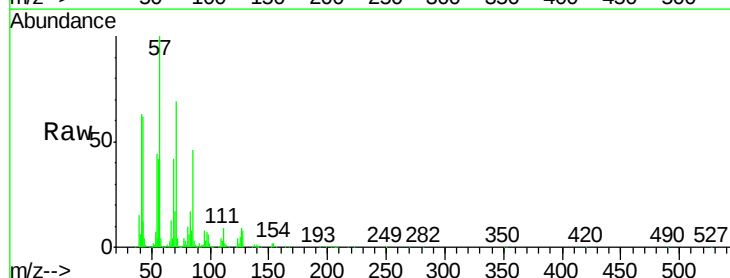
Ion Ratio Lower Upper

70 100

42 70.3 42.1 63.1#

101 1.6 7.2 10.8#

130 0.0 14.2 21.2#

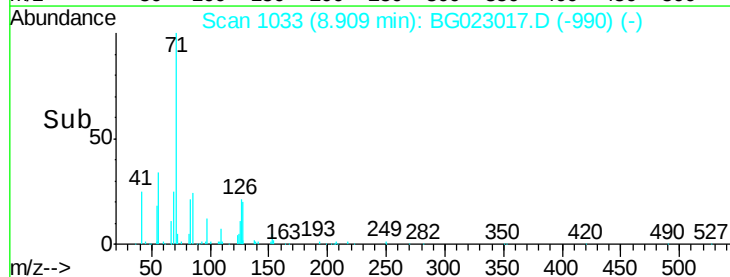
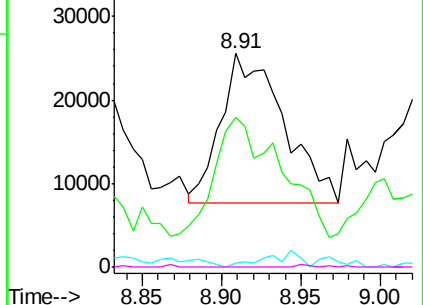


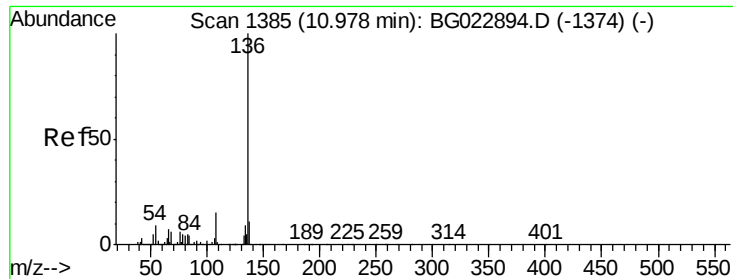
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

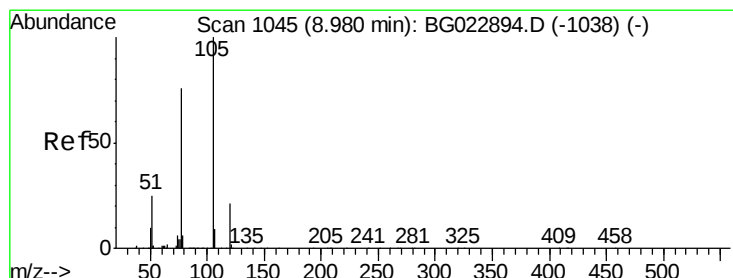
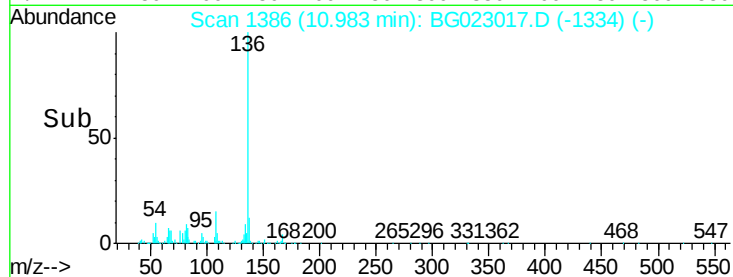
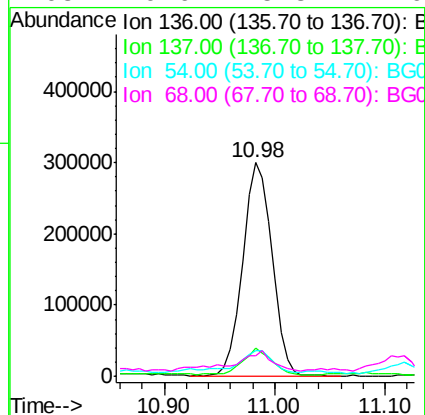
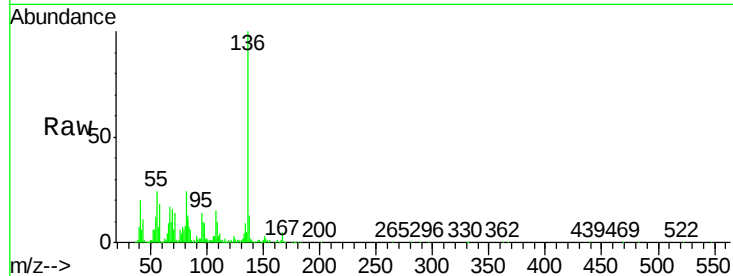




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.98 min Scan# 1386
Delta R.T. 0.00 min
Lab File: BG023017.D
Acq: 12 Jul 2016 1:58

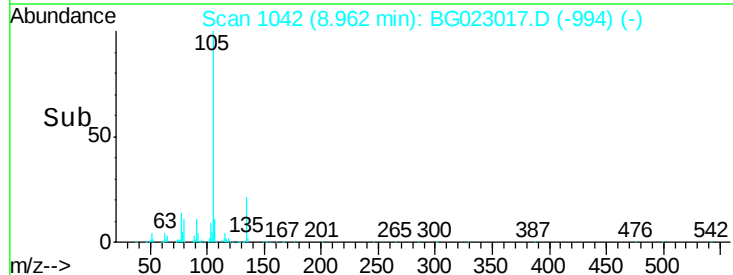
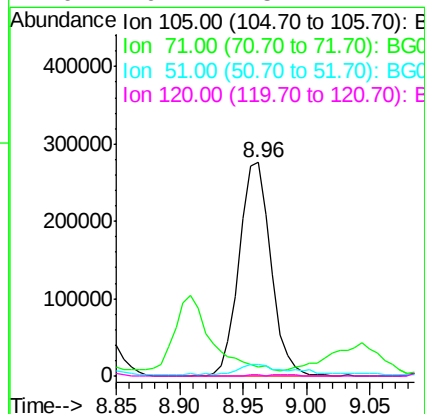
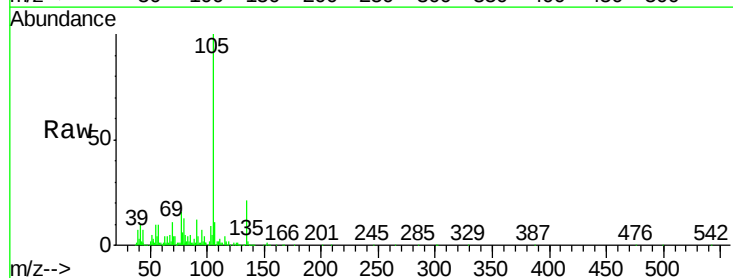
Instrument :
BNA_G
ClientSampleId :
S22-0009

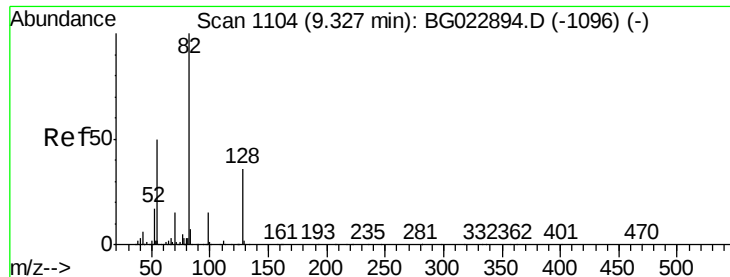
Tgt Ion:	136	Resp:	560647
Ion Ratio	Lower	Upper	
136	100		
137	13.0	9.6	14.4
54	11.9	7.3	10.9#
68	9.6	5.3	7.9#



#22
Acetophenone
Concen: 28.47 ng
RT: 8.96 min Scan# 1042
Delta R.T. -0.02 min
Lab File: BG023017.D
Acq: 12 Jul 2016 1:58

Tgt Ion:	105	Resp:	479041
Ion Ratio	Lower	Upper	
105	100		
71	4.3	2.6	3.8#
51	5.2	27.1	40.7#
120	0.4	15.1	22.7#

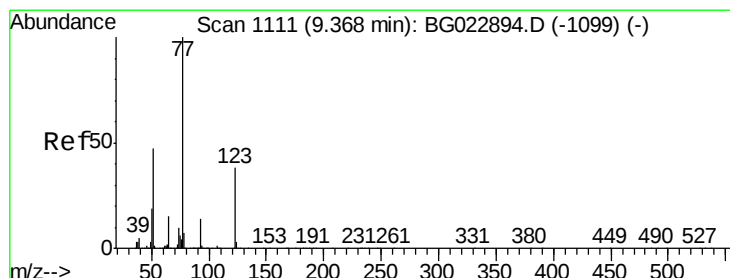
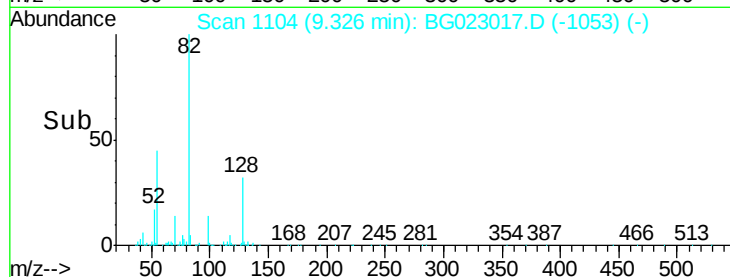
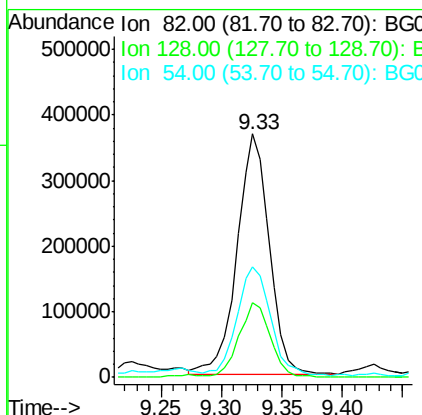
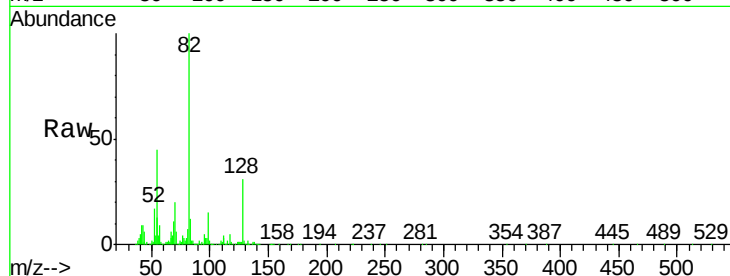




#23
 Nitrobenzene-d5
 Concen: 51.94 ng
 RT: 9.33 min Scan# 1104
 Delta R.T. -0.00 min
 Lab File: BG023017.D
 Acq: 12 Jul 2016 1:58

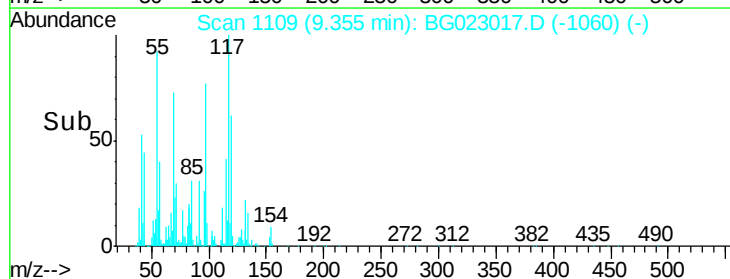
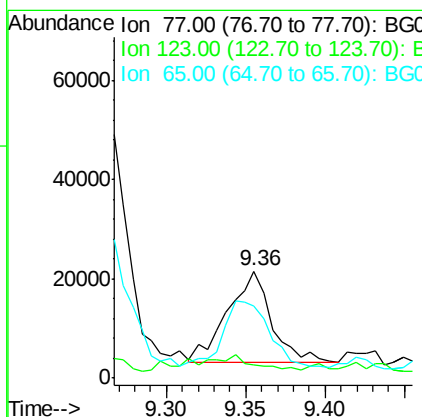
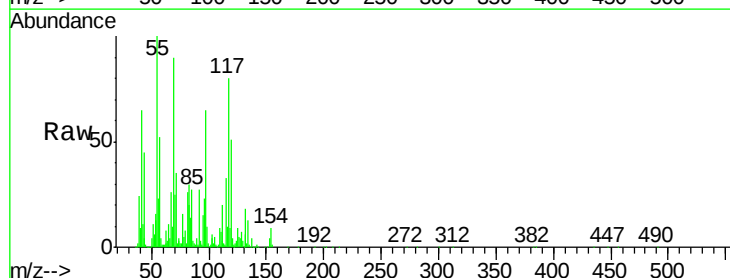
Instrument :
 BNA_G
 ClientSampleId :
 S22-0009

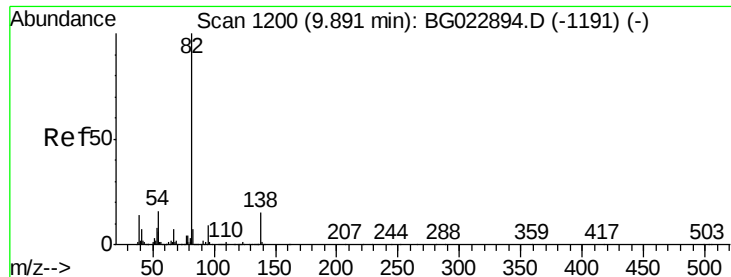
Tgt Ion	Ratio	Lower	Upper
82	100		
128	30.8	24.4	36.6
54	45.3	41.4	62.0



#24
 Nitrobenzene
 Concen: 2.49 ng
 RT: 9.36 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: BG023017.D
 Acq: 12 Jul 2016 1:58

Tgt Ion	Ratio	Lower	Upper
77	100		
123	11.8	25.0	37.6#
65	67.4	13.4	20.0#





#25

Isophorone

Concen: 3.79 ng

RT: 9.89 min Scan# 1200

Delta R.T. -0.00 min

Lab File: BG023017.D

Acq: 12 Jul 2016 1:58

Instrument :

BNA_G

ClientSampleId :

S22-0009

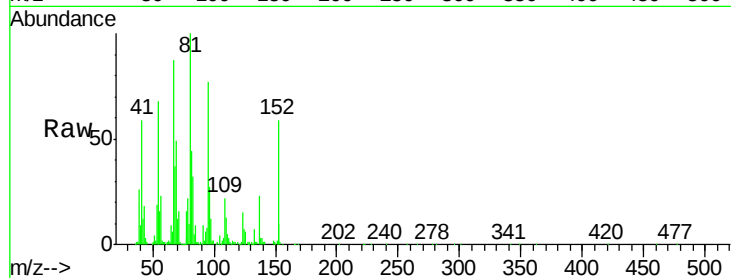
Tgt Ion: 82 Resp: 99807

Ion Ratio Lower Upper

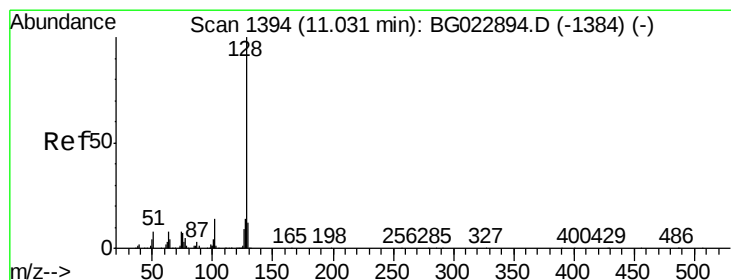
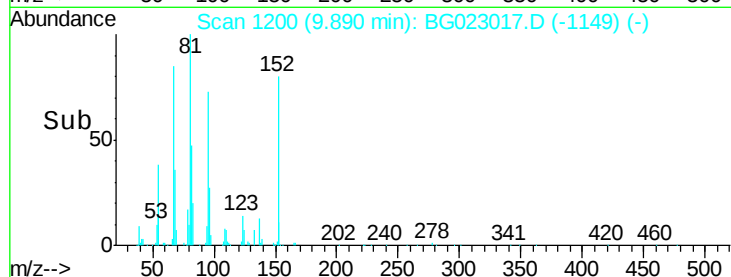
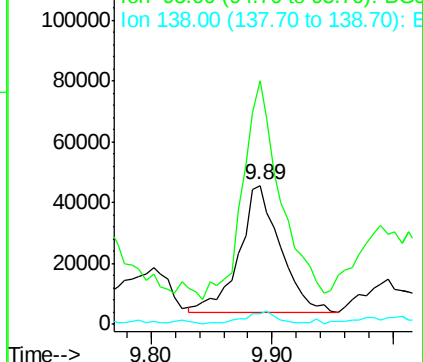
82 100

95 175.0 8.2 12.2#

138 7.7 10.7 16.1#



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



#31

Naphthalene

Concen: 52.81 ng

RT: 11.04 min Scan# 1395

Delta R.T. 0.00 min

Lab File: BG023017.D

Acq: 12 Jul 2016 1:58

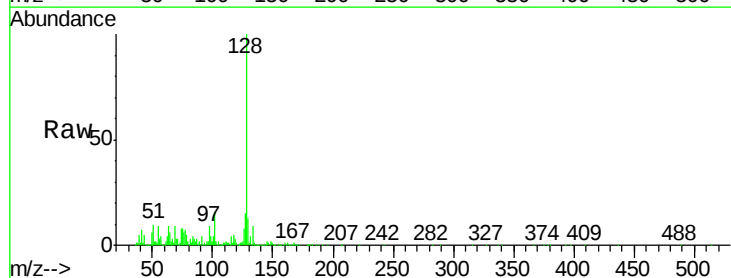
Tgt Ion: 128 Resp: 1507166

Ion Ratio Lower Upper

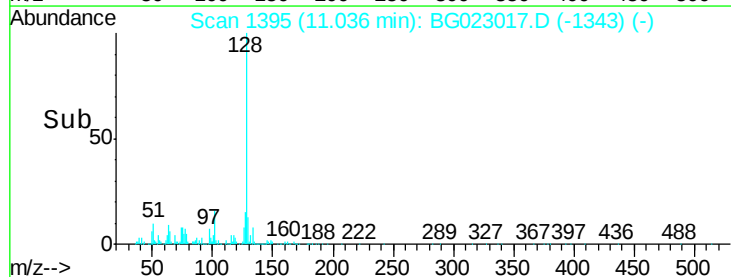
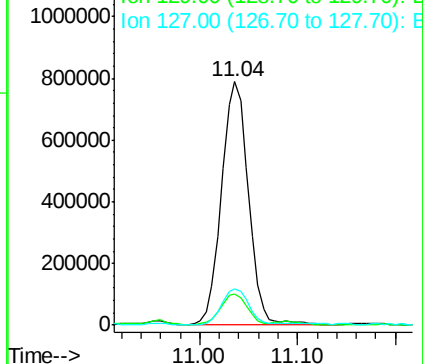
128 100

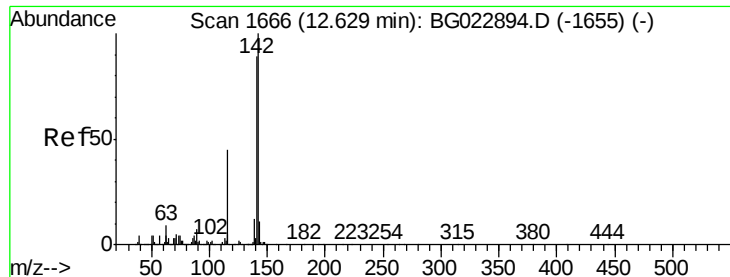
129 12.6 9.4 14.0

127 14.8 11.3 16.9



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC

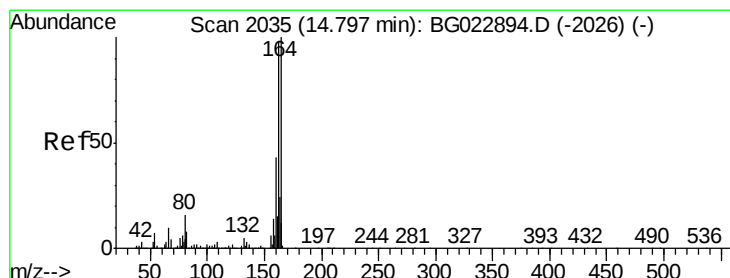
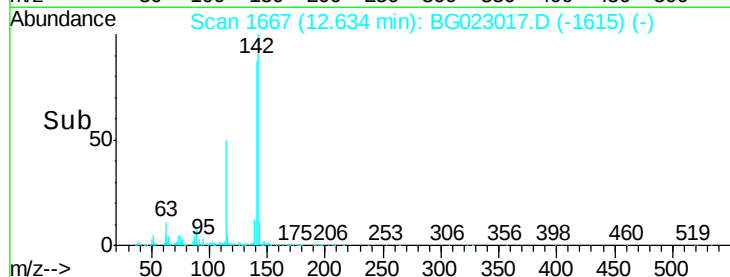
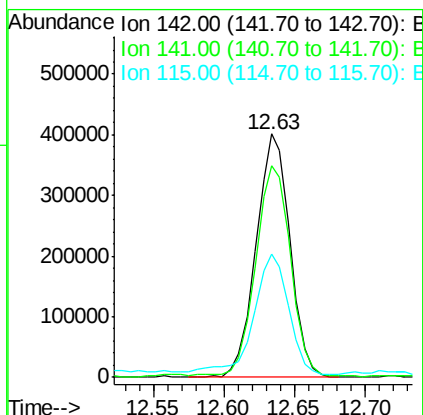
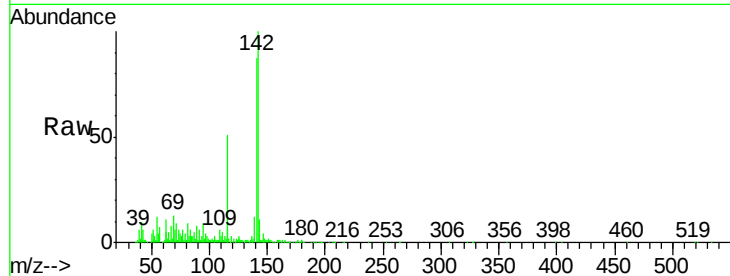




#37
 2-Methylnaphthalene
 Concen: 29.78 ng
 RT: 12.63 min Scan# 1667
 Delta R.T. 0.00 min
 Lab File: BG023017.D
 Acq: 12 Jul 2016 1:58

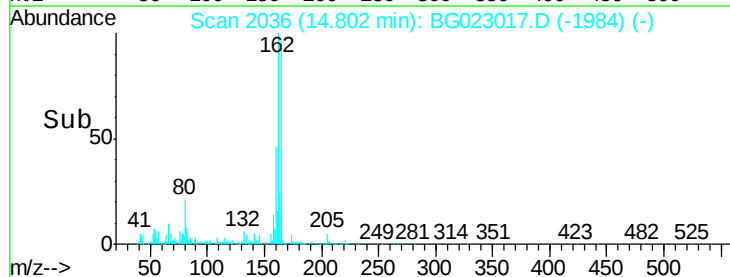
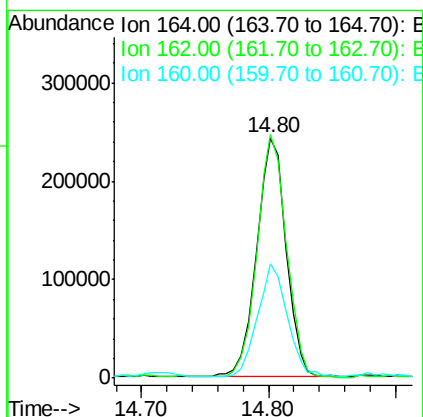
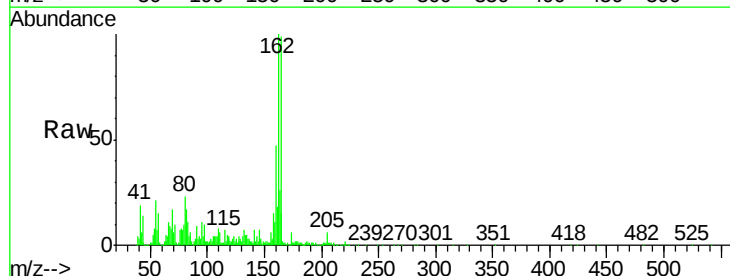
Instrument :
 BNA_G
 ClientSampleId :
 S22-0009

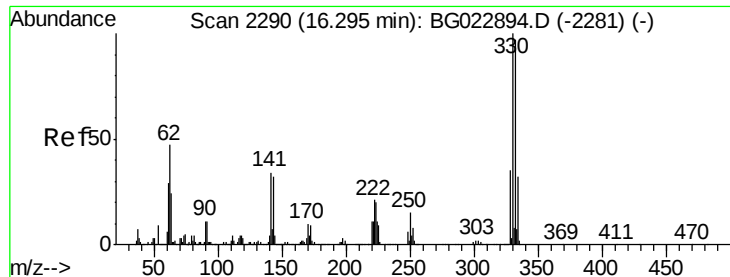
Tgt Ion:142 Resp: 671694
 Ion Ratio Lower Upper
 142 100
 141 86.9 70.2 105.2
 115 50.6 41.7 62.5



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.80 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: BG023017.D
 Acq: 12 Jul 2016 1:58

Tgt Ion:164 Resp: 394213
 Ion Ratio Lower Upper
 164 100
 162 101.3 87.7 131.5
 160 47.5 37.2 55.8





#41

2,4,6-Tribromophenol

Concen: 39.78 ng

RT: 16.29 min Scan# 2290

Delta R.T. -0.00 min

Lab File: BG023017.D

Acq: 12 Jul 2016 1:58

Instrument :

BNA_G

ClientSampleId :

S22-0009

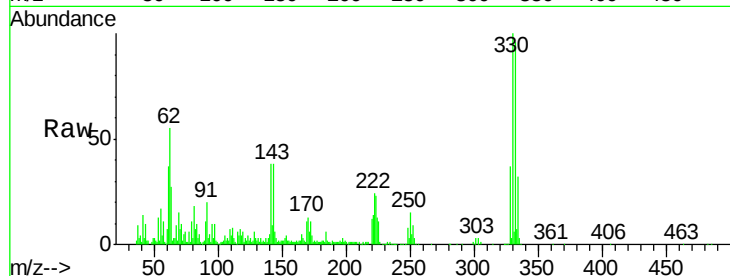
Tgt Ion:330 Resp: 281843

Ion Ratio Lower Upper

330 100

332 94.8 77.4 116.2

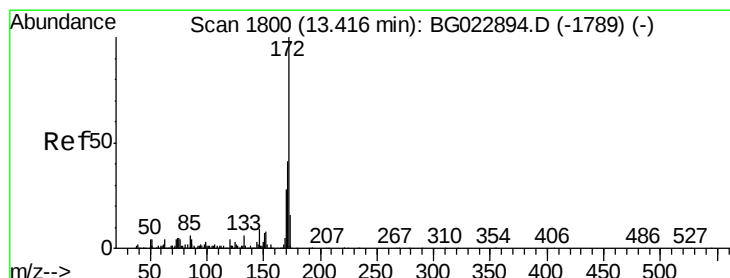
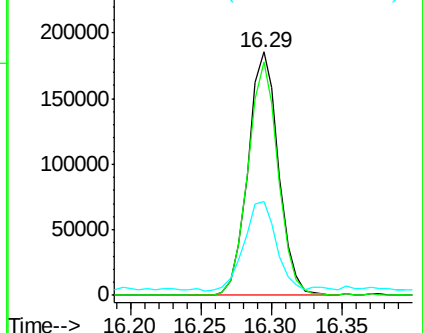
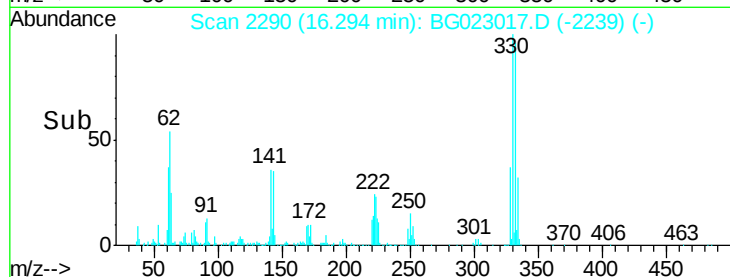
141 38.7 31.7 47.5



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 54.46 ng

RT: 13.42 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BG023017.D

Acq: 12 Jul 2016 1:58

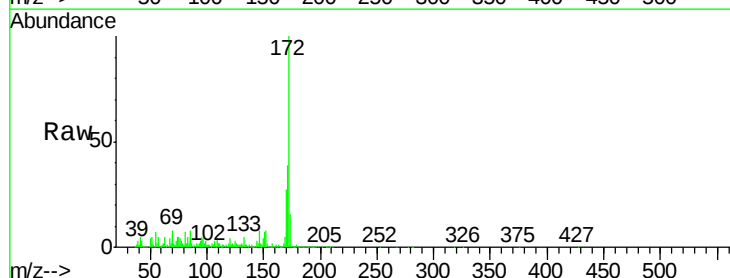
Tgt Ion:172 Resp: 1363061

Ion Ratio Lower Upper

172 100

171 39.1 31.6 47.4

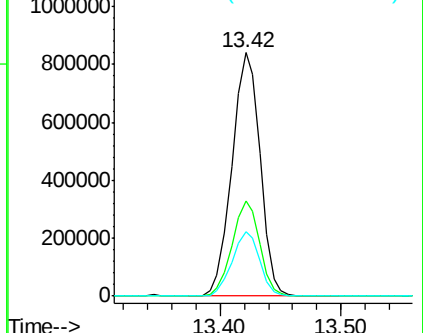
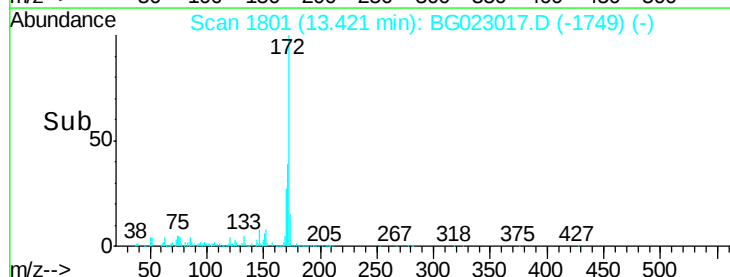
170 26.6 21.3 31.9

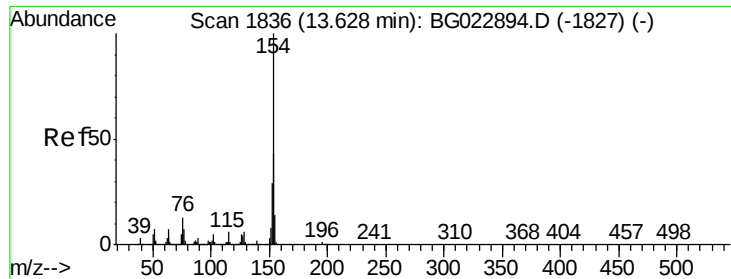


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 3.23 ng

RT: 13.63 min Scan# 1837

Delta R.T. 0.00 min

Lab File: BG023017.D

Acq: 12 Jul 2016 1:58

Instrument :

BNA_G

ClientSampleId :

S22-0009

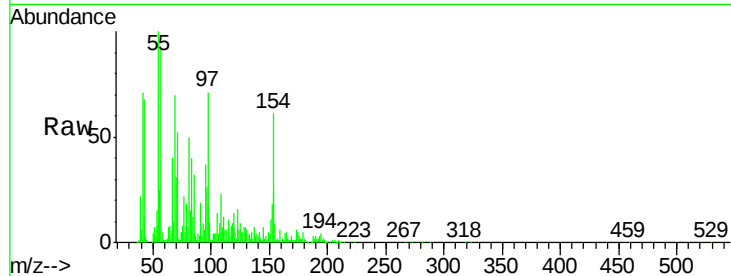
Tgt Ion:154 Resp: 95666

Ion Ratio Lower Upper

154 100

153 38.5 20.2 60.2

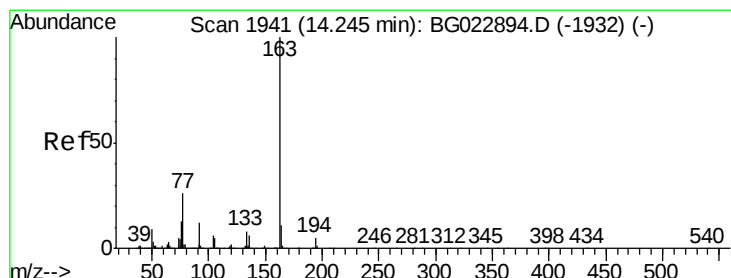
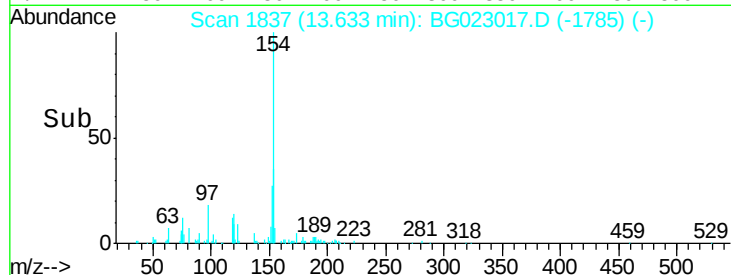
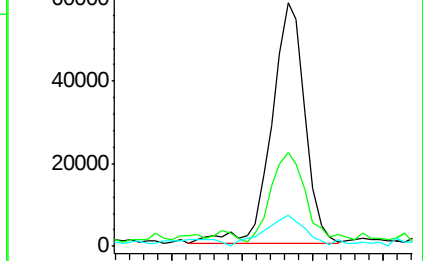
76 12.6 0.0 32.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#49

Dimethylphthalate

Concen: 11.34 ng

RT: 14.24 min Scan# 1941

Delta R.T. -0.00 min

Lab File: BG023017.D

Acq: 12 Jul 2016 1:58

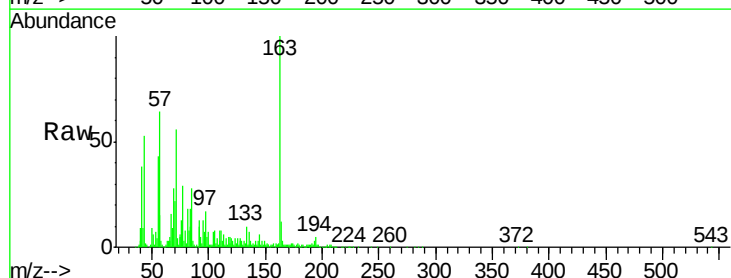
Tgt Ion:163 Resp: 365195

Ion Ratio Lower Upper

163 100

194 5.1 3.6 5.4

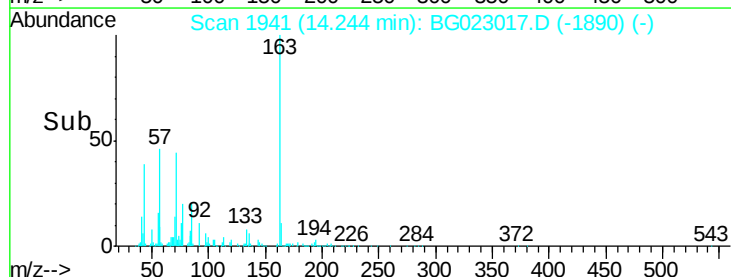
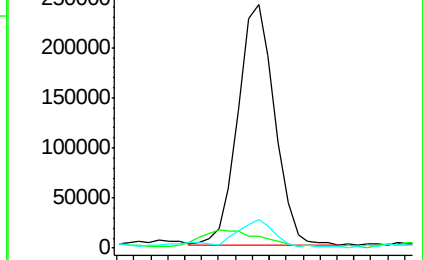
164 11.7 8.1 12.1

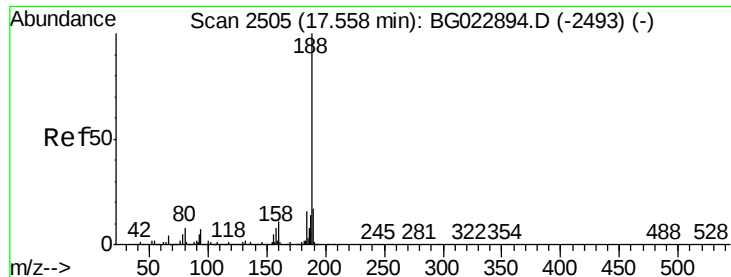


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.56 min Scan# 2505

Delta R.T. -0.00 min

Lab File: BG023017.D

Acq: 12 Jul 2016 1:58

Instrument :

BNA_G

ClientSampleId :

S22-0009

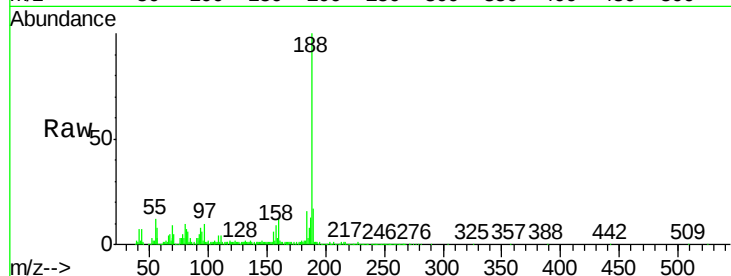
Tgt Ion:188 Resp: 851324

Ion Ratio Lower Upper

188 100

94 8.0 5.2 7.8#

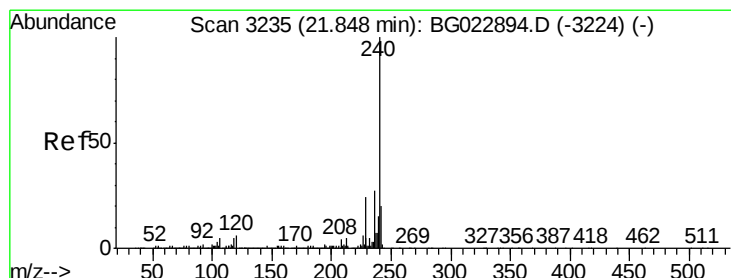
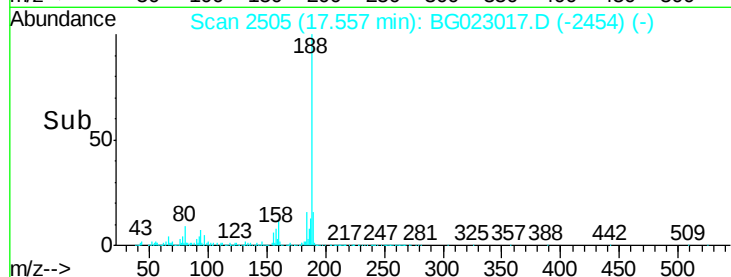
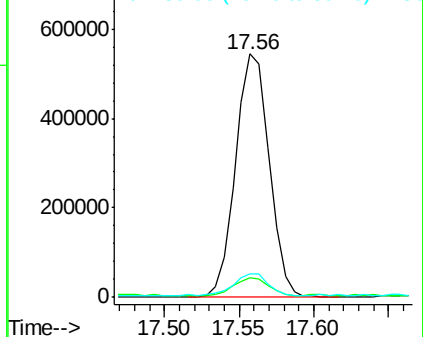
80 9.9 7.2 10.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.87 min Scan# 3239

Delta R.T. 0.02 min

Lab File: BG023017.D

Acq: 12 Jul 2016 1:58

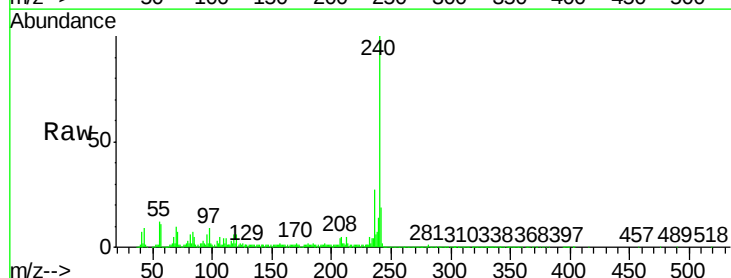
Tgt Ion:240 Resp: 940086

Ion Ratio Lower Upper

240 100

120 6.3 4.1 6.1#

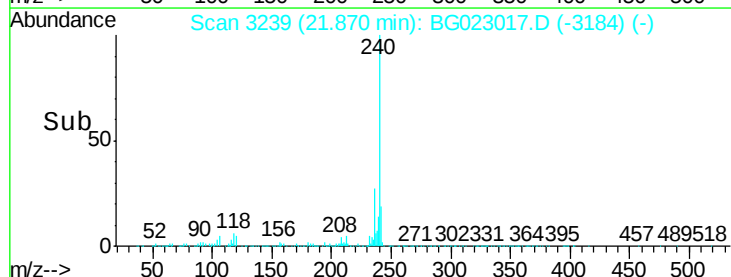
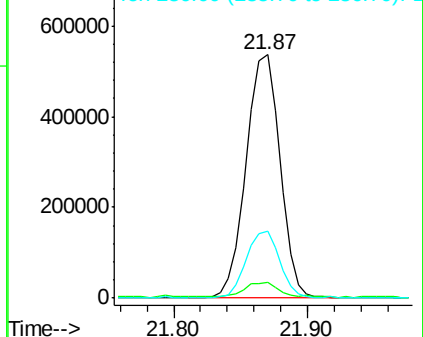
236 27.3 21.1 31.7

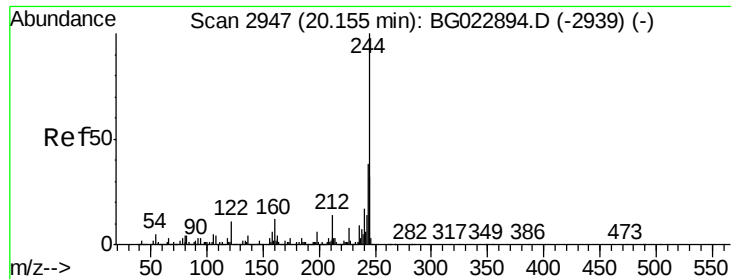


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 46.09 ng

RT: 20.16 min Scan# 2948

Delta R.T. 0.01 min

Lab File: BG023017.D

Acq: 12 Jul 2016 1:58

Instrument :

BNA_G

ClientSampleId :

S22-0009

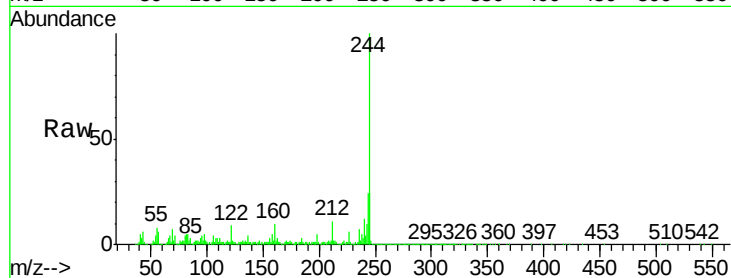
Tgt Ion:244 Resp: 1646104

Ion Ratio Lower Upper

244 100

212 10.8 10.8 16.2

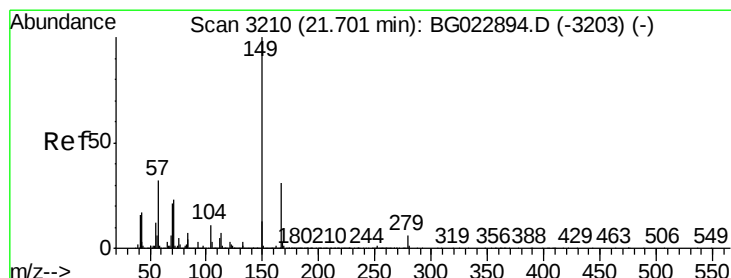
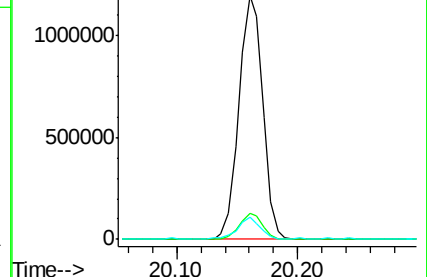
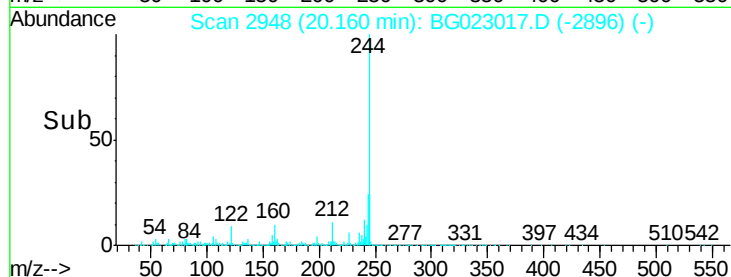
122 8.9 8.0 12.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.34 ng

RT: 21.72 min Scan# 3214

Delta R.T. 0.02 min

Lab File: BG023017.D

Acq: 12 Jul 2016 1:58

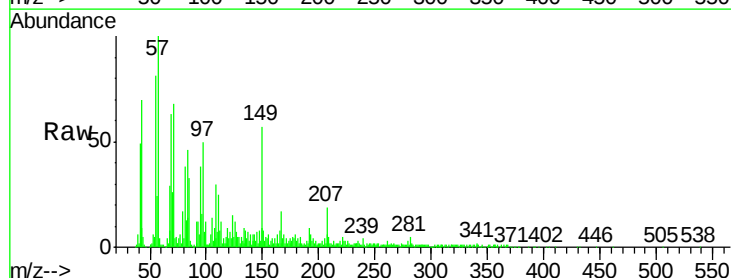
Tgt Ion:149 Resp: 68074

Ion Ratio Lower Upper

149 100

167 30.0 24.0 36.0

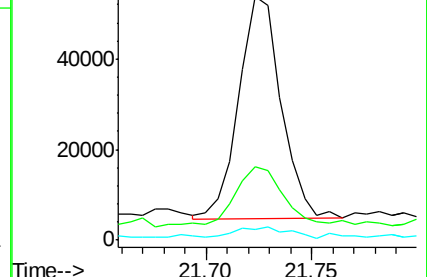
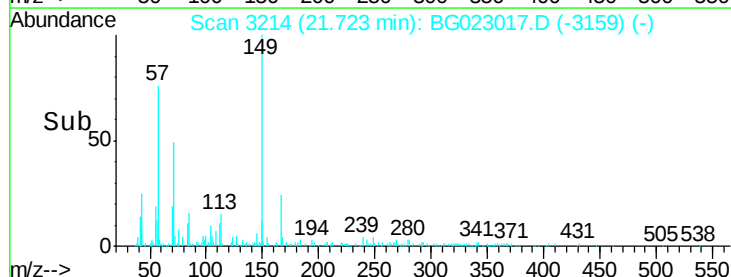
279 4.4 4.8 7.2#

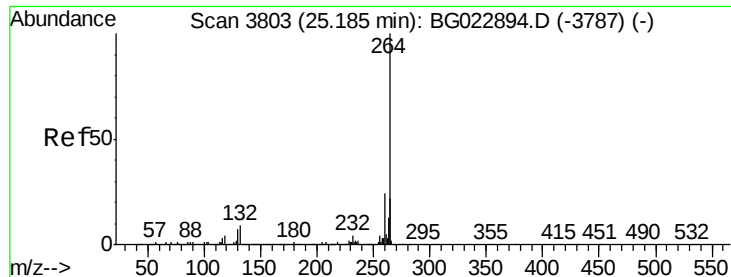


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 25.25 min Scan# 3815

Delta R.T. 0.07 min

Lab File: BG023017.D

Acq: 12 Jul 2016 1:58

Instrument :

BNA_G

ClientSampleId :

S22-0009

Tgt Ion: 264 Resp: 972102

Ion Ratio Lower Upper

264 100

260 25.7 18.4 27.6

265 21.3 18.9 28.3

