

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021518\
 Data File : BG032720.D
 Acq On : 15 Feb 2018 19:10
 Operator : SJ/JU
 Sample : J1404-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 16 02:25:51 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 12 18:08:01 2018
 Response via : Initial Calibration

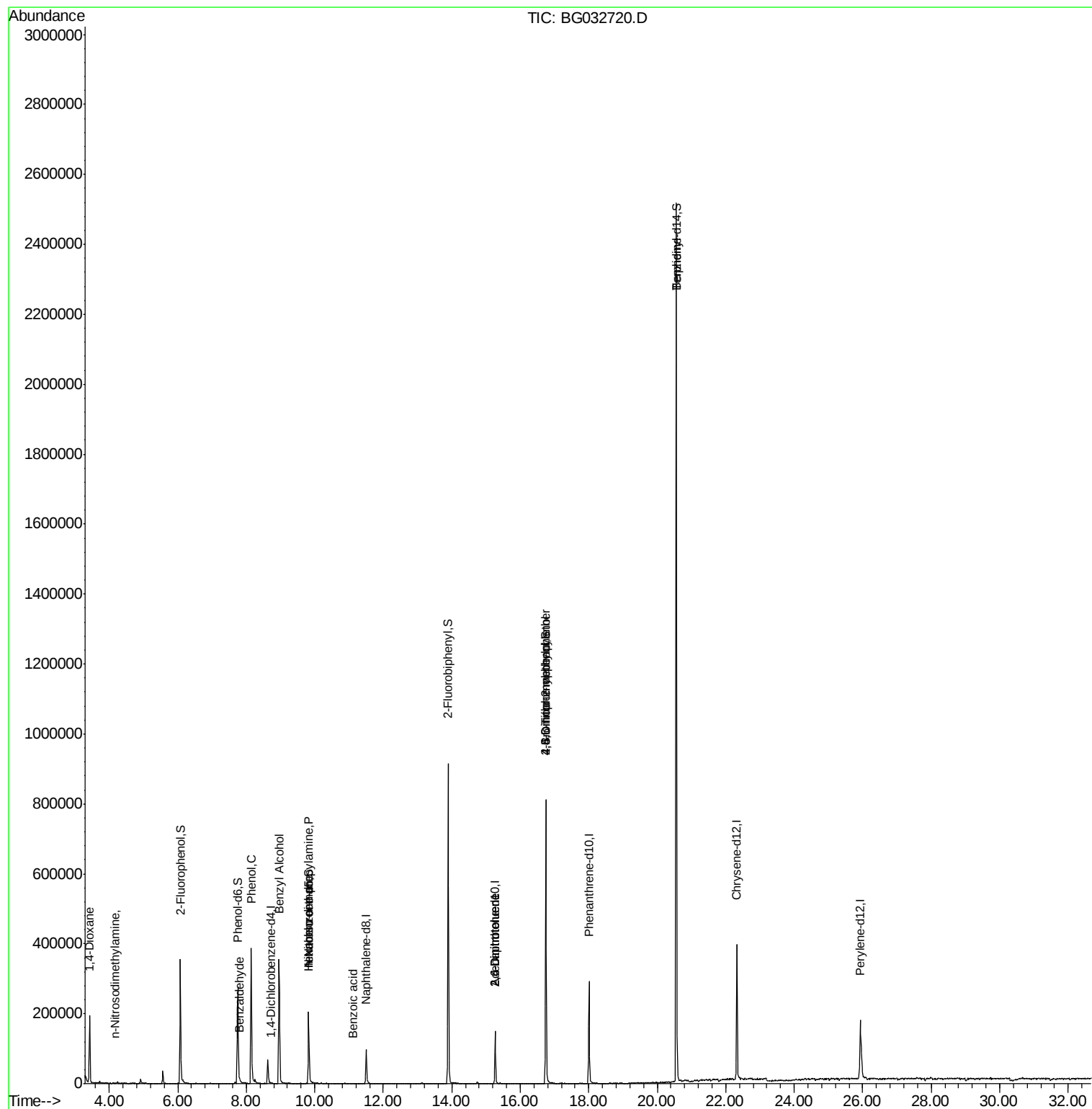
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	1210	20.00	ng	0.03
21) Naphthalene-d8	11.50	136	105625	20.00	ng	-0.05
38) Acenaphthene-d10	15.27	164	60201	20.00	ng	-0.04
63) Phenanthrene-d10	18.01	188	217338	20.00	ng	-0.04
75) Chrysene-d12	22.33	240	309148	20.00	ng	-0.05
86) Perylene-d12	25.93	264	206095	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	6.07	112	179209	2971.54	ng	-0.04
7) Phenol-d6	7.75	99	185353	2247.64	ng	-0.05
23) Nitrobenzene-d5	9.82	82	142796	85.92	ng	-0.05
41) 2,4,6-Tribromophenol	16.75	330	203394	219.42	ng	-0.04
44) 2-Fluorobiphenyl	13.89	172	555884	115.47	ng	-0.04
78) Terphenyl-d14	20.56	244	1377993	101.59	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.43	88	2504	99.25	ng	# 1
4) n-Nitrosodimethylamine	4.16	42	149	4.90	ng	# 1
9) Benzaldehyde	7.80	77	127	2.61	ng	# 1
10) Phenol	8.14	94	303	3.78	ng	# 1
15) Benzyl Alcohol	8.96	79	3323	53.76	ng	# 33
18) Hexachloroethane	9.83	117	695	19.70	ng	# 1
19) n-Nitroso-di-n-propylamine	9.82	70	21378	385.61	ng	# 71
32) Benzoic acid	11.10	122	53	4.43	ng	# 47
50) 2,6-Dinitrotoluene	15.27	165	7449	6.95	ng	# 18
56) 2,4-Dinitrotoluene	15.27	165	7449	5.04	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.74	198	661	5.40	ng	# 21
66) 4-Bromophenyl-phenylether	16.75	248	15020	4.83	ng	# 1
76) Benzidine	20.56	184	20001	2.75	ng	# 90

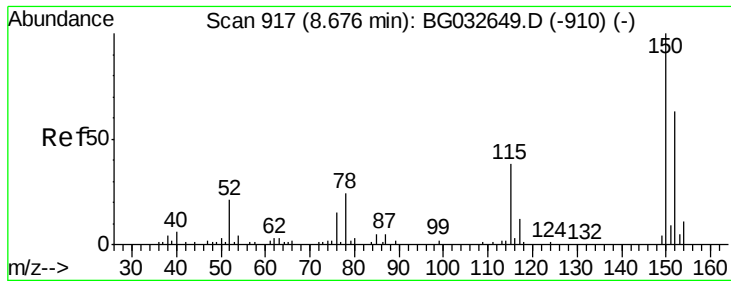
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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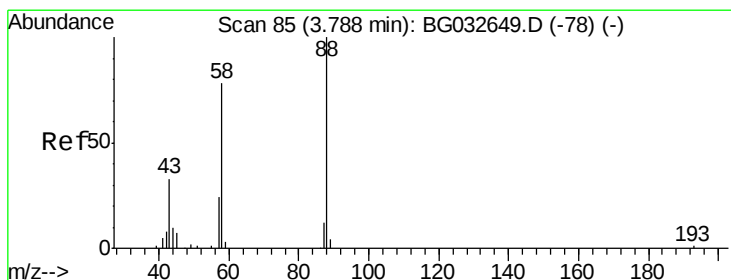
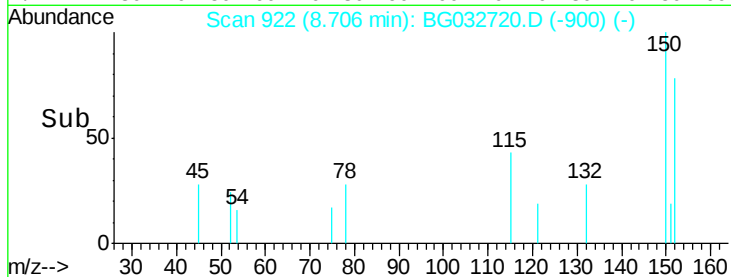
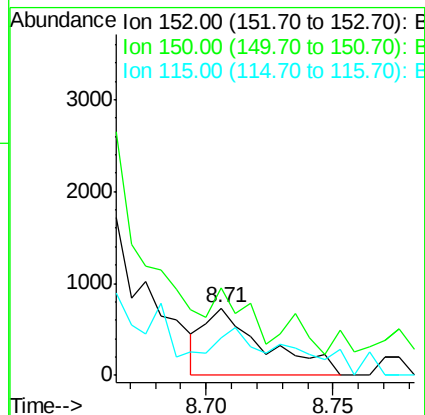
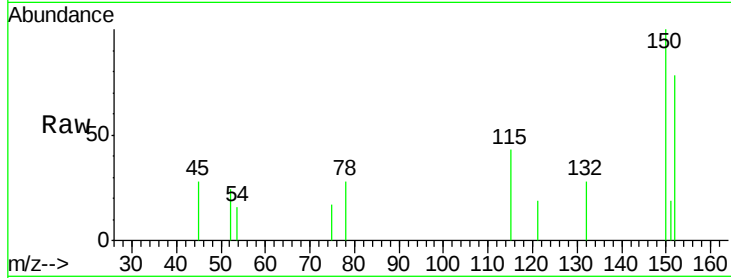


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.71 min Scan# 922
Delta R.T. 0.03 min
Lab File: BG032720.D
Acq: 15 Feb 2018 19:10

Instrument :
BNA_G
ClientSampleId :

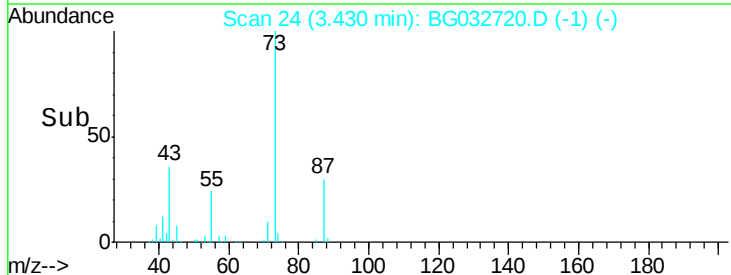
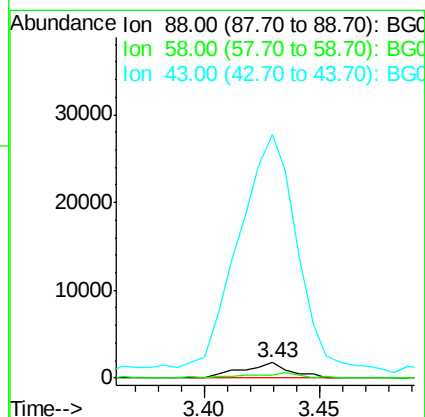
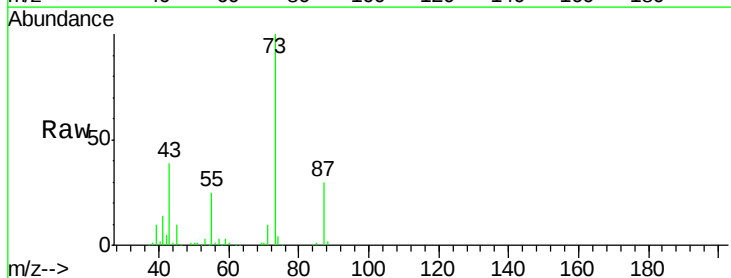
Tot Ion:152 Resp: 1210
Ion Ratio Lower Upper
152 100
150 128.6 126.6 189.8
115 55.1 53.0 79.4

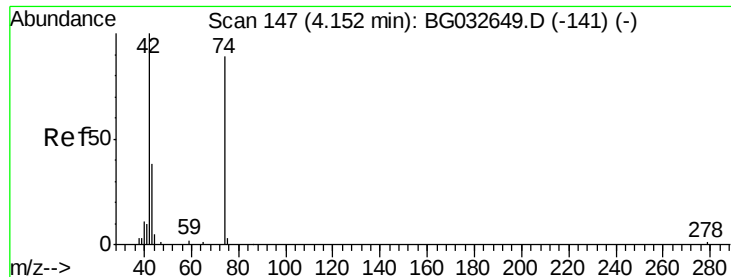


#2

1,4-Dioxane
Concen: 99.25 ng
RT: 3.43 min Scan# 24
Delta R.T. -0.36 min
Lab File: BG032720.D
Acq: 15 Feb 2018 19:10

Tgt Ion: 88 Resp: 2504
Ion Ratio Lower Upper
88 100
58 39.5 79.6 119.4#
43 1956.1 27.4 41.0#





#4

n-Nitrosodimethylamine

Concen: 4.90 ng

RT: 4.16 min Scan# 148

Delta R.T. 0.01 min

Lab File: BG032720.D

Acq: 15 Feb 2018 19:10

Instrument :

BNA_G

ClientSampleId :

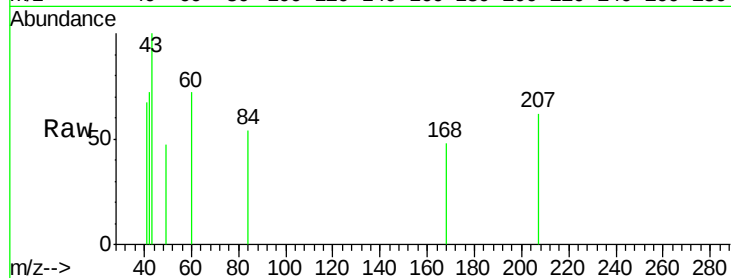
Tot Ion: 42 Resp: 149

Ion Ratio Lower Upper

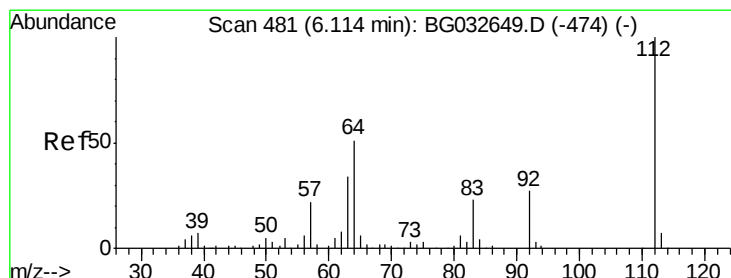
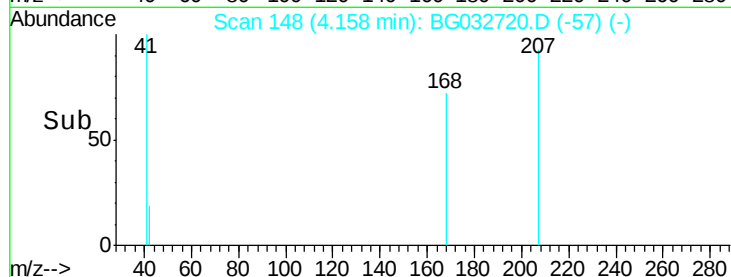
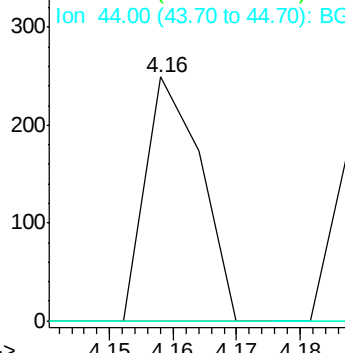
42 100

74 0.0 102.5 153.7#

44 0.0 18.9 28.3#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC



#5

2-Fluorophenol

Concen: 2971.54 ng

RT: 6.07 min Scan# 474

Delta R.T. -0.04 min

Lab File: BG032720.D

Acq: 15 Feb 2018 19:10

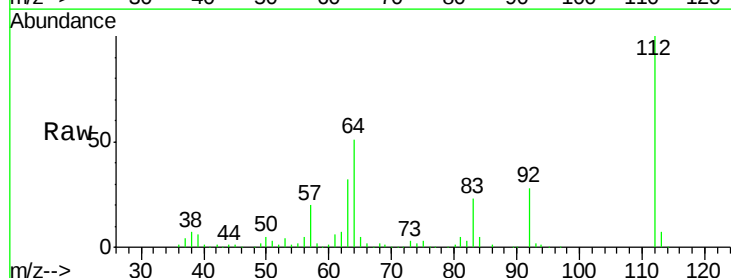
Tgt Ion: 112 Resp: 179209

Ion Ratio Lower Upper

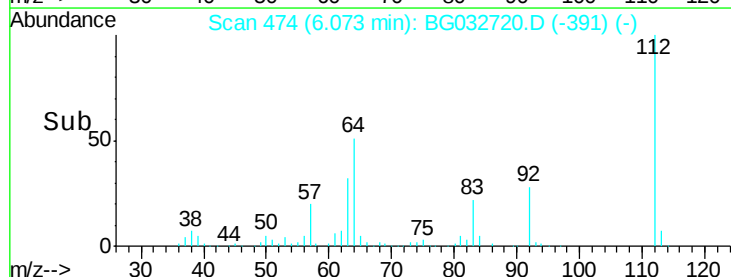
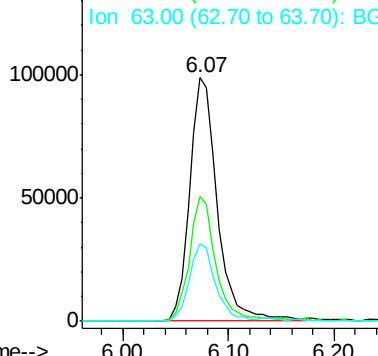
112 100

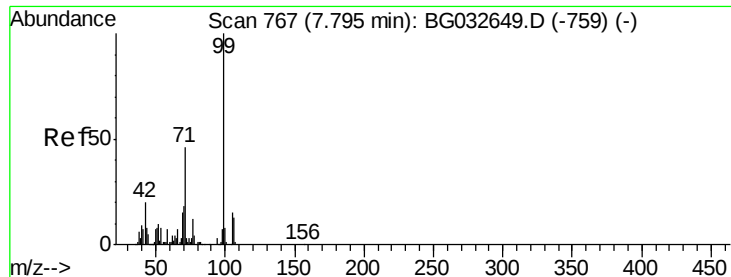
64 51.4 56.3 84.5#

63 31.8 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 2247.64 ng

RT: 7.75 min Scan# 759

Delta R.T. -0.05 min

Lab File: BG032720.D

Acq: 15 Feb 2018 19:10

Instrument :

BNA_G

ClientSampled :

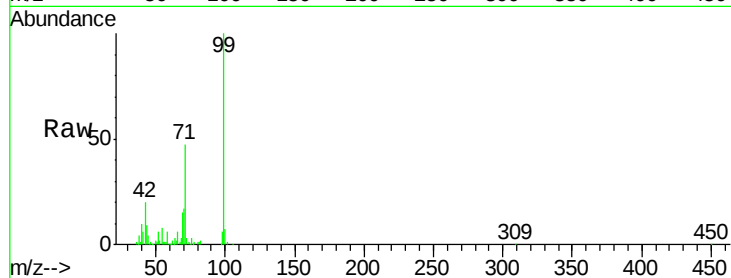
Tot Ion: 99 Resp: 185353

Ion Ratio Lower Upper

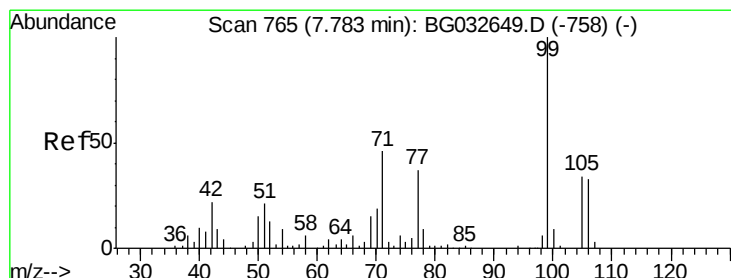
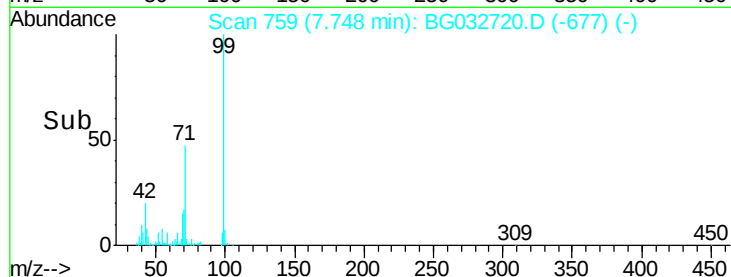
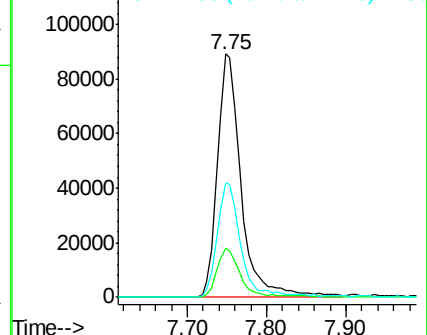
99 100

42 20.2 14.1 21.1

71 46.7 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



#9

Benzaldehyde

Concen: 2.61 ng

RT: 7.80 min Scan# 768

Delta R.T. 0.02 min

Lab File: BG032720.D

Acq: 15 Feb 2018 19:10

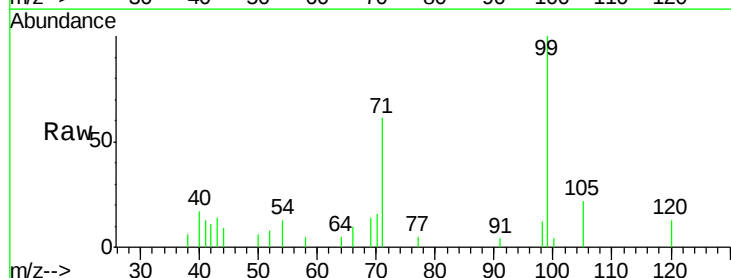
Tgt Ion: 77 Resp: 127

Ion Ratio Lower Upper

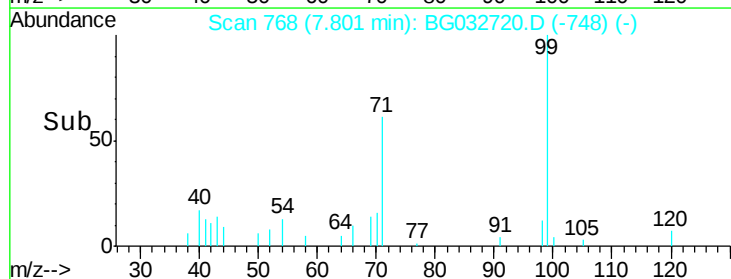
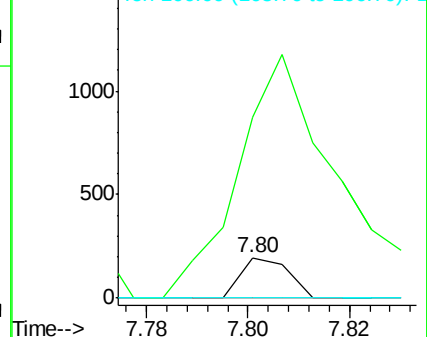
77 100

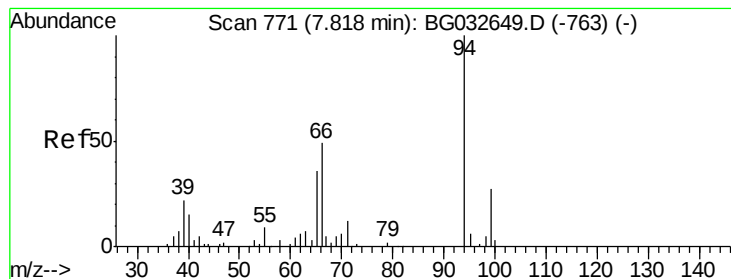
105 449.2 71.3 111.3#

106 0.0 64.2 104.2#



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





#10

Phenol

Concen: 3.78 ng

RT: 8.14 min Scan# 826

Delta R.T. 0.32 min

Lab File: BG032720.D

Acq: 15 Feb 2018 19:10

Instrument :

BNA_G

ClientSampleId :

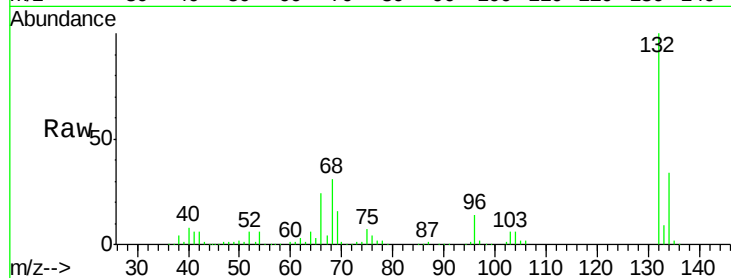
Tot Ion: 94 Resp: 303

Ion Ratio Lower Upper

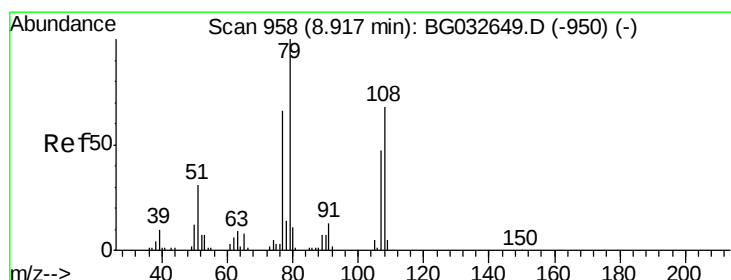
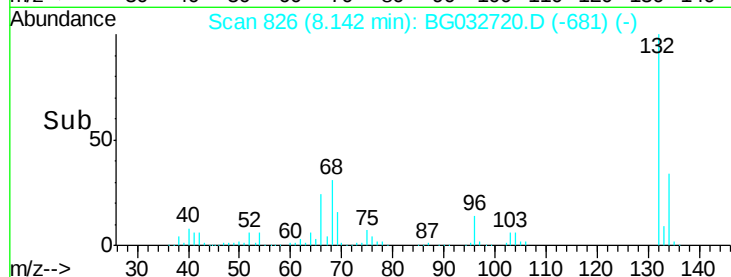
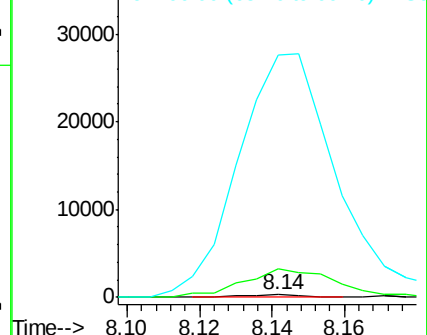
94 100

65 1073.4 11.9 51.9#

66 9287.5 22.2 62.2#



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



#15

Benzyl Alcohol

Concen: 53.76 ng

RT: 8.96 min Scan# 965

Delta R.T. 0.04 min

Lab File: BG032720.D

Acq: 15 Feb 2018 19:10

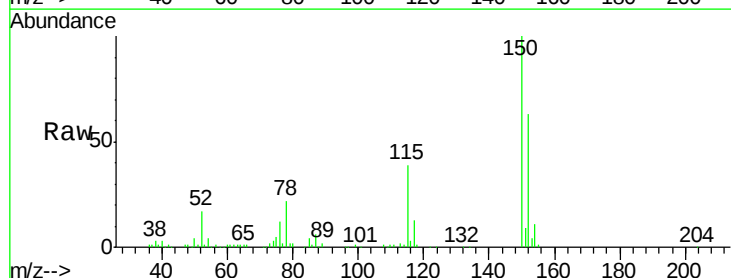
Tgt Ion: 79 Resp: 3323

Ion Ratio Lower Upper

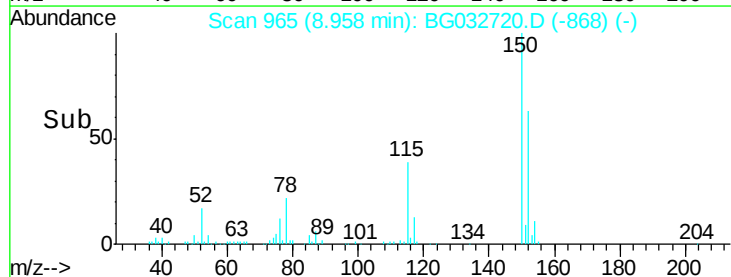
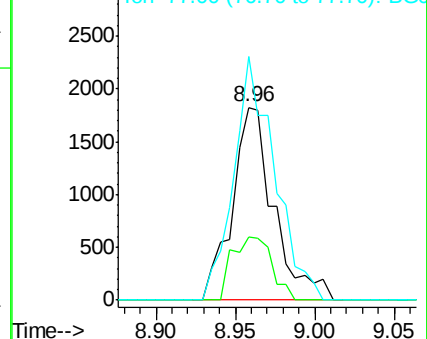
79 100

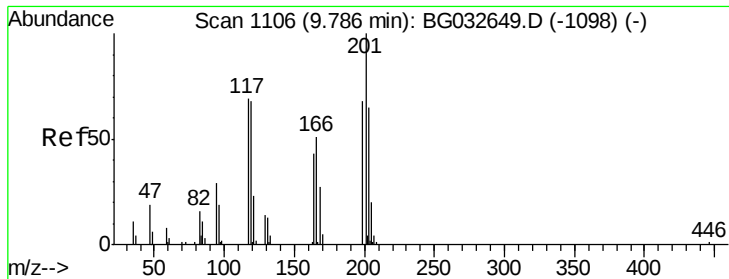
108 32.7 57.2 85.8#

77 126.4 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

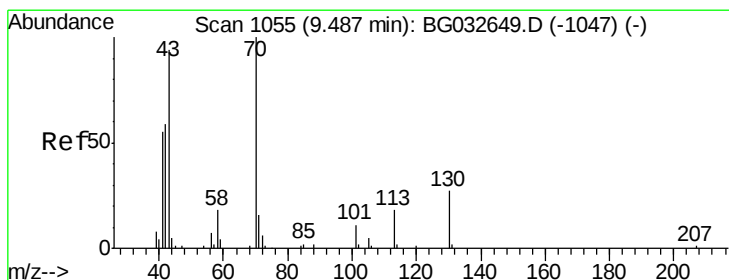
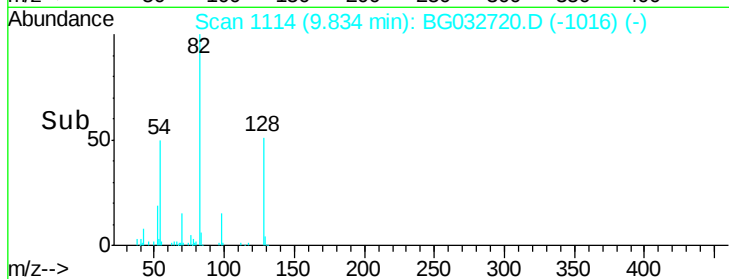
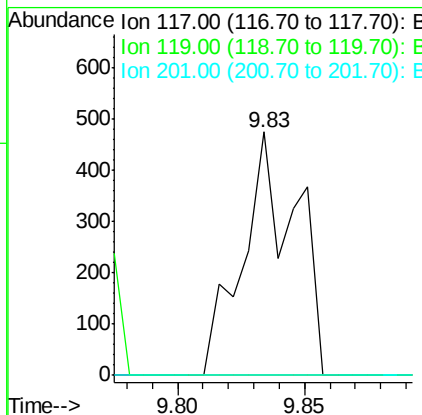
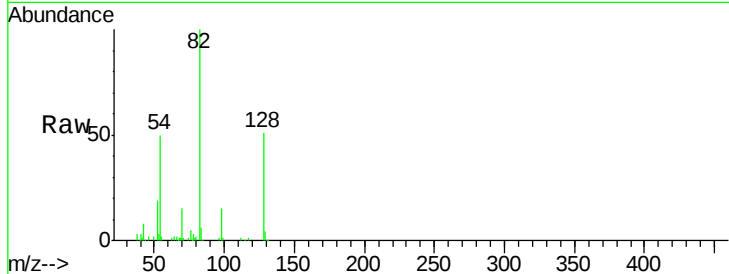




#18
Hexachloroethane
Concen: 19.70 ng
RT: 9.83 min Scan# 1114
Delta R.T. 0.05 min
Lab File: BG032720.D
Acq: 15 Feb 2018 19:10

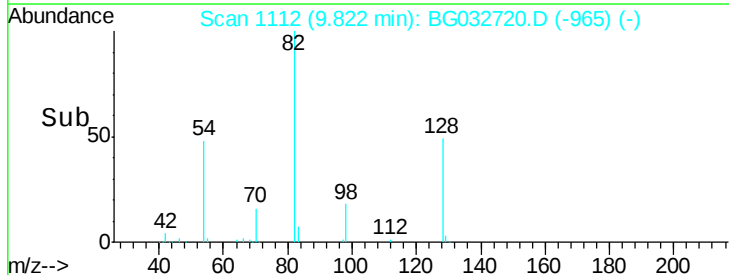
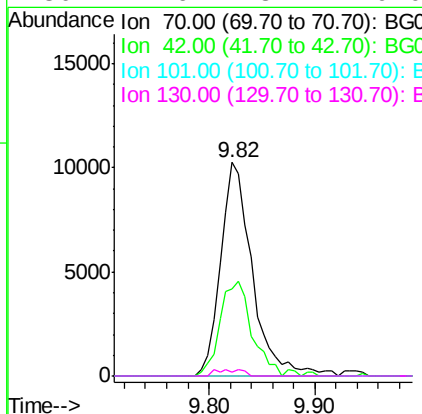
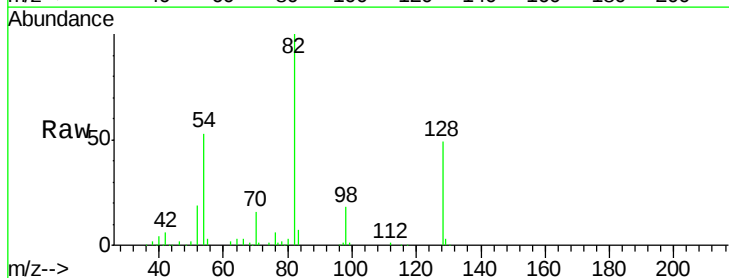
Instrument :
BNA_G
ClientSampleId :

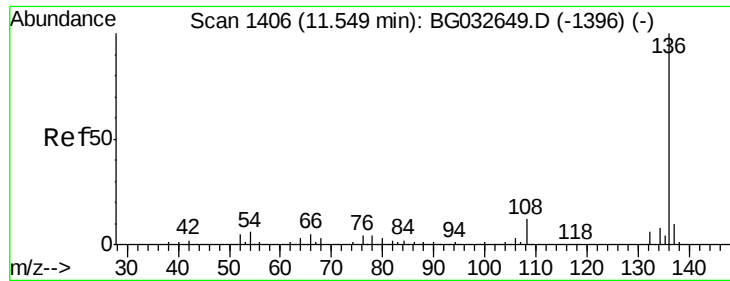
Tot Ion:117 Resp: 695
Ion Ratio Lower Upper
117 100
119 0.0 76.7 115.1#
201 0.0 95.7 143.5#



#19
n-Nitroso-di-n-propylamine
Concen: 385.61 ng
RT: 9.82 min Scan# 1112
Delta R.T. 0.34 min
Lab File: BG032720.D
Acq: 15 Feb 2018 19:10

Tgt Ion: 70 Resp: 21378
Ion Ratio Lower Upper
70 100
42 40.7 49.1 73.7#
101 0.0 8.5 12.7#
130 1.6 13.4 20.0#

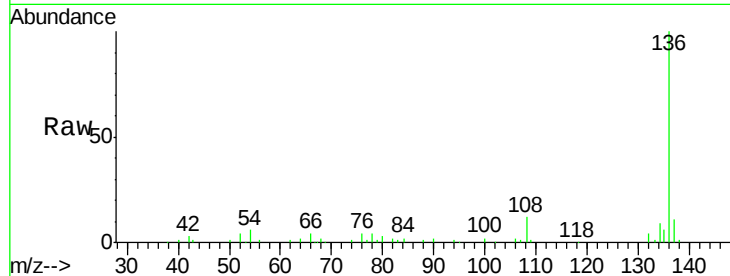




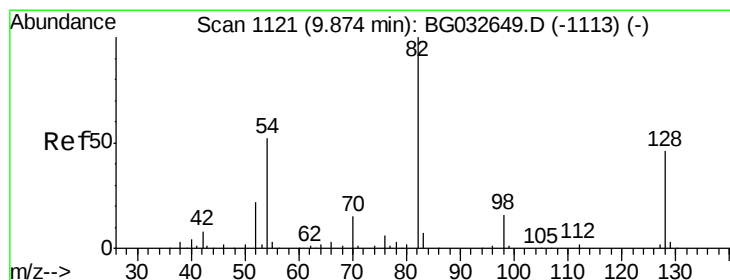
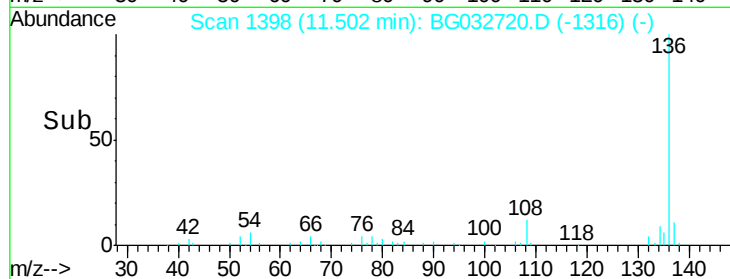
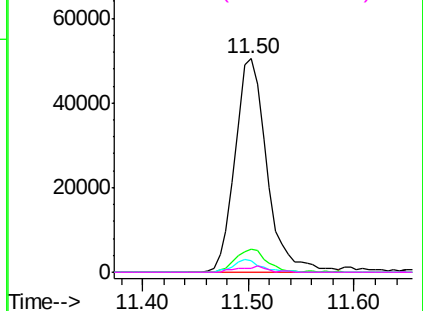
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.50 min Scan# 1398
Delta R.T. -0.05 min
Lab File: BG032720.D
Acq: 15 Feb 2018 19:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	105625
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.2 13.8
54	5.6	10.3 15.5#
68	1.9	4.5 6.7#

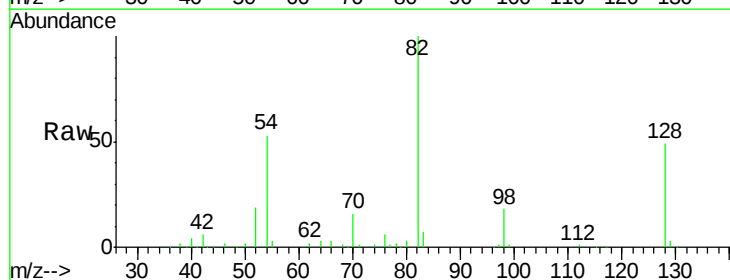


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

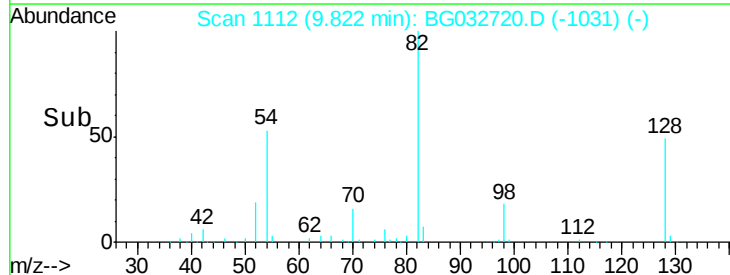
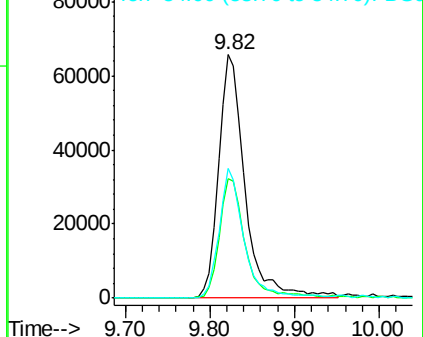


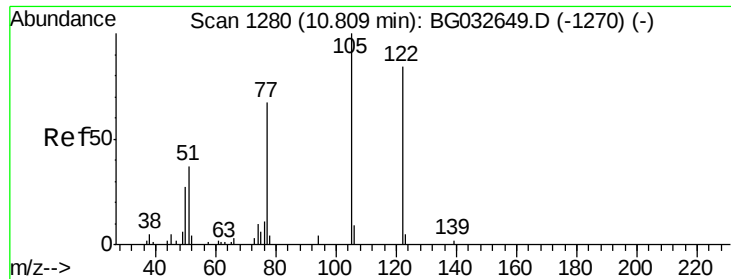
#23
Nitrobenzene-d5
Concen: 85.92 ng
RT: 9.82 min Scan# 1112
Delta R.T. -0.05 min
Lab File: BG032720.D
Acq: 15 Feb 2018 19:10

Tgt Ion: 82	Resp:	142796
Ion Ratio	Lower	Upper
82	100	
128	48.8	29.7 44.5#
54	53.5	43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

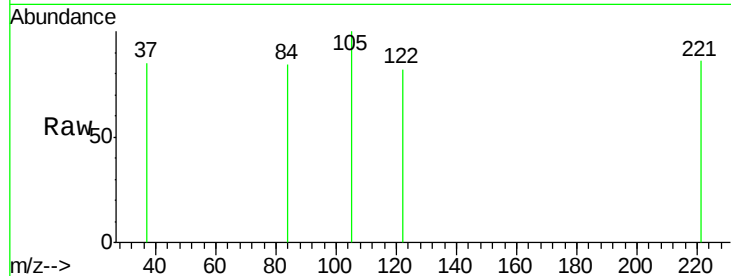




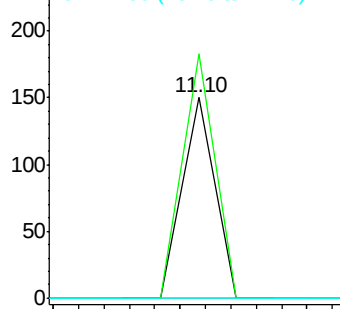
#32
Benzoic acid
Concen: 4.43 ng
RT: 11.10 min Scan# 1330
Delta R.T. 0.29 min
Lab File: BG032720.D
Acq: 15 Feb 2018 19:10

Instrument :
BNA_G
ClientSampleId :

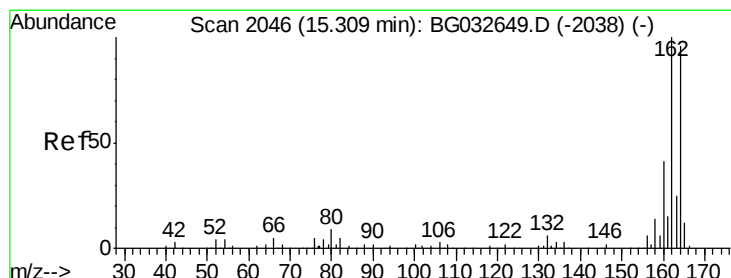
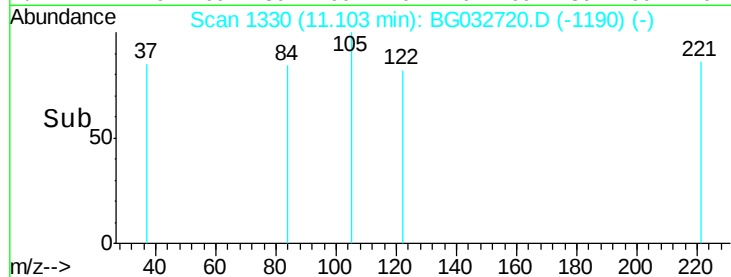
Tot Ion:122 Resp: 53
Ion Ratio Lower Upper
122 100
105 122.0 123.5 163.5#
77 0.0 85.7 125.7#



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

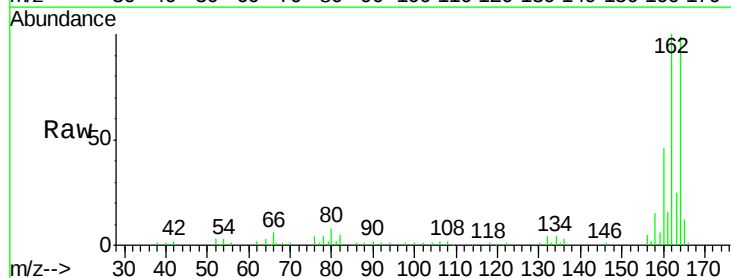


Time--> 11.08 11.10 11.12

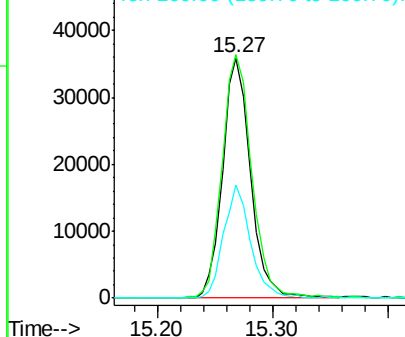


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.27 min Scan# 2039
Delta R.T. -0.04 min
Lab File: BG032720.D
Acq: 15 Feb 2018 19:10

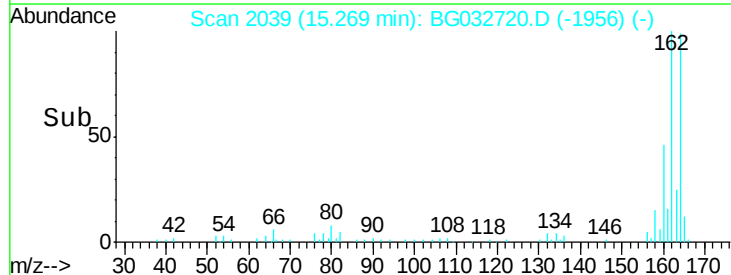
Tgt Ion:164 Resp: 60201
Ion Ratio Lower Upper
164 100
162 101.4 78.8 118.2
160 47.1 35.4 53.0

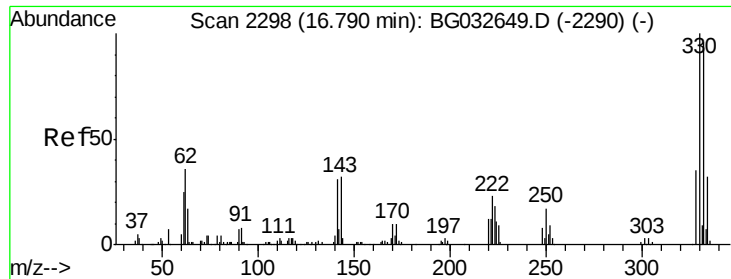


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time--> 15.20 15.30

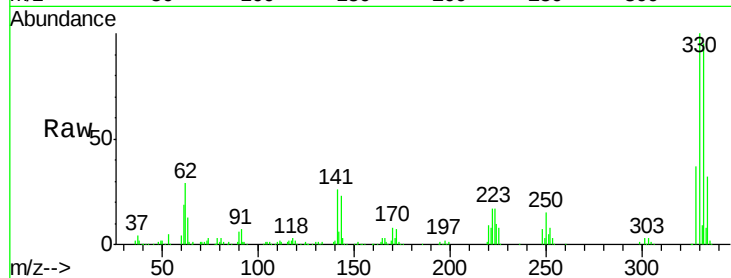




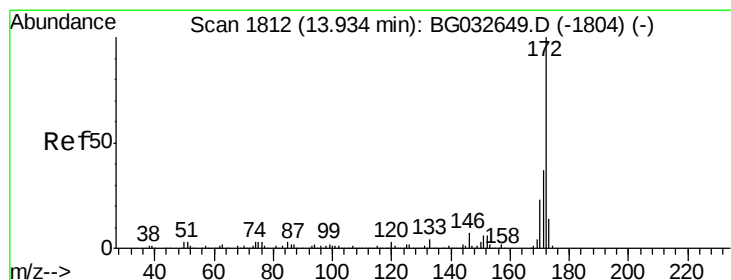
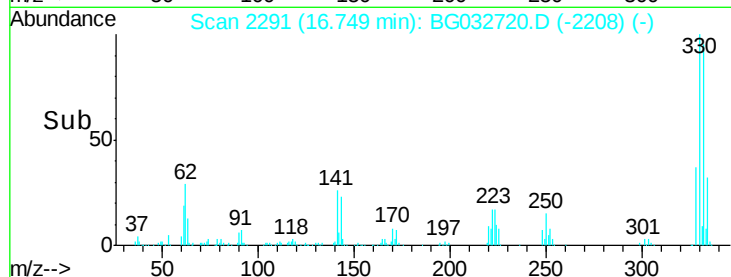
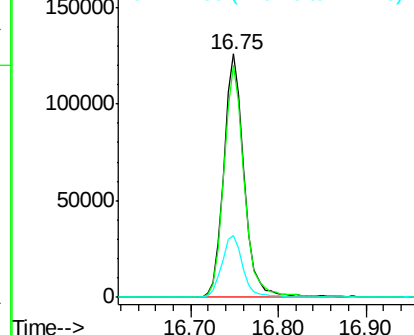
#41
 2,4,6-Tribromophenol
 Concen: 219.42 ng
 RT: 16.75 min Scan# 2291
 Delta R.T. -0.04 min
 Lab File: BG032720.D
 Acq: 15 Feb 2018 19:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	26.0	25.2	37.8

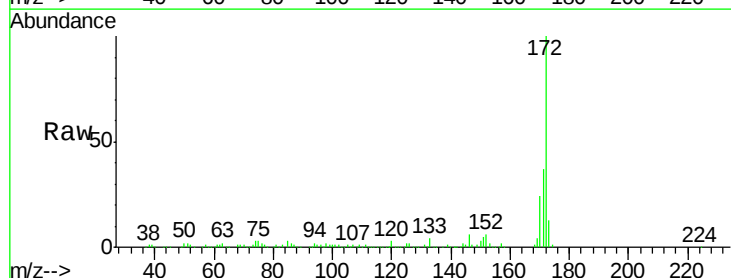


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

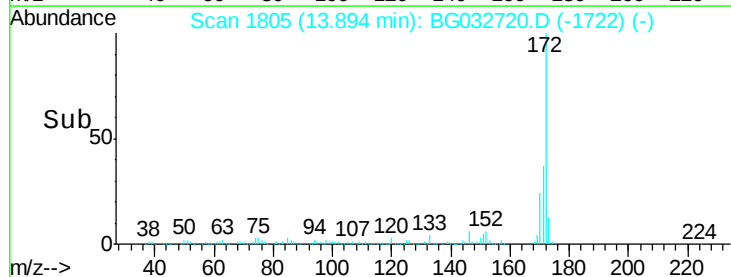
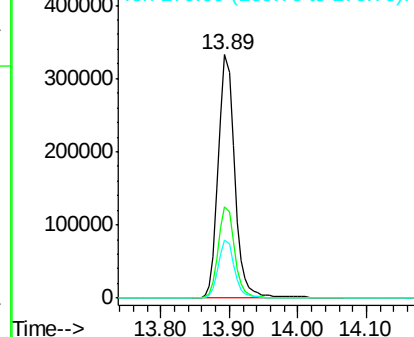


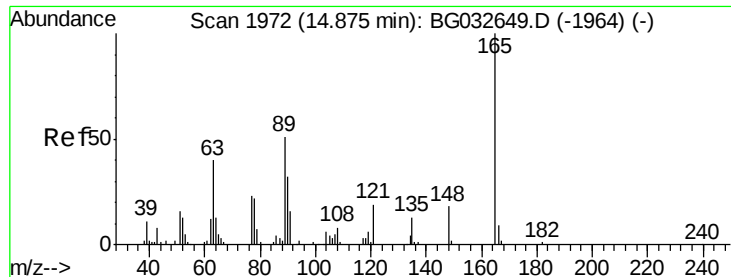
#44
 2-Fluorobiphenyl
 Concen: 115.47 ng
 RT: 13.89 min Scan# 1805
 Delta R.T. -0.04 min
 Lab File: BG032720.D
 Acq: 15 Feb 2018 19:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.0	45.0
170	23.9	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

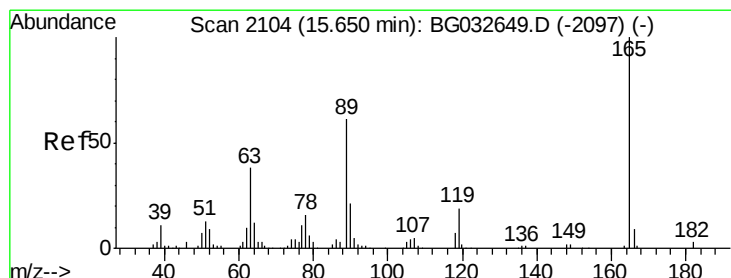
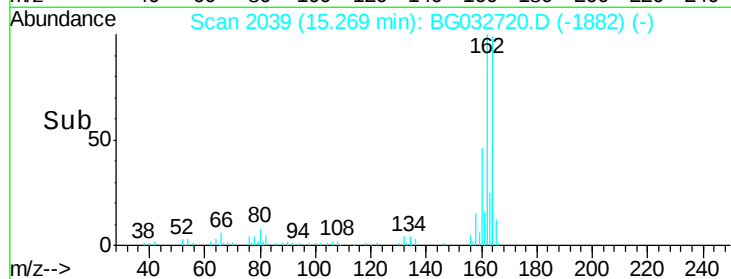
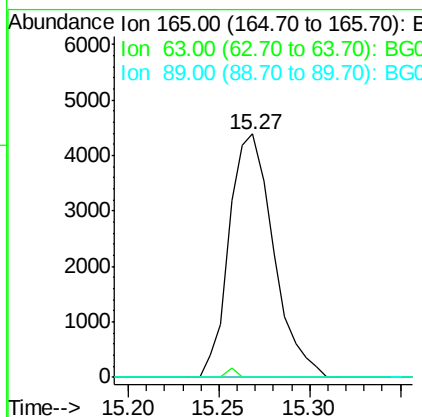
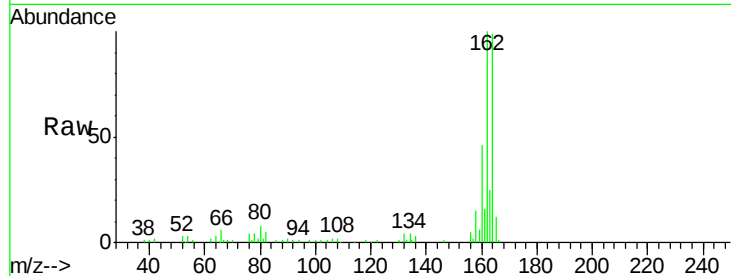




#50
2,6-Dinitrotoluene
Concen: 6.95 ng
RT: 15.27 min Scan# 2039
Delta R.T. 0.39 min
Lab File: BG032720.D
Acq: 15 Feb 2018 19:10

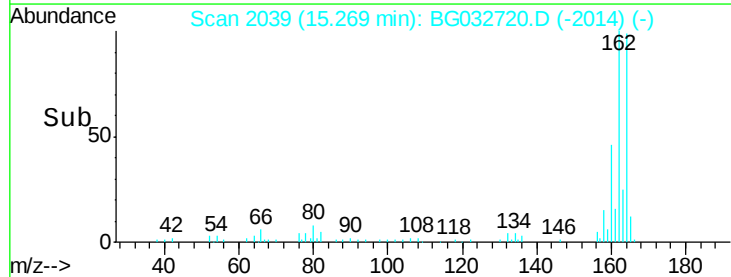
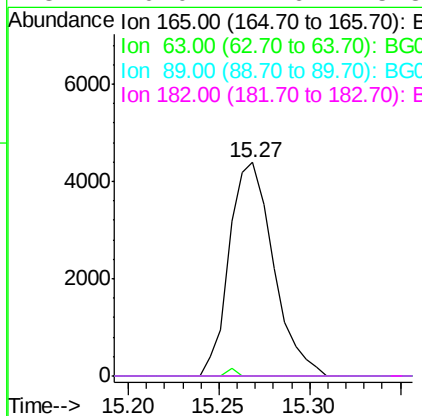
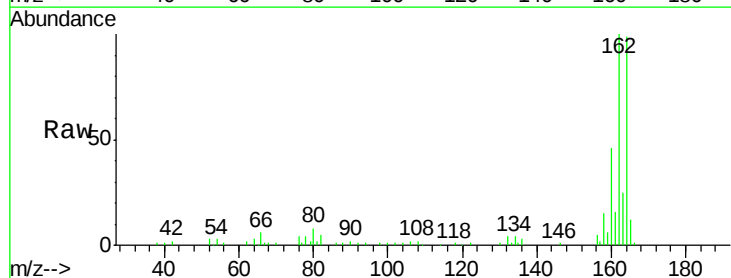
Instrument :
BNA_G
ClientSampleId :

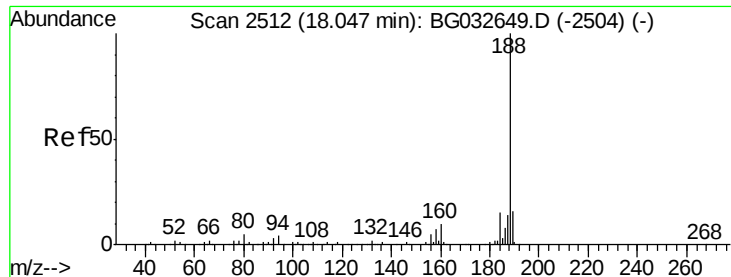
Tot Ion:165 Resp: 7449
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 5.04 ng
RT: 15.27 min Scan# 2039
Delta R.T. -0.38 min
Lab File: BG032720.D
Acq: 15 Feb 2018 19:10

Tgt Ion:165 Resp: 7449
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.01 min Scan# 2505

Delta R.T. -0.04 min

Lab File: BG032720.D

Acq: 15 Feb 2018 19:10

Instrument :

BNA_G

ClientSampleId :

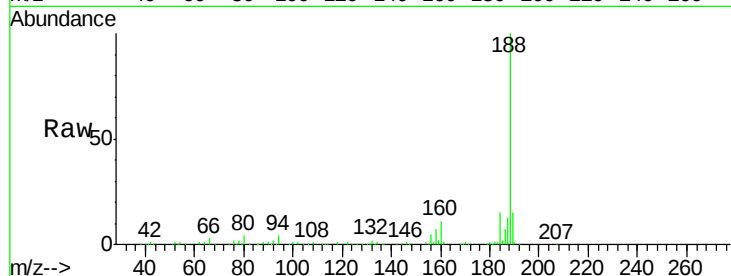
Tot Ion:188 Resp: 217338

Ion Ratio Lower Upper

188 100

94 3.5 6.9 10.3#

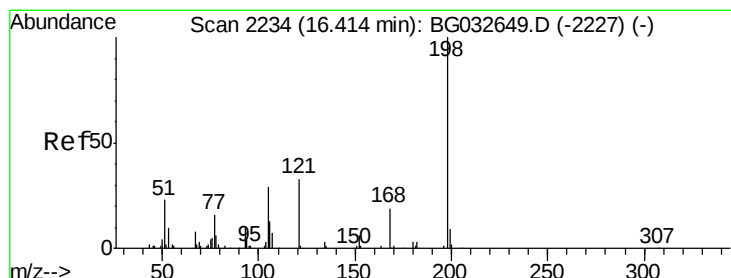
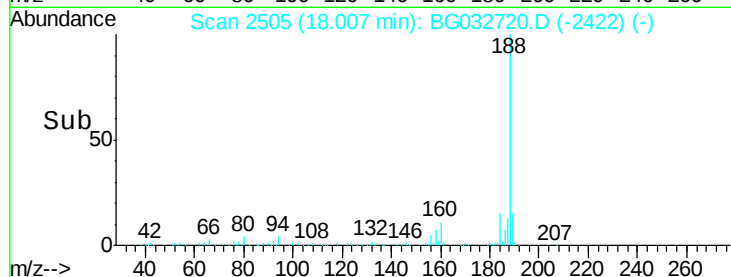
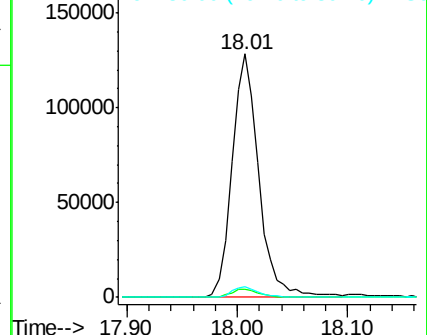
80 4.3 7.7 11.5#



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: 5.40 ng

RT: 16.74 min Scan# 2290

Delta R.T. 0.33 min

Lab File: BG032720.D

Acq: 15 Feb 2018 19:10

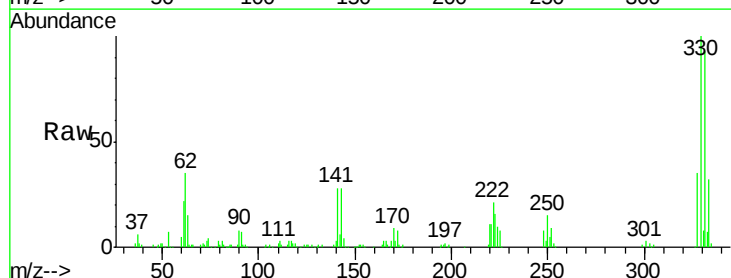
Tgt Ion:198 Resp: 661

Ion Ratio Lower Upper

198 100

51 83.4 30.6 70.6#

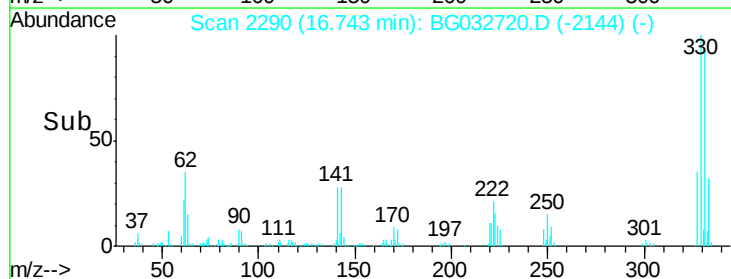
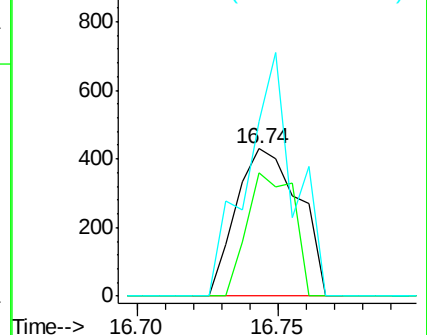
105 118.4 23.8 63.8#

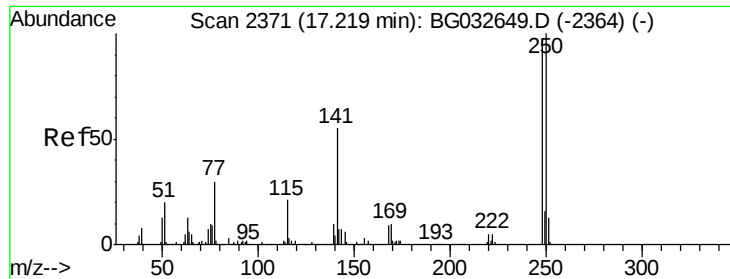


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

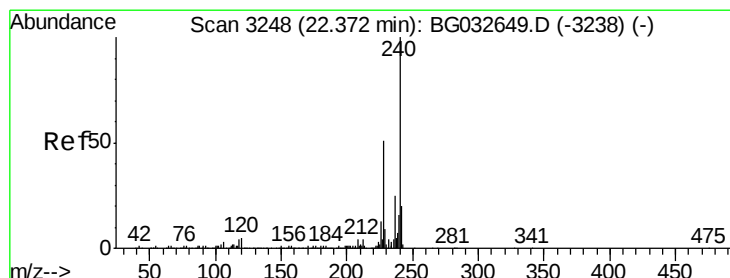
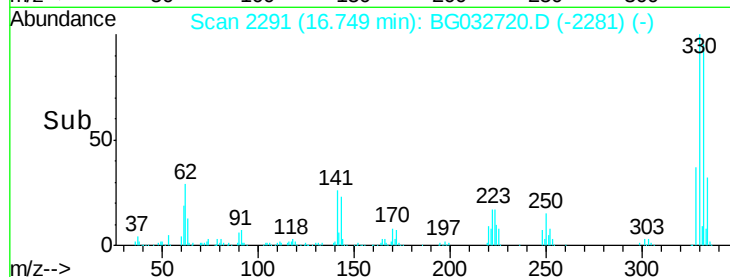
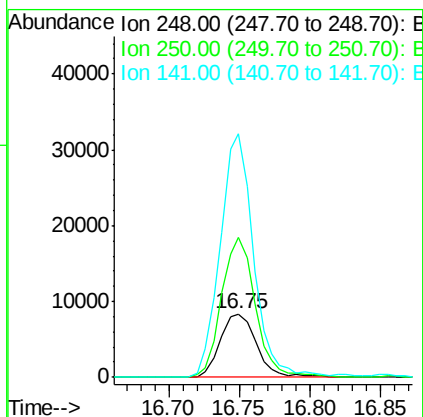
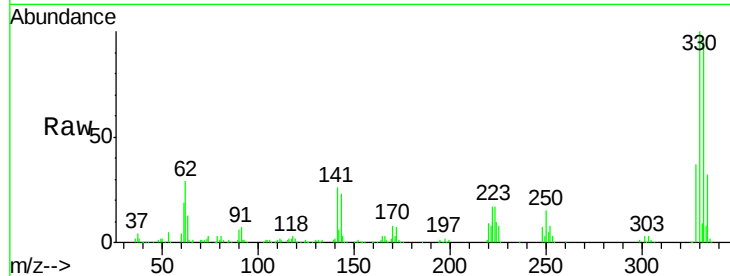




#66
 4-Bromophenyl-phenylether
 Concen: 4.83 ng
 RT: 16.75 min Scan# 2291
 Delta R.T. -0.47 min
 Lab File: BG032720.D
 Acq: 15 Feb 2018 19:10

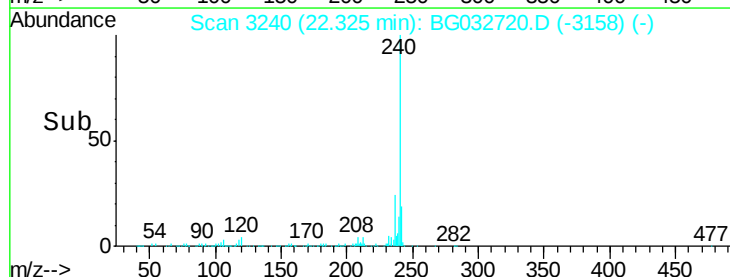
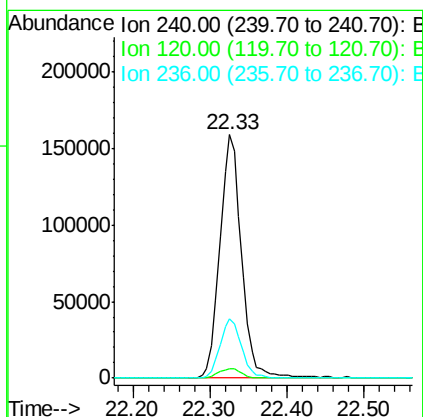
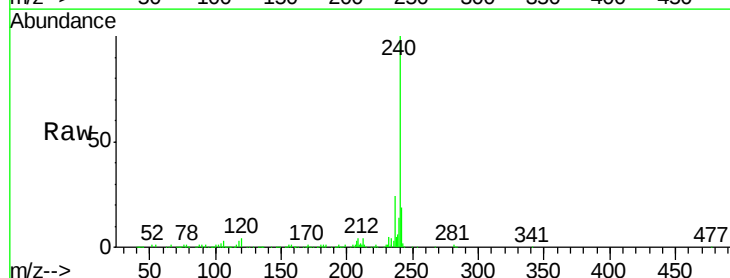
Instrument :
 BNA_G
 ClientSampleId :

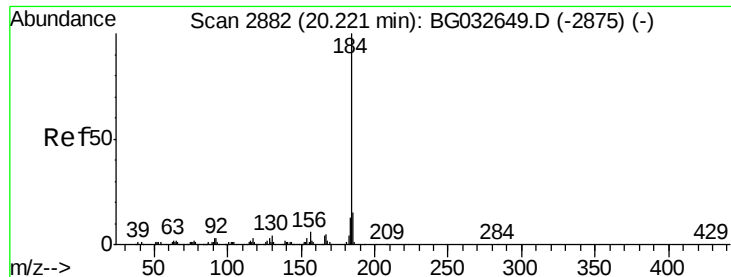
Tot Ion:248 Resp: 15020
 Ion Ratio Lower Upper
 248 100
 250 221.9 77.1 115.7#
 141 385.3 50.8 76.2#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 22.33 min Scan# 3240
 Delta R.T. -0.05 min
 Lab File: BG032720.D
 Acq: 15 Feb 2018 19:10

Tgt Ion:240 Resp: 309148
 Ion Ratio Lower Upper
 240 100
 120 4.0 6.8 10.2#
 236 24.2 20.9 31.3





#76

Benzidine

Concen: 2.75 ng

RT: 20.56 min Scan# 2939

Delta R.T. 0.34 min

Lab File: BG032720.D

Acq: 15 Feb 2018 19:10

Instrument :

BNA_G

ClientSampleId :

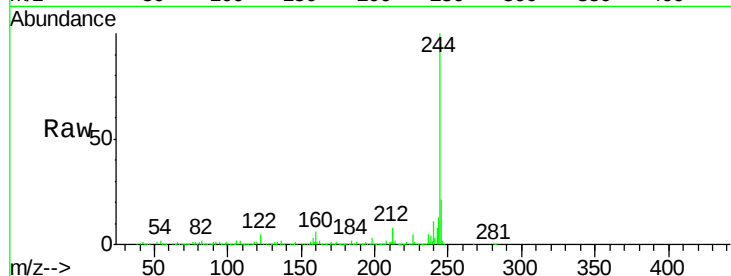
Tot Ion:184 Resp: 20001

Ion Ratio Lower Upper

184 100

185 19.0 11.1 16.7#

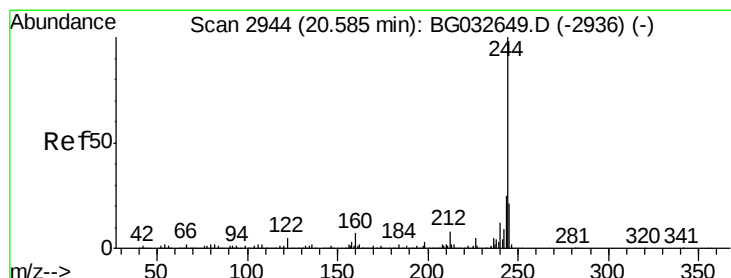
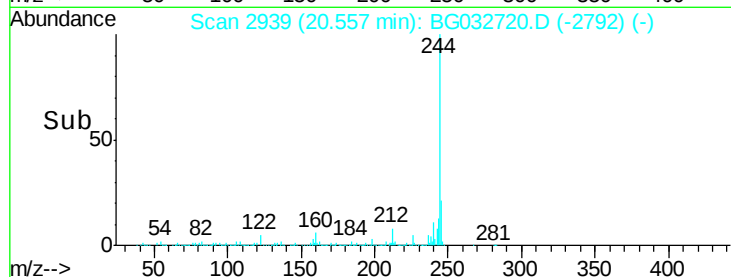
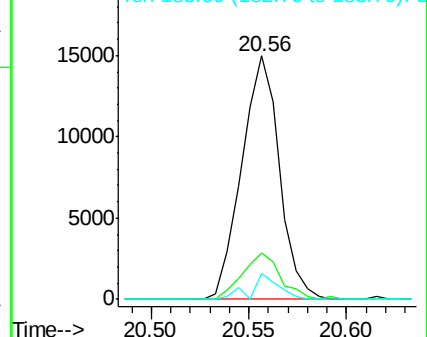
183 10.6 10.6 16.0#



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: 101.59 ng

RT: 20.56 min Scan# 2939

Delta R.T. -0.03 min

Lab File: BG032720.D

Acq: 15 Feb 2018 19:10

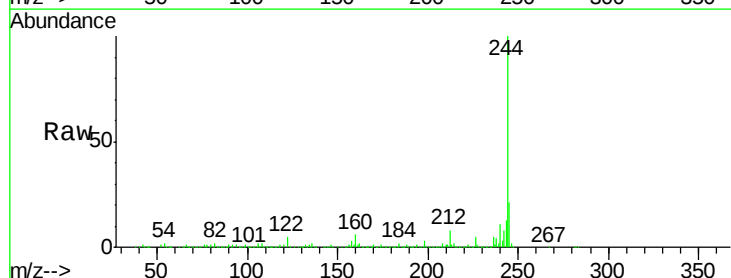
Tgt Ion:244 Resp: 1377993

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

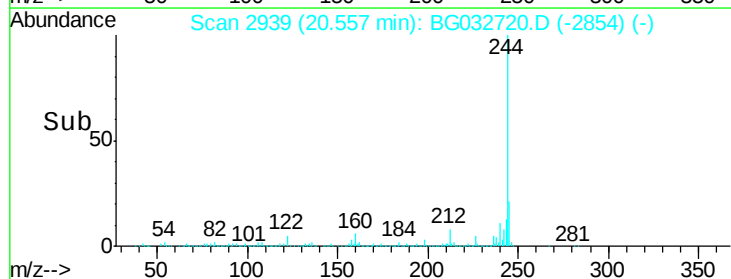
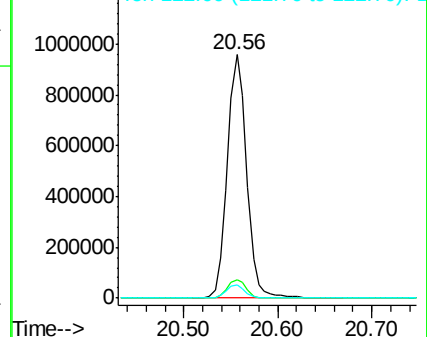
122 5.4 7.0 10.4#

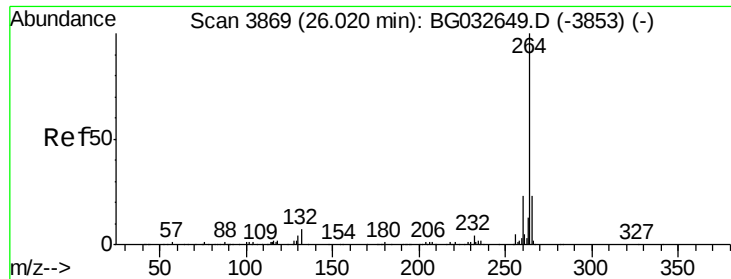


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

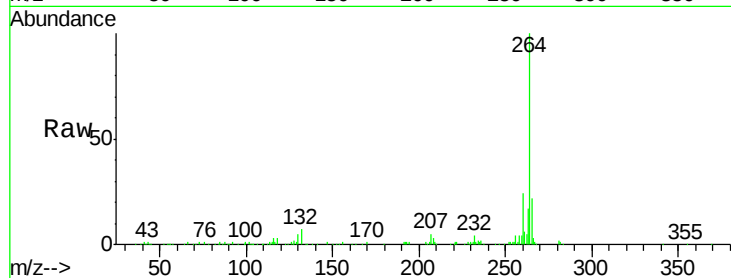




#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.93 min Scan# 3854
Delta R.T. -0.09 min
Lab File: BG032720.D
Acq: 15 Feb 2018 19:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.4	26.0
265	21.6	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

