

Data Path : U:\HPCHEM1\BNA G\DATA\BG011618\
 Data File : BG032092.D
 Acq On : 17 Jan 2018 5:27
 Operator : SJ/JU
 Sample : J1131-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 17 08:14:57 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 15 10:05:15 2018
 Response via : Initial Calibration

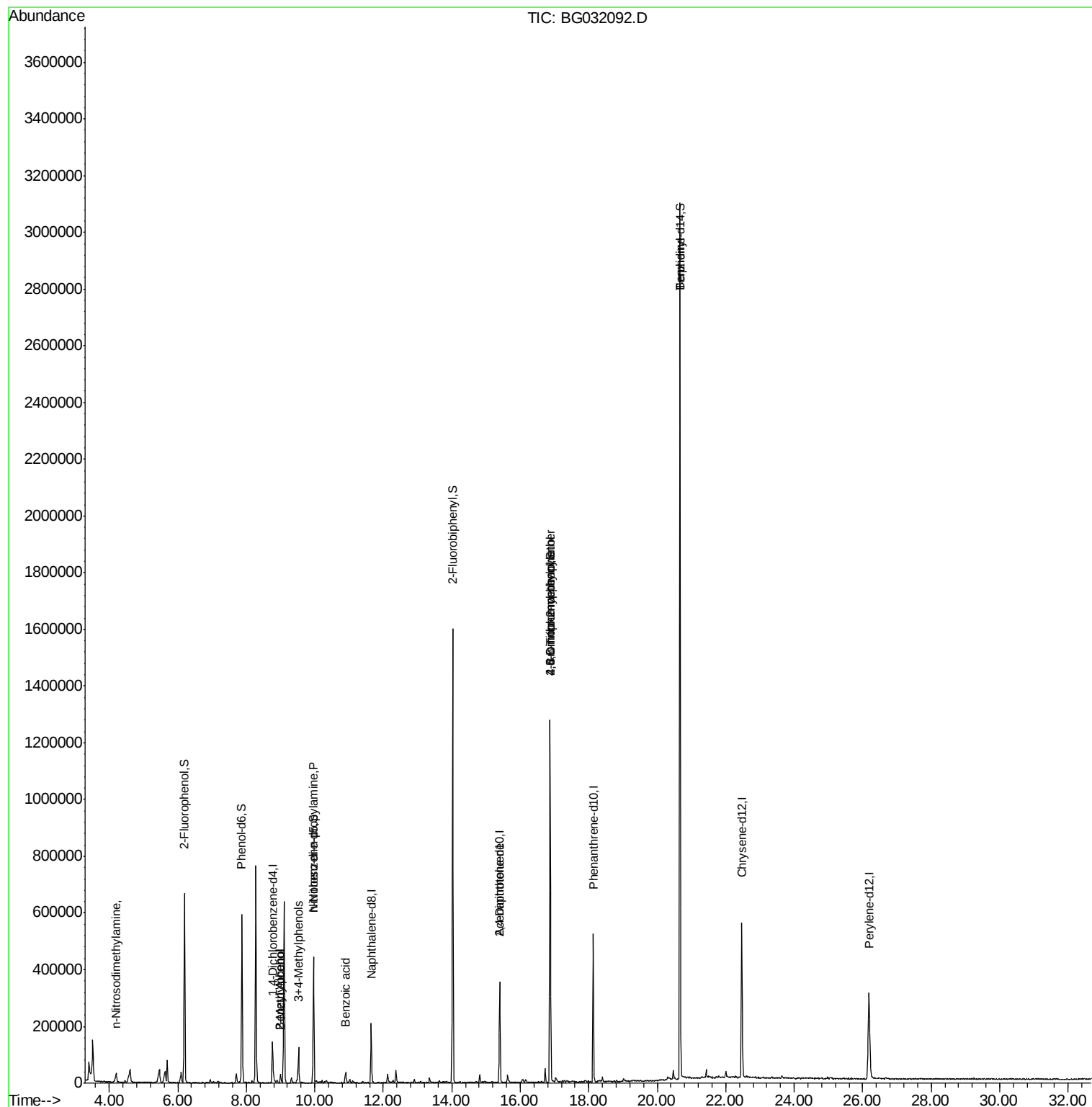
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.77	152	49623	20.00	ng	0.00
21) Naphthalene-d8	11.65	136	199253	20.00	ng	-0.01
38) Acenaphthene-d10	15.40	164	137356	20.00	ng	0.00
63) Phenanthrene-d10	18.13	188	356227	20.00	ng	-0.01
75) Chrysene-d12	22.47	240	433398	20.00	ng	-0.02
86) Perylene-d12	26.18	264	437760	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.20	112	342814	126.35	ng	0.00
7) Phenol-d6	7.88	99	394336	115.40	ng	0.00
23) Nitrobenzene-d5	9.96	82	279155	94.78	ng	-0.01
41) 2,4,6-Tribromophenol	16.87	330	290224	127.69	ng	0.00
44) 2-Fluorobiphenyl	14.03	172	962598	86.90	ng	0.00
78) Terphenyl-d14	20.66	244	1693757	86.29	ng	-0.01
Target Compounds						
4) n-Nitrosodimethylamine	4.19	42	5233	5.354	ng	# 5
15) Benzyl Alcohol	8.99	79	11760	4.737	ng	# 89
17) 2-Methylphenol	9.01	107	6575	2.556	ng	# 38
19) n-Nitroso-di-n-propylamine	9.96	70	39311	18.541	ng	# 76
20) 3+4-Methylphenols	9.53	107	63585	17.842	ng	# 94
32) Benzoic acid	10.91	122	159	5.320	ng	# 23
56) 2,4-Dinitrotoluene	15.40	165	17768	5.290	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.87	198	701	5.161	ng	# 1
66) 4-Bromophenyl-phenylether	16.87	248	23956	4.726	ng	# 1
76) Benzidine	20.66	184	23405	2.160	ng	# 87

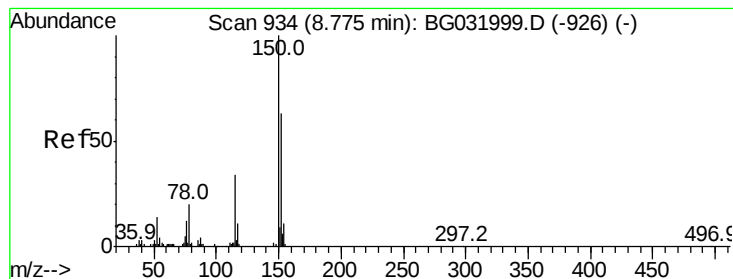
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.77 min Scan# 933

Delta R.T. -0.00 min

Lab File: BG032092.D

Acq: 17 Jan 2018 5:27

Instrument :

BNA_G

ClientSampleId :

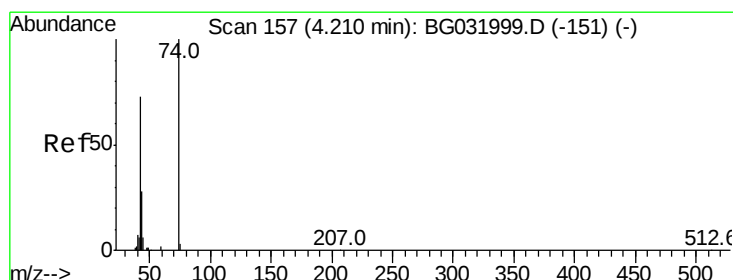
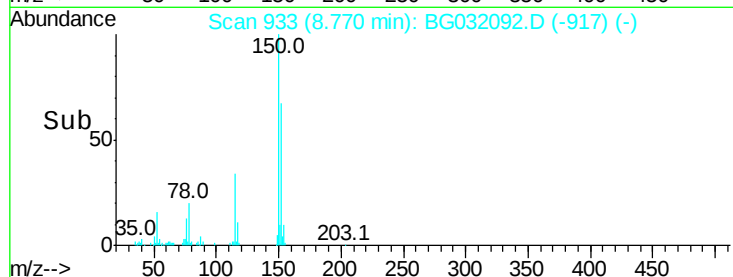
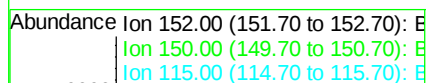
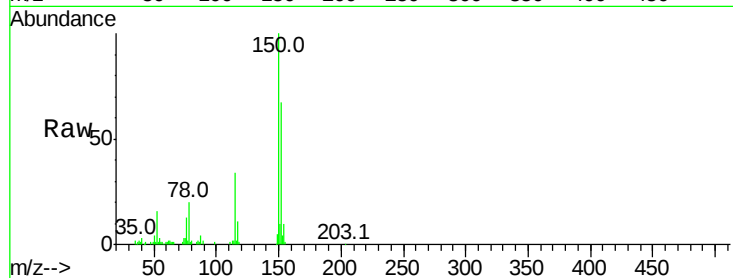
Tot Ion:152 Resp: 49623

Ion Ratio Lower Upper

152 100

150 149.1 126.6 189.8

115 50.0 53.0 79.4#



#4

n-Nitrosodimethylamine

Concen: 5.354 ng

RT: 4.19 min Scan# 154

Delta R.T. -0.02 min

Lab File: BG032092.D

Acq: 17 Jan 2018 5:27

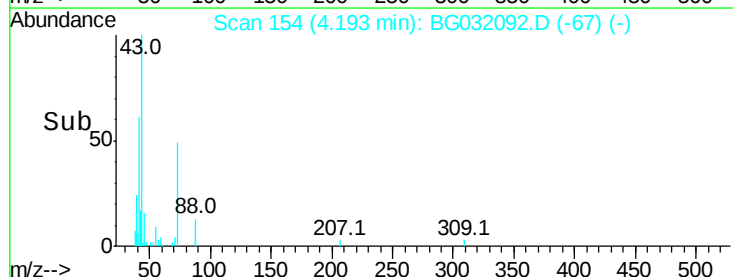
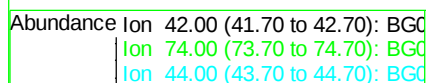
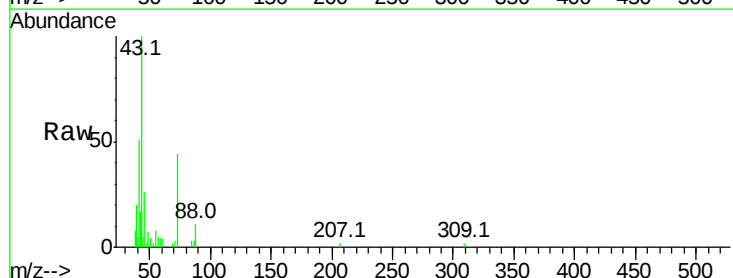
Tgt Ion: 42 Resp: 5233

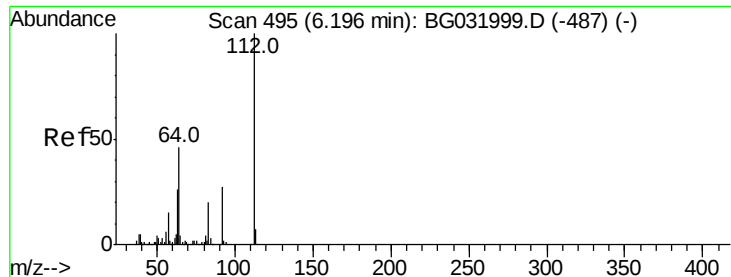
Ion Ratio Lower Upper

42 100

74 0.0 102.5 153.7#

44 27.2 18.9 28.3





#5

2-Fluorophenol

Concen: 126.349 ng

RT: 6.20 min Scan# 495

Delta R.T. 0.00 min

Lab File: BG032092.D

Acq: 17 Jan 2018 5:27

Instrument :

BNA_G

ClientSampleId :

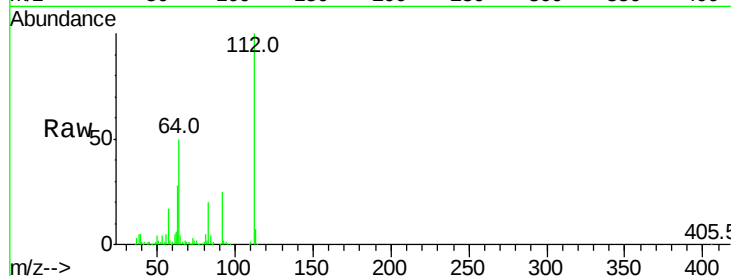
Tot Ion:112 Resp: 342814

Ion Ratio Lower Upper

112 100

64 49.6 56.3 84.5#

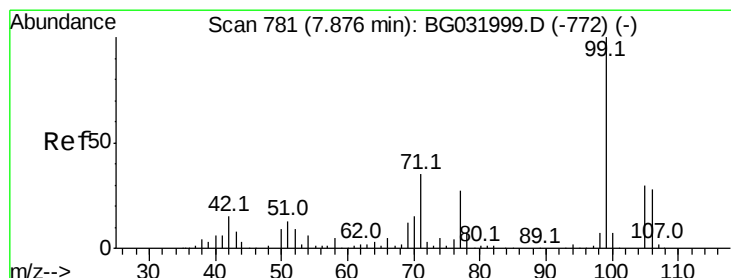
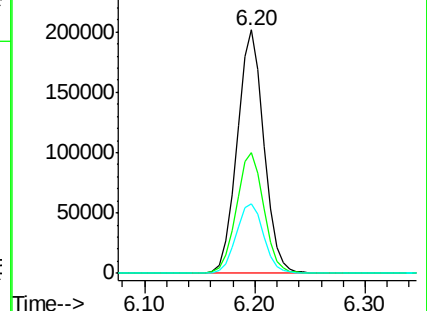
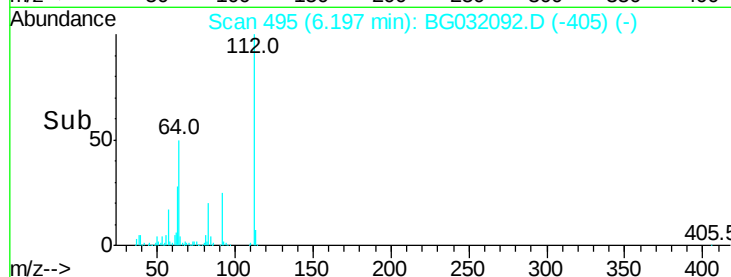
63 28.3 30.1 45.1#



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: 115.400 ng

RT: 7.88 min Scan# 781

Delta R.T. 0.00 min

Lab File: BG032092.D

Acq: 17 Jan 2018 5:27

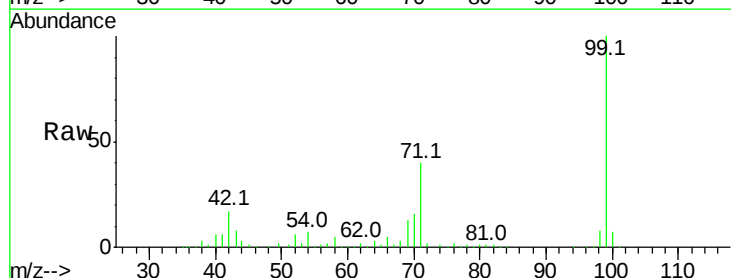
Tgt Ion: 99 Resp: 394336

Ion Ratio Lower Upper

99 100

42 16.8 14.1 21.1

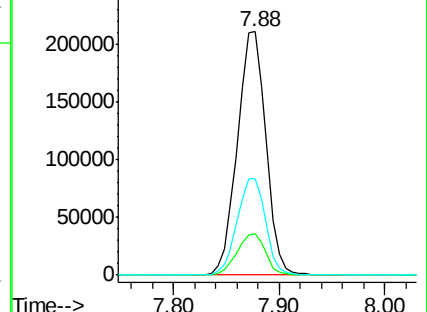
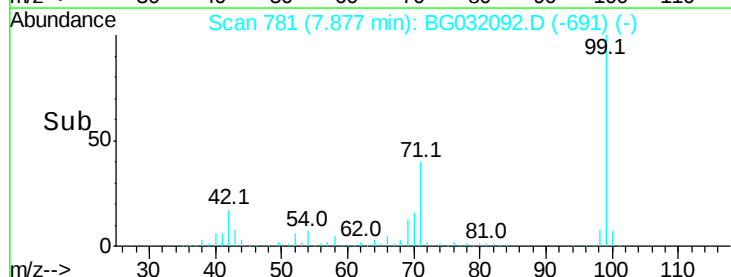
71 39.8 26.1 39.1#

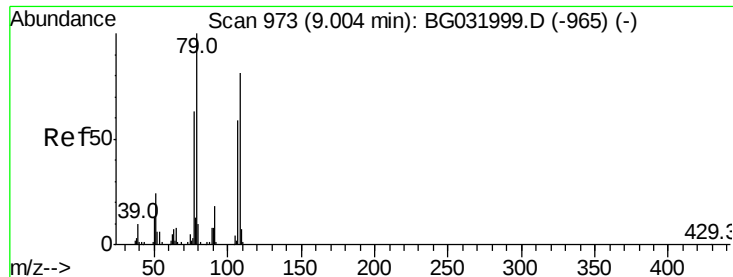


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 4.737 ng

RT: 8.99 min Scan# 971

Delta R.T. -0.01 min

Lab File: BG032092.D

Acq: 17 Jan 2018 5:27

Instrument :

BNA_G

ClientSampleId :

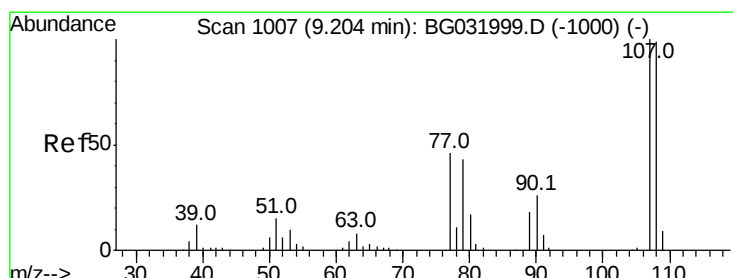
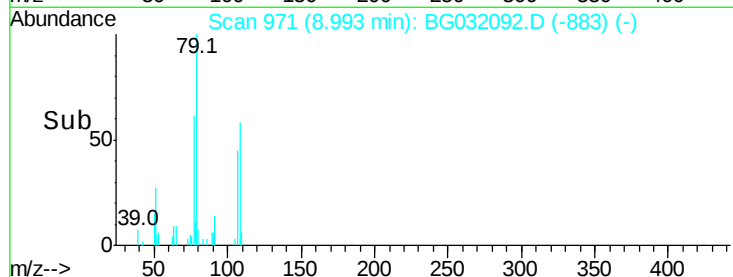
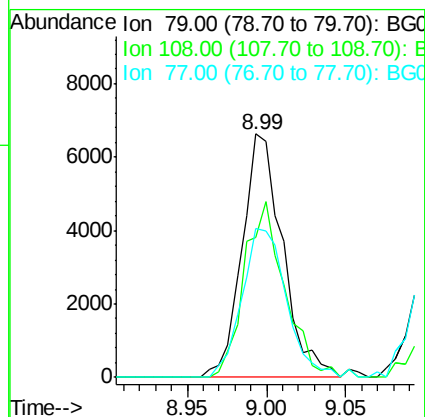
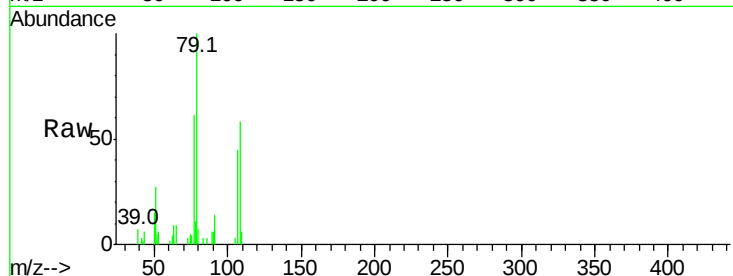
Tot Ion: 79 Resp: 11760

Ion Ratio Lower Upper

79 100

108 57.6 57.2 85.8

77 61.0 46.1 69.1



#17

2-Methylphenol

Concen: 2.556 ng

RT: 9.01 min Scan# 973

Delta R.T. -0.20 min

Lab File: BG032092.D

Acq: 17 Jan 2018 5:27

Tgt Ion: 107 Resp: 6575

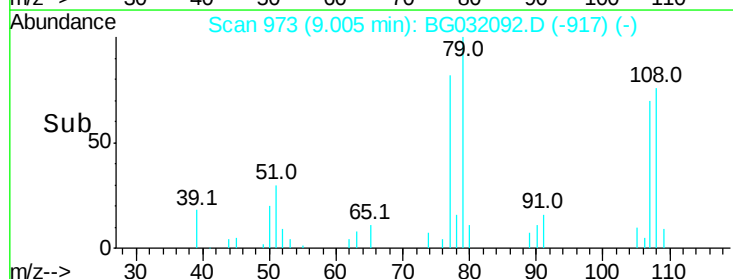
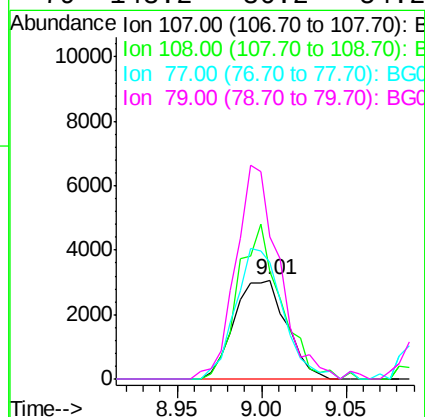
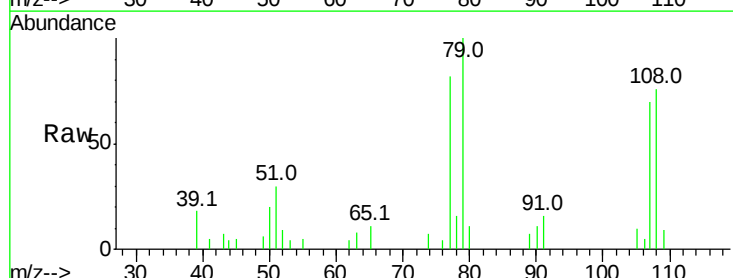
Ion Ratio Lower Upper

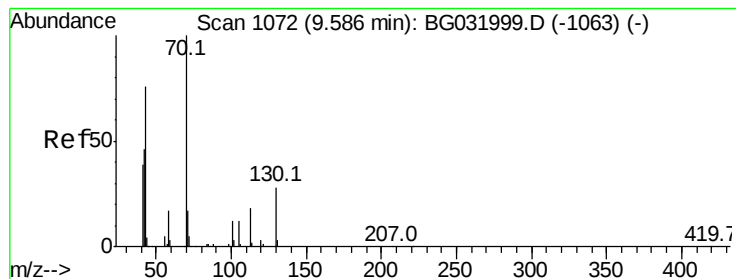
107 100

108 108.6 83.9 125.9

77 117.9 37.2 55.8#

79 143.2 36.2 54.2#





#19

n-Nitroso-di-n-propylamine

Concen: 18.541 ng

RT: 9.96 min Scan# 1136

Delta R.T. 0.38 min

Lab File: BG032092.D

Acq: 17 Jan 2018 5:27

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 39311

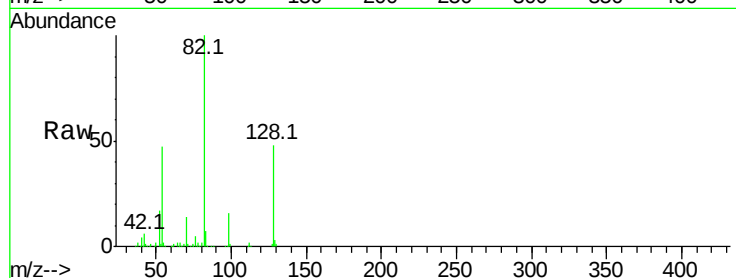
Ion Ratio Lower Upper

70 100

42 44.3 49.1 73.7#

101 0.0 8.5 12.7#

130 3.7 13.4 20.0#

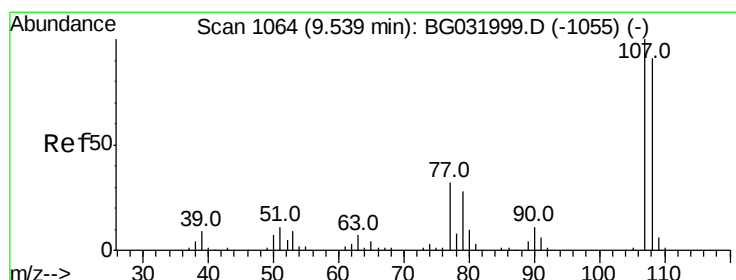
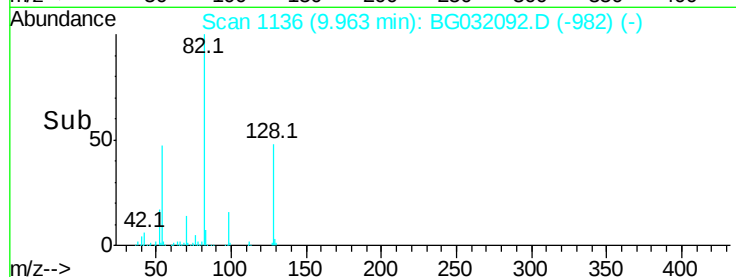
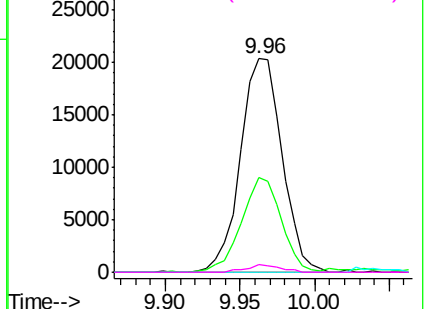


Abundance Ion 70.00 (69.70 to 70.70): BGC

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



#20

3+4-Methylphenols

Concen: 17.842 ng

RT: 9.53 min Scan# 1062

Delta R.T. -0.01 min

Lab File: BG032092.D

Acq: 17 Jan 2018 5:27

Tgt Ion: 107 Resp: 63585

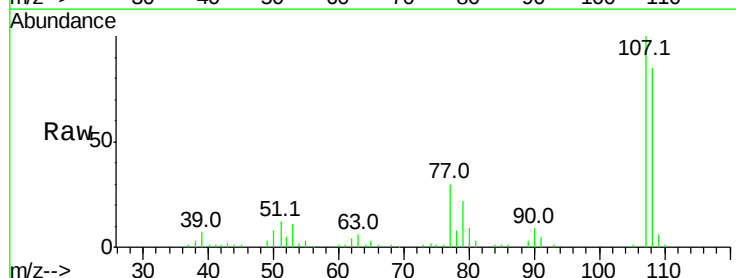
Ion Ratio Lower Upper

107 100

108 85.0 61.6 101.6

77 30.4 13.9 53.9

79 21.8 8.8 48.8

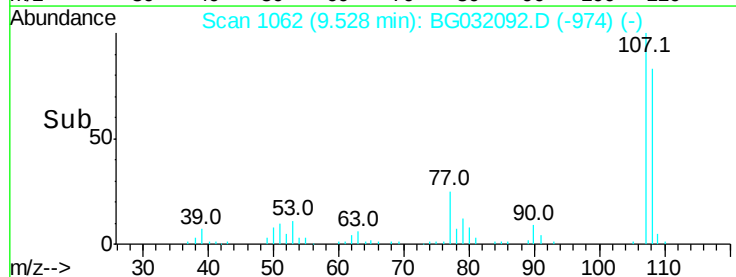
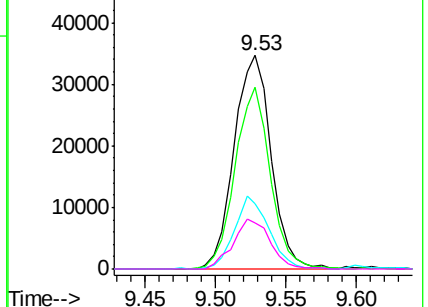


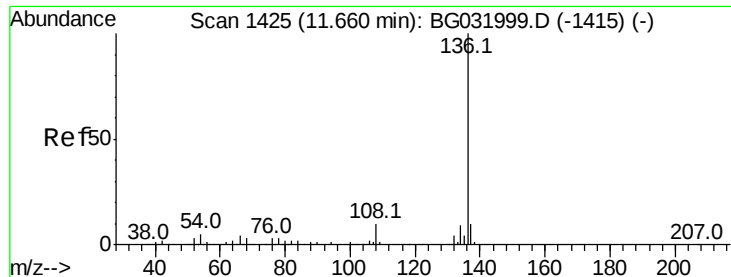
Abundance Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

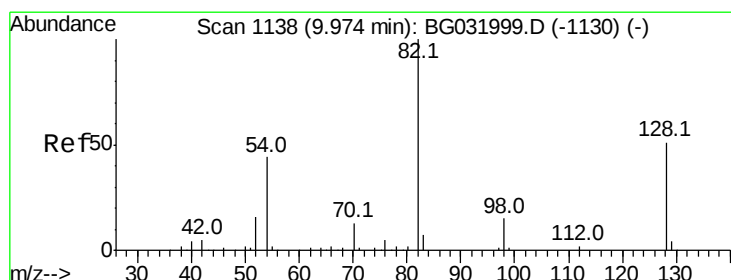
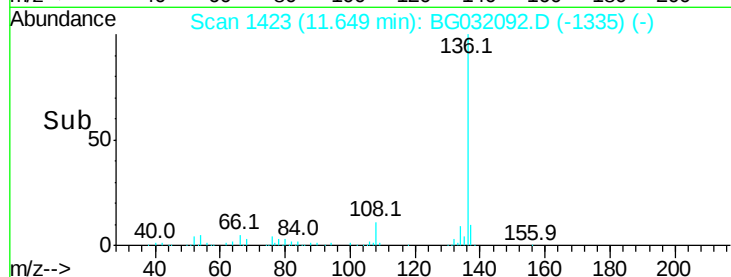
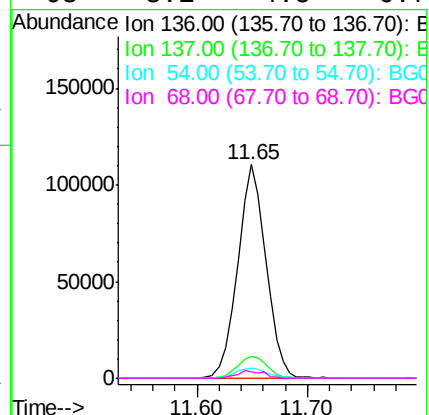
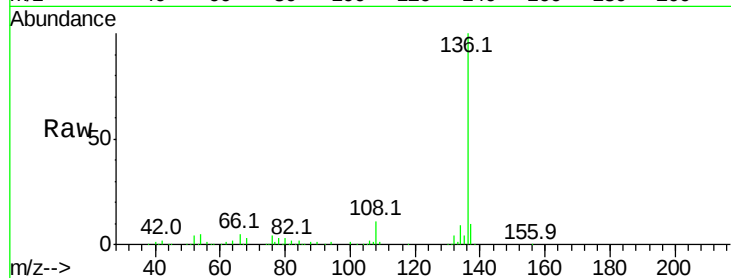




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.65 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BG032092.D
Acq: 17 Jan 2018 5:27

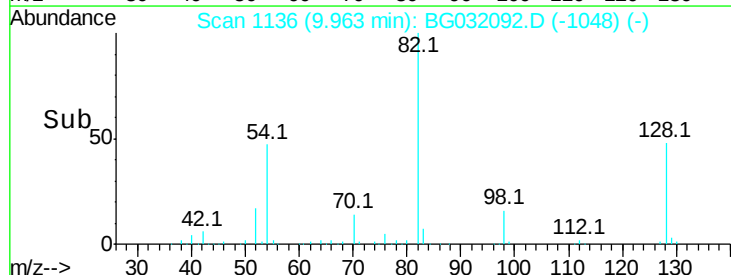
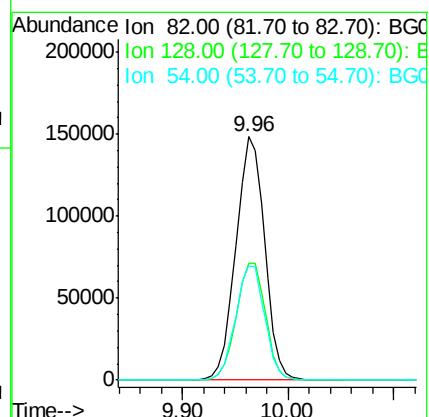
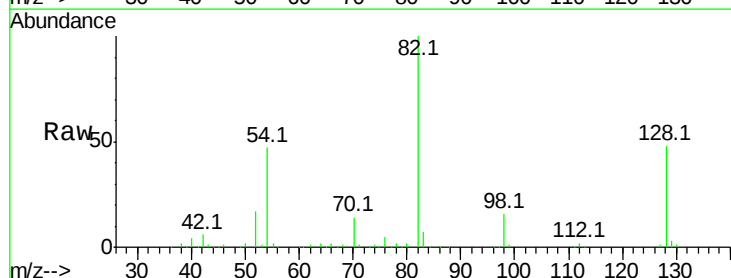
Instrument :
BNA_G
ClientSampleId :

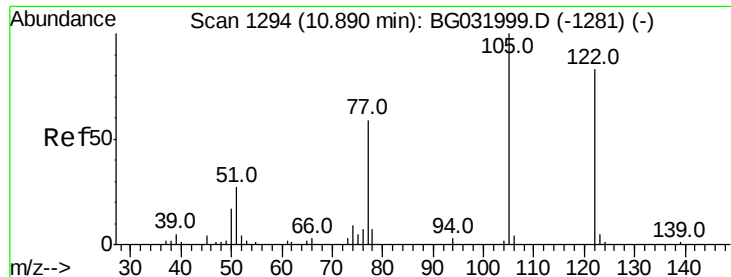
Tot Ion:136	Resp:	199253
Ion Ratio	Lower	Upper
136	100	
137	10.1	9.2 13.8
54	5.0	10.3 15.5#
68	3.1	4.5 6.7#



#23
Nitrobenzene-d5
Concen: 94.784 ng
RT: 9.96 min Scan# 1136
Delta R.T. -0.01 min
Lab File: BG032092.D
Acq: 17 Jan 2018 5:27

Tgt Ion: 82	Resp:	279155
Ion Ratio	Lower	Upper
82	100	
128	48.2	29.7 44.5#
54	46.8	43.1 64.7





#32

Benzoic acid

Concen: 5.320 ng

RT: 10.91 min Scan# 1297

Delta R.T. 0.02 min

Lab File: BG032092.D

Acq: 17 Jan 2018 5:27

Instrument :

BNA_G

ClientSampleId :

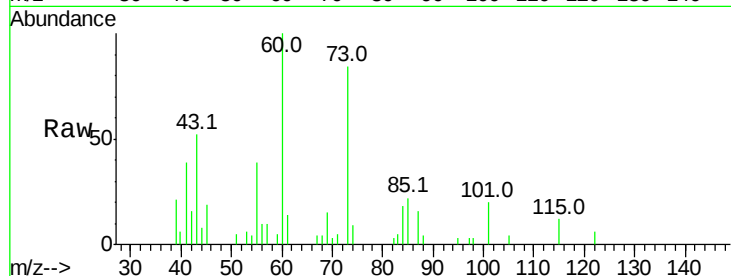
Tot Ion:122 Resp: 159

Ion Ratio Lower Upper

122 100

105 70.8 123.5 163.5#

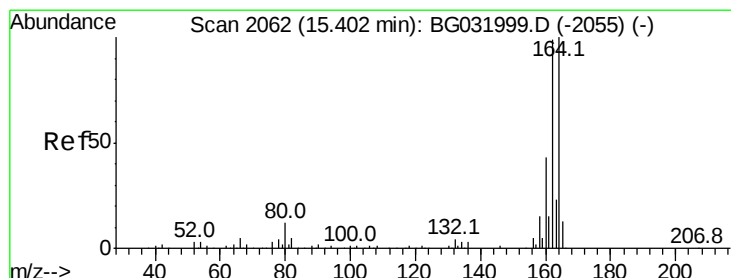
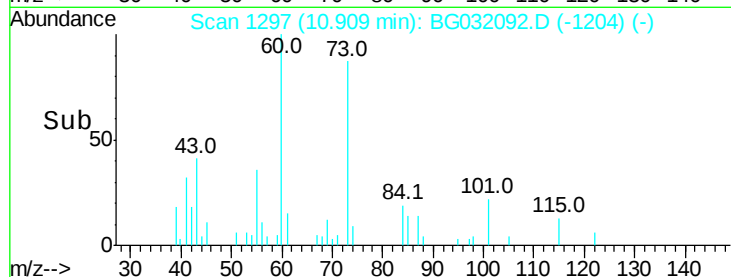
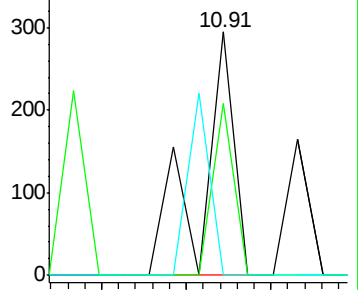
77 0.0 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.40 min Scan# 2061

Delta R.T. -0.00 min

Lab File: BG032092.D

Acq: 17 Jan 2018 5:27

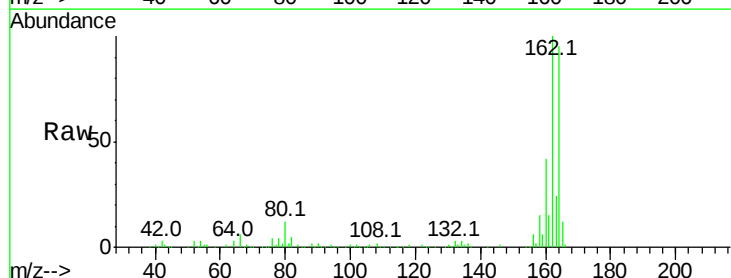
Tgt Ion:164 Resp: 137356

Ion Ratio Lower Upper

164 100

162 105.2 78.8 118.2

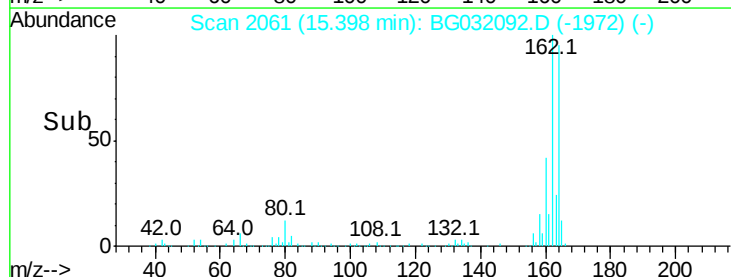
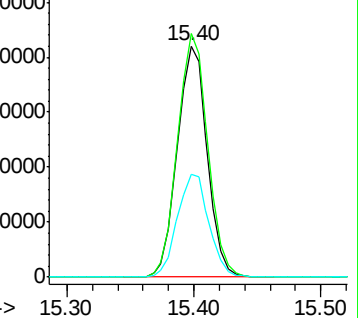
160 44.4 35.4 53.0

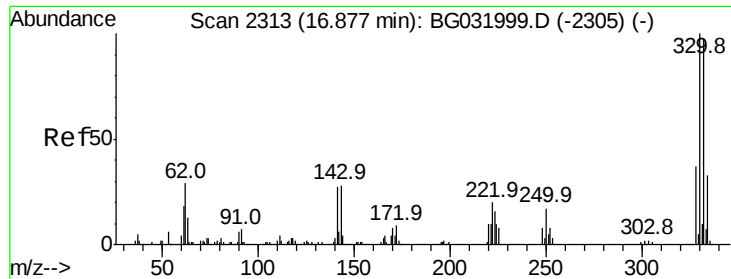


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

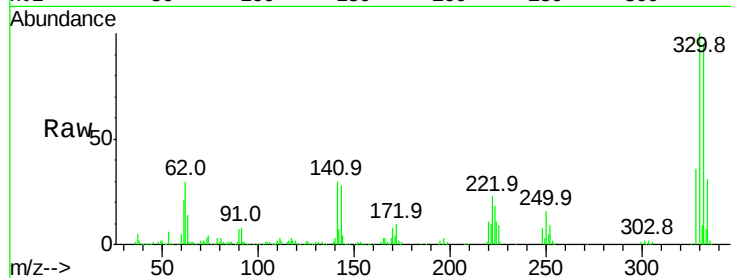




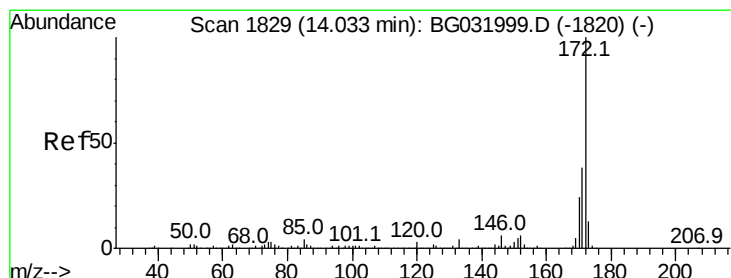
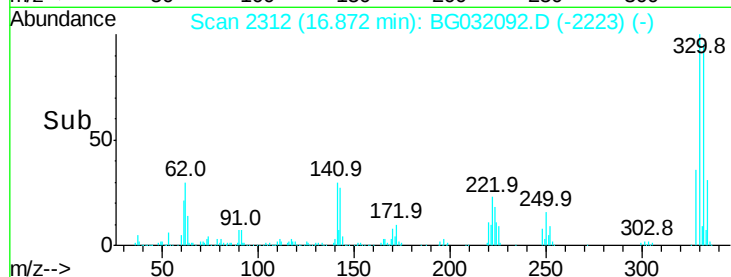
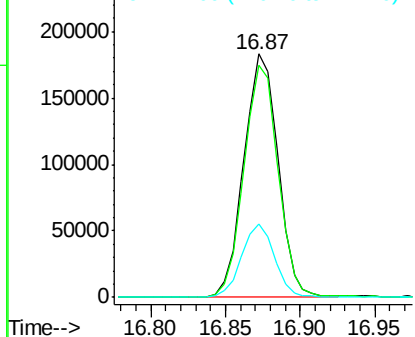
#41
 2,4,6-Tribromophenol
 Concen: 127.688 ng
 RT: 16.87 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: BG032092.D
 Acq: 17 Jan 2018 5:27

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	29.1	25.2	37.8

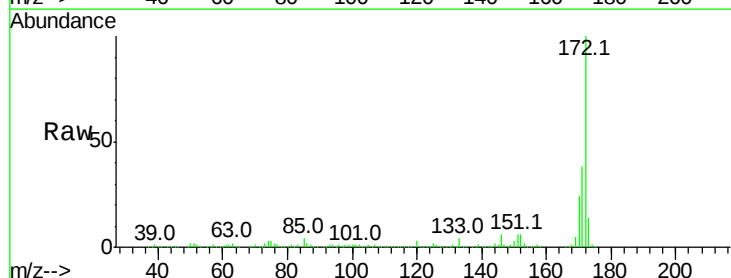


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

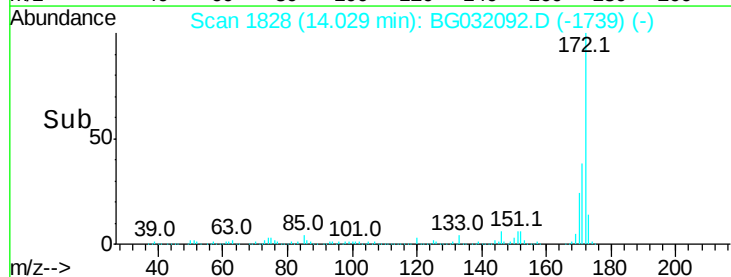
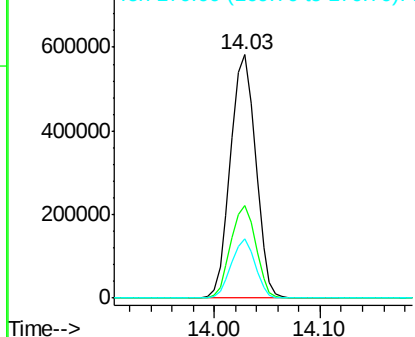


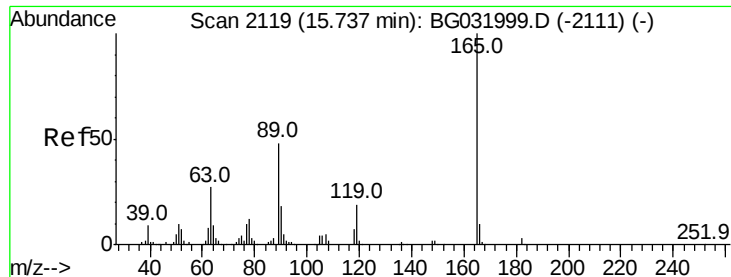
#44
 2-Fluorobiphenyl
 Concen: 86.896 ng
 RT: 14.03 min Scan# 1828
 Delta R.T. -0.00 min
 Lab File: BG032092.D
 Acq: 17 Jan 2018 5:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	30.0	45.0
170	24.1	19.5	29.3



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





#56

2,4-Dinitrotoluene

Concen: 5.290 ng

RT: 15.40 min Scan# 2061

Delta R.T. -0.34 min

Lab File: BG032092.D

Acq: 17 Jan 2018 5:27

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 17768

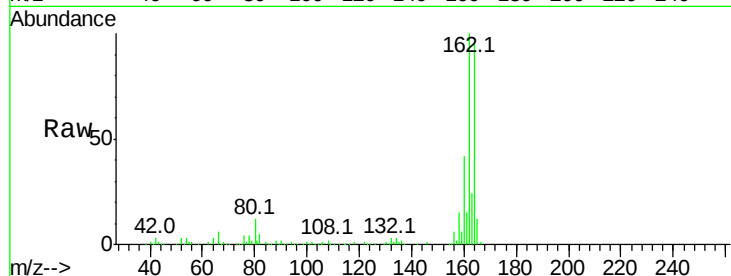
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 2.1 66.9 100.3#

182 0.0 2.6 3.8#

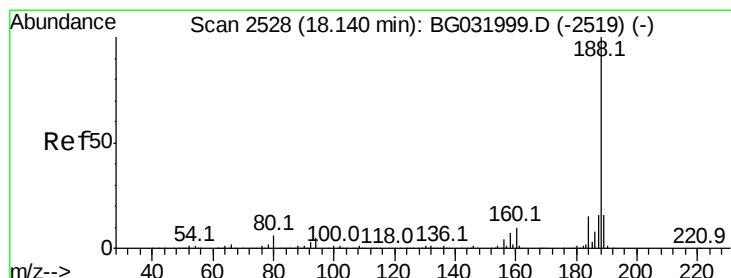
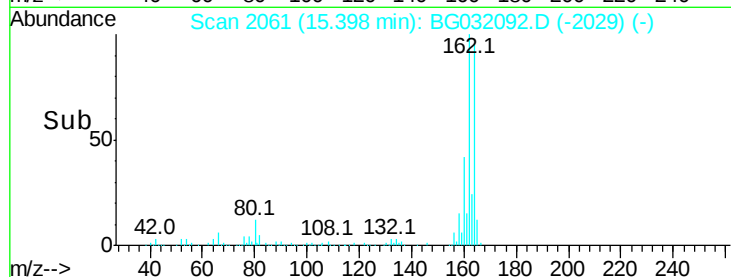
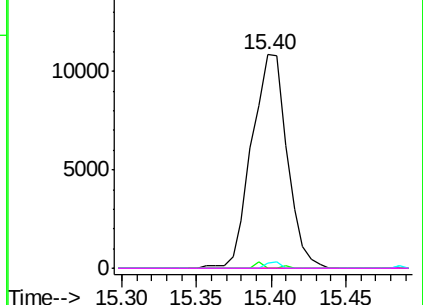


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.13 min Scan# 2526

Delta R.T. -0.01 min

Lab File: BG032092.D

Acq: 17 Jan 2018 5:27

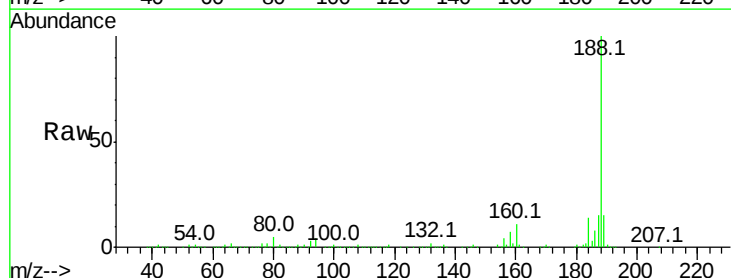
Tgt Ion:188 Resp: 356227

Ion Ratio Lower Upper

188 100

94 4.3 6.9 10.3#

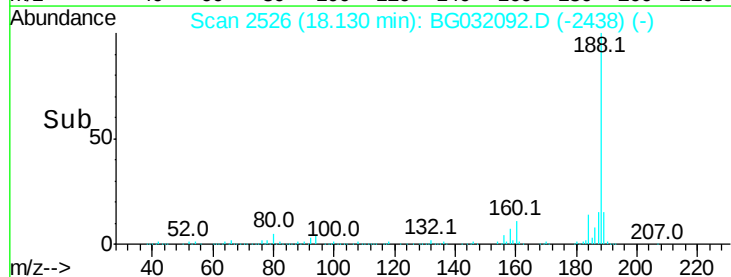
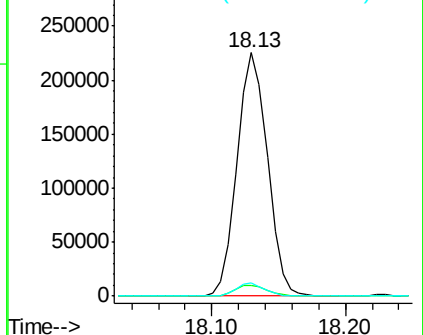
80 5.4 7.7 11.5#

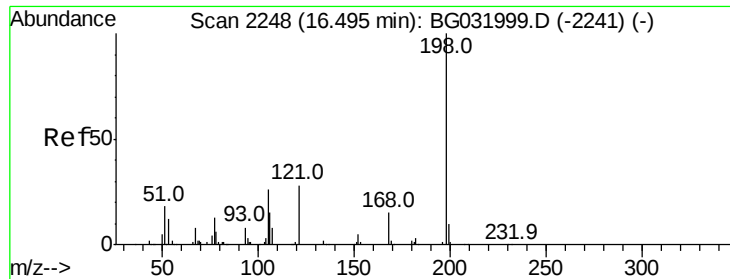


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

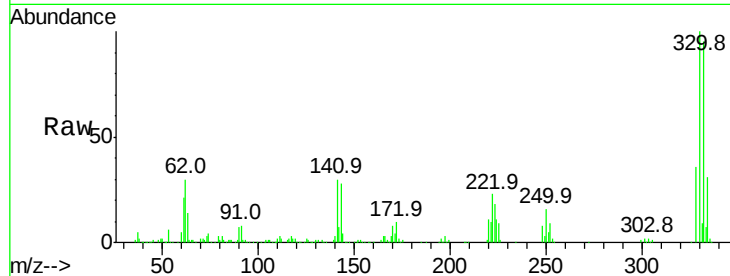




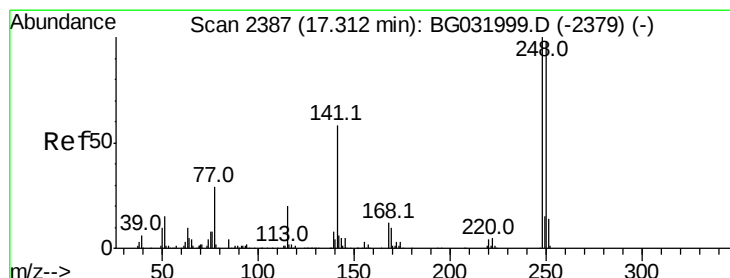
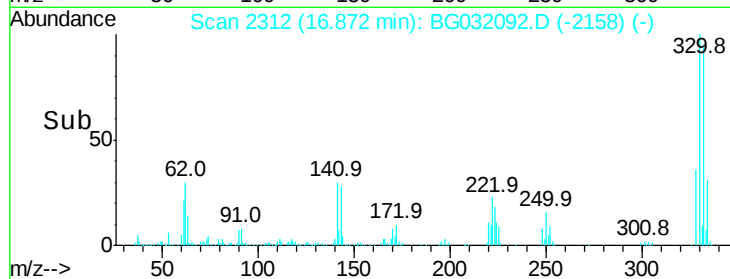
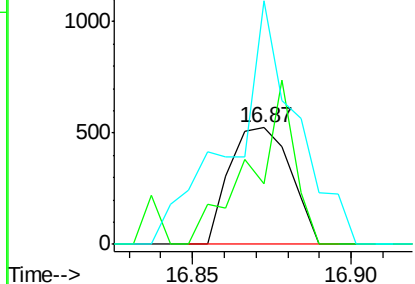
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.161 ng
 RT: 16.87 min Scan# 2312
 Delta R.T. 0.38 min
 Lab File: BG032092.D
 Acq: 17 Jan 2018 5:27

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	198	Resp	701
Ion Ratio	100	Lower	Upper
51	51.8	30.6	70.6
105	209.2	23.8	63.8

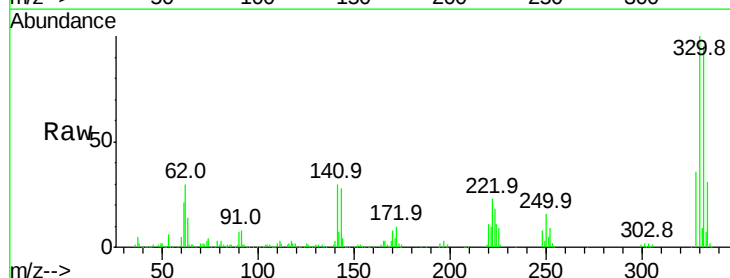


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

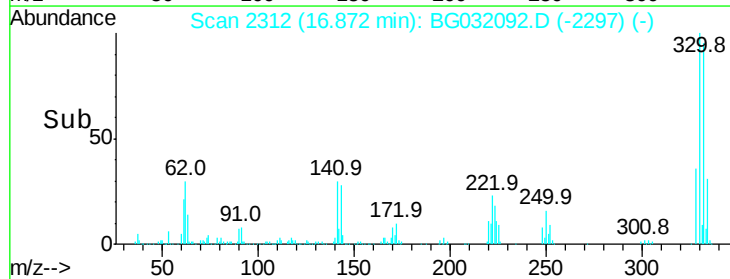
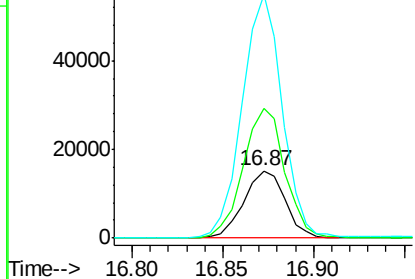


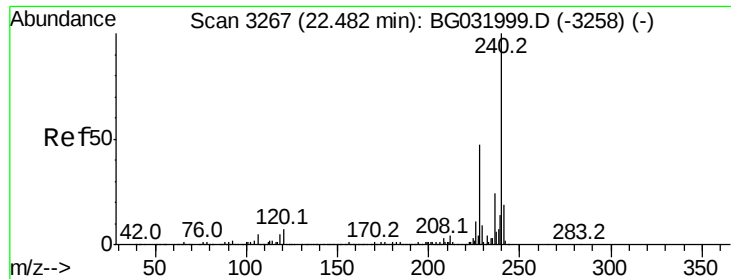
#66
 4-Bromophenyl-phenylether
 Concen: 4.726 ng
 RT: 16.87 min Scan# 2312
 Delta R.T. -0.44 min
 Lab File: BG032092.D
 Acq: 17 Jan 2018 5:27

Tgt Ion	248	Resp	23956
Ion Ratio	100	Lower	Upper
250	192.8	77.1	115.7#
141	360.8	50.8	76.2#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.47 min Scan# 3264

Delta R.T. -0.02 min

Lab File: BG032092.D

Acq: 17 Jan 2018 5:27

Instrument :

BNA_G

ClientSampleId :

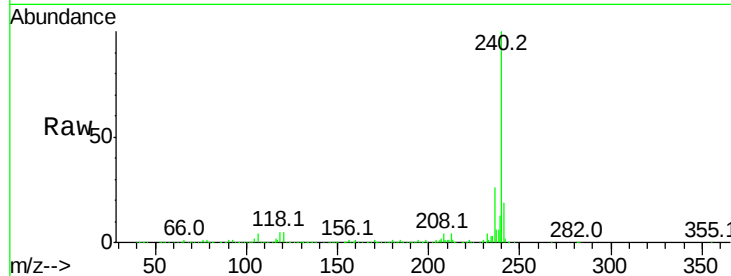
Tot Ion:240 Resp: 433398

Ion Ratio Lower Upper

240 100

120 5.1 6.8 10.2#

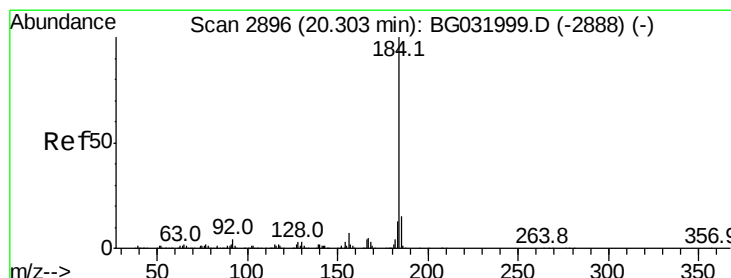
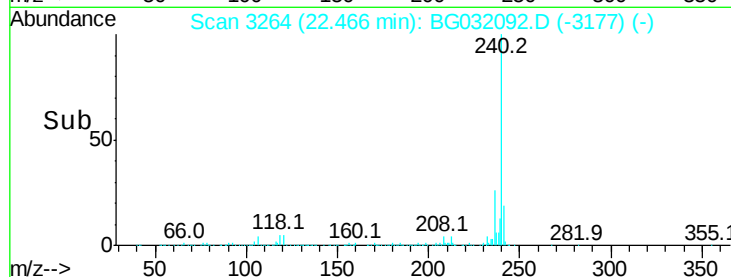
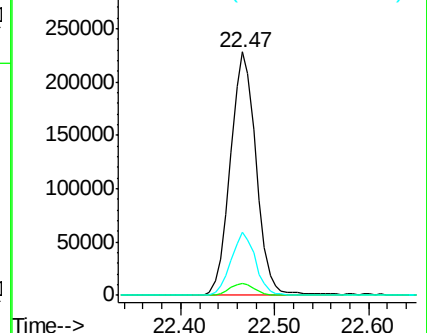
236 25.7 20.9 31.3



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



#76

Benzidine

Concen: 2.160 ng

RT: 20.66 min Scan# 2957

Delta R.T. 0.36 min

Lab File: BG032092.D

Acq: 17 Jan 2018 5:27

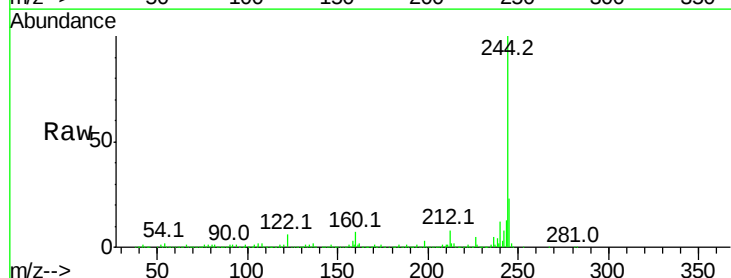
Tgt Ion:184 Resp: 23405

Ion Ratio Lower Upper

184 100

185 17.1 11.1 16.7#

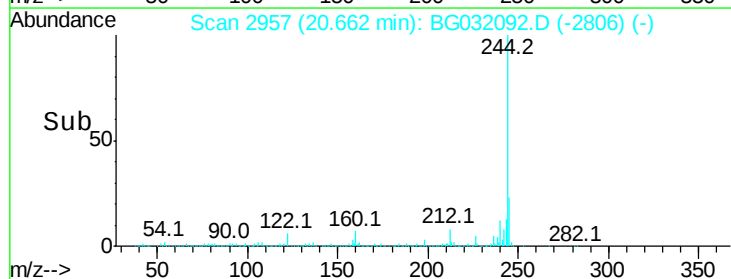
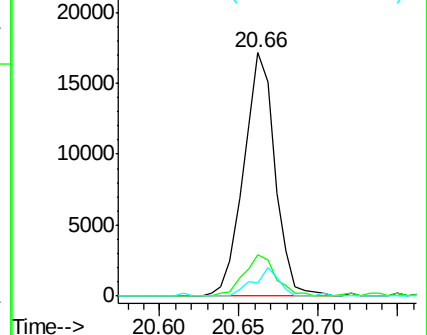
183 5.7 10.6 16.0#

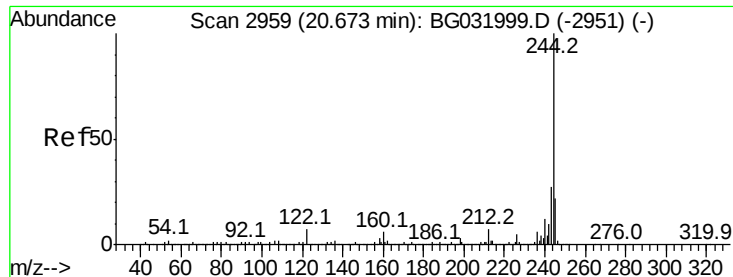


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 86.292 ng

RT: 20.66 min Scan# 2957

Delta R.T. -0.01 min

Lab File: BG032092.D

Acq: 17 Jan 2018 5:27

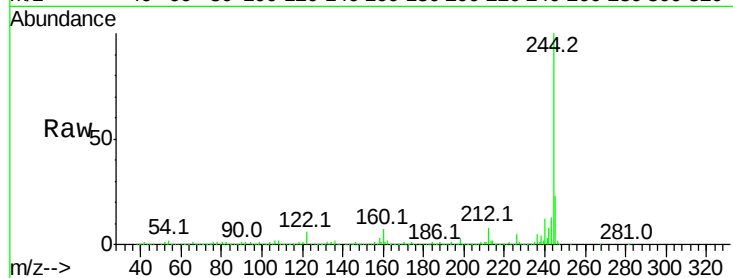
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1693757

Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.8	8.8
122	6.2	7.0	10.4

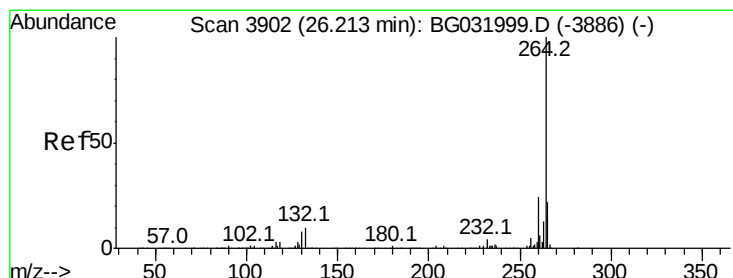
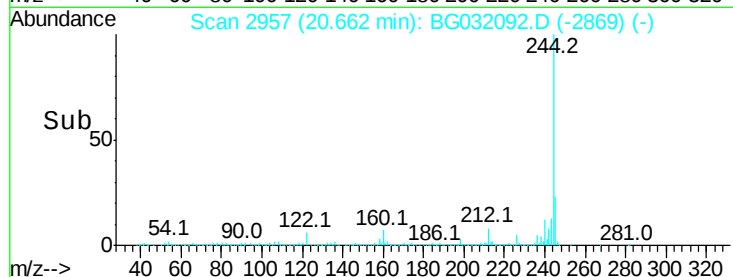
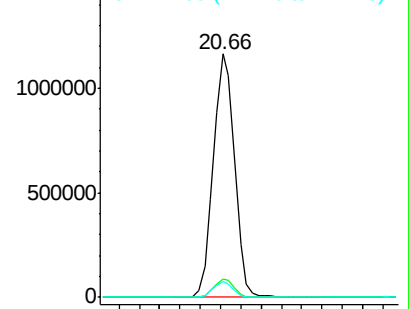


Abundance

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



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.18 min Scan# 3896

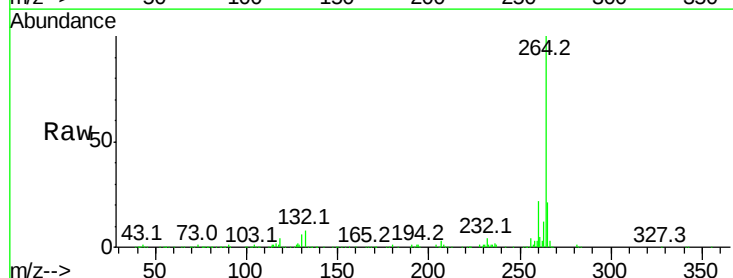
Delta R.T. -0.03 min

Lab File: BG032092.D

Acq: 17 Jan 2018 5:27

Tgt Ion:264 Resp: 437760

Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.4	26.0
265	20.7	17.7	26.5



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

