

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021418\
 Data File : BG032702.D
 Acq On : 15 Feb 2018 5:53
 Operator : SJ/JU
 Sample : J1530-42
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 15 07:25:20 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

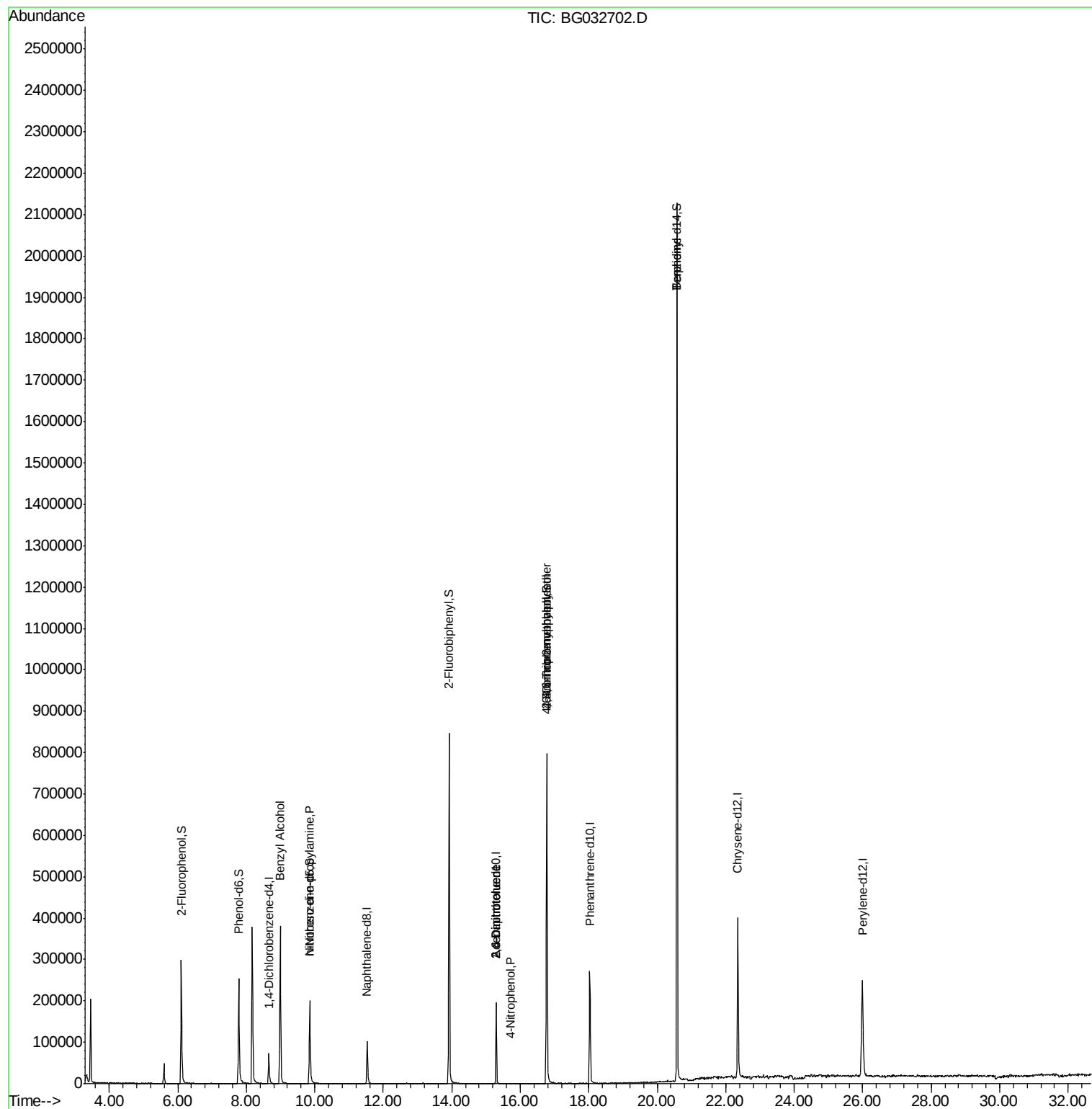
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	27935	20.00	ng	-0.02
21) Naphthalene-d8	11.53	136	107068	20.00	ng	-0.02
38) Acenaphthene-d10	15.29	164	77161	20.00	ng	-0.02
63) Phenanthrene-d10	18.03	188	223613	20.00	ng	-0.02
75) Chrysene-d12	22.35	240	306527	20.00	ng	-0.02
86) Perylene-d12	25.99	264	321915	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.10	112	163371	117.34	ng	-0.01
7) Phenol-d6	7.78	99	171913	90.30	ng	-0.01
23) Nitrobenzene-d5	9.86	82	144680	85.88	ng	-0.02
41) 2,4,6-Tribromophenol	16.78	330	206180	173.54	ng	-0.01
44) 2-Fluorobiphenyl	13.92	172	524064	84.93	ng	-0.01
78) Terphenyl-d14	20.58	244	1172746	87.20	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.99	79	3245	2.27	ng	# 45
19) n-Nitroso-di-n-propylamine	9.85	70	20956	16.37	ng	# 69
50) 2,6-Dinitrotoluene	15.29	165	10194	7.42	ng	# 20
55) 4-Nitrophenol	15.73	139	54	5.54	ng	# 1
56) 2,4-Dinitrotoluene	15.29	165	10194	5.39	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.77	198	506	5.30	ng	# 56
66) 4-Bromophenyl-phenylether	16.78	248	17057	5.33	ng	# 1
76) Benzidine	20.58	184	16962	2.35	ng	98

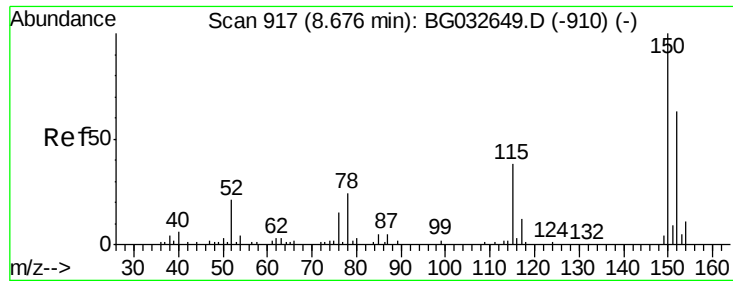
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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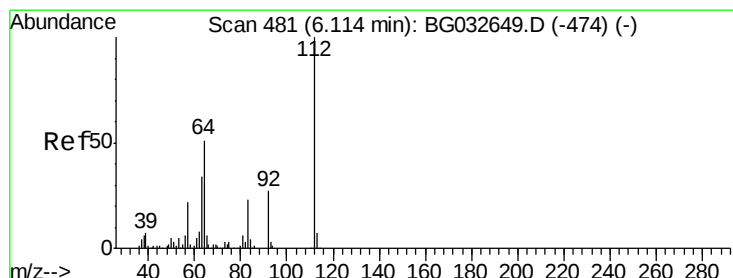
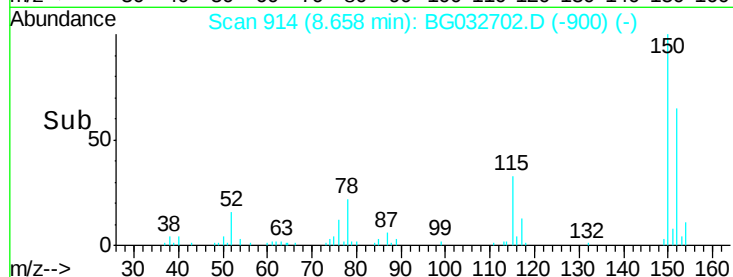
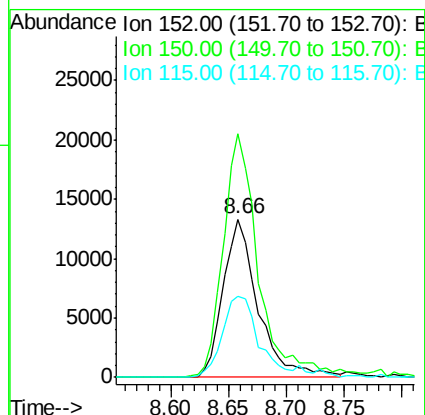
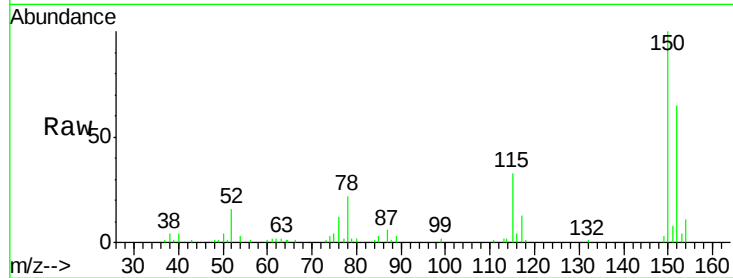


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.66 min Scan# 914
Delta R.T. -0.02 min
Lab File: BG032702.D
Acq: 15 Feb 2018 5:53

Instrument :
BNA_G
ClientSampleId :

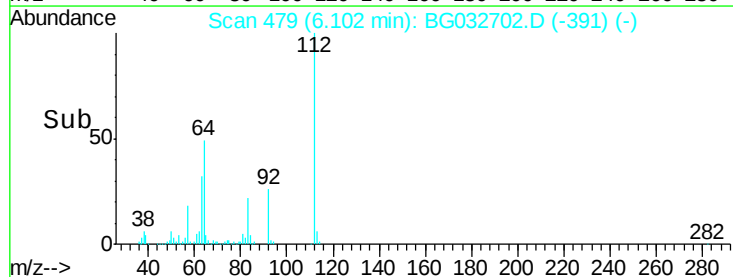
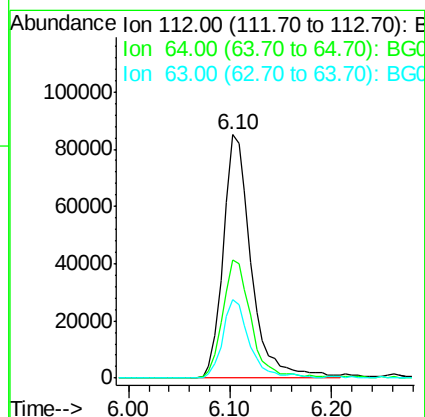
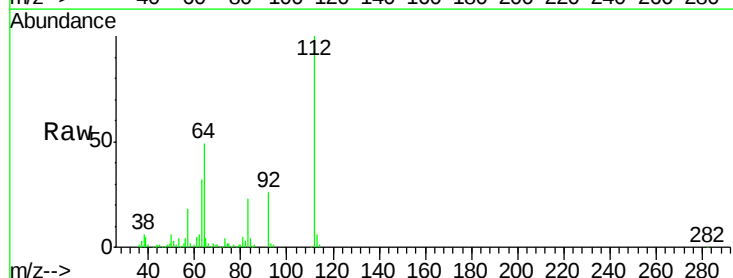
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	126.6	189.8
115	51.2	53.0	79.4

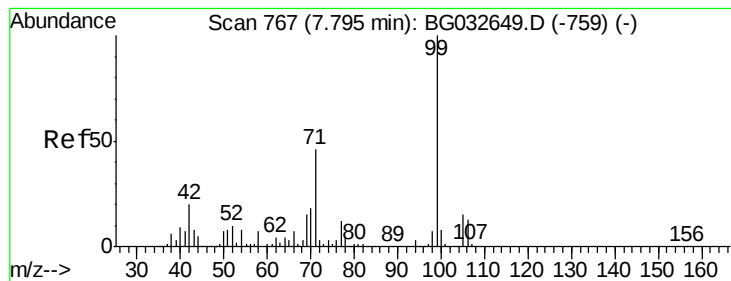


#5

2-Fluorophenol
Concen: 117.34 ng
RT: 6.10 min Scan# 479
Delta R.T. -0.01 min
Lab File: BG032702.D
Acq: 15 Feb 2018 5:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.6	56.3	84.5
63	32.4	30.1	45.1





#7

Phenol-d6

Concen: 90.30 ng

RT: 7.78 min Scan# 765

Delta R.T. -0.01 min

Lab File: BG032702.D

Acq: 15 Feb 2018 5:53

Instrument :

BNA_G

ClientSampleId :

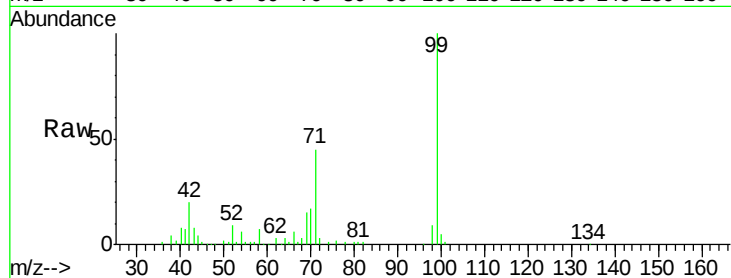
Tot Ion: 99 Resp: 171913

Ion Ratio Lower Upper

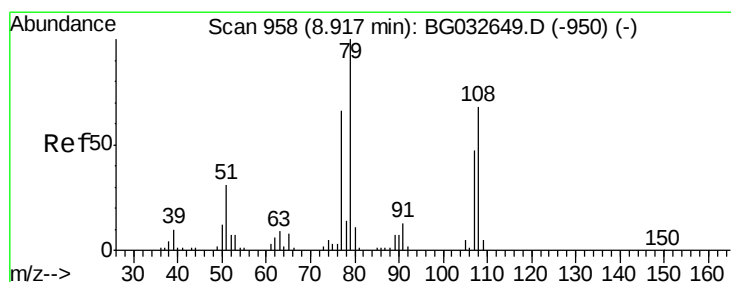
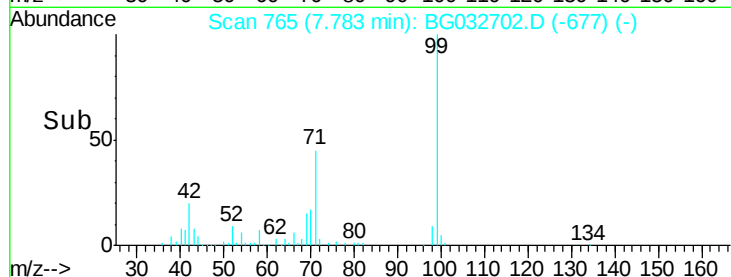
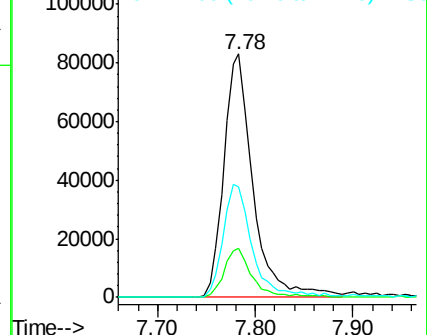
99 100

42 20.2 14.1 21.1

71 45.3 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: 2.27 ng

RT: 8.99 min Scan# 970

Delta R.T. 0.07 min

Lab File: BG032702.D

Acq: 15 Feb 2018 5:53

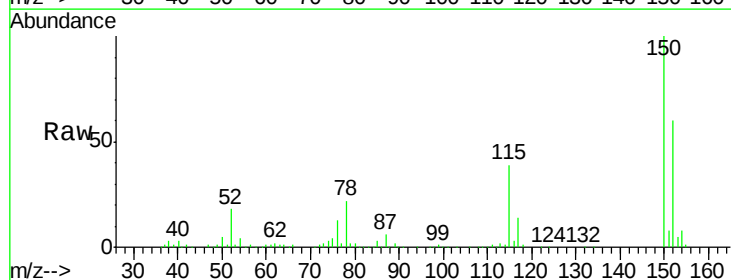
Tgt Ion: 79 Resp: 3245

Ion Ratio Lower Upper

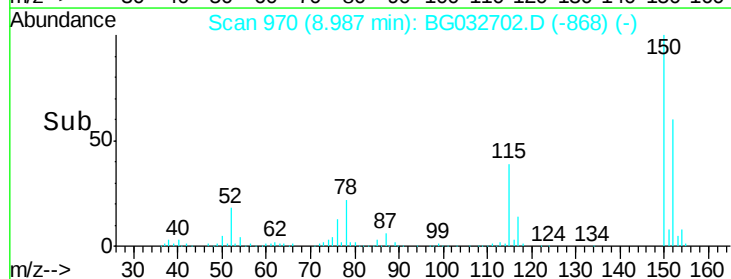
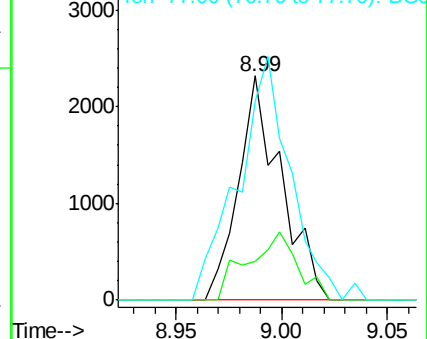
79 100

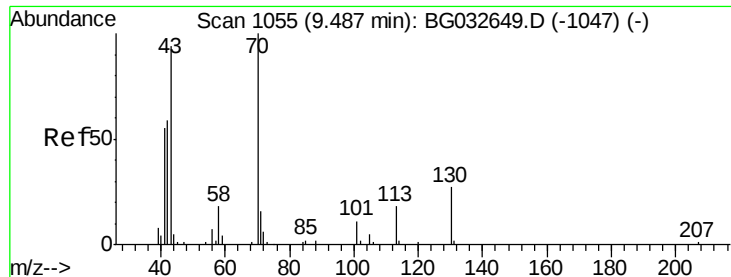
108 17.1 57.2 85.8#

77 88.9 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

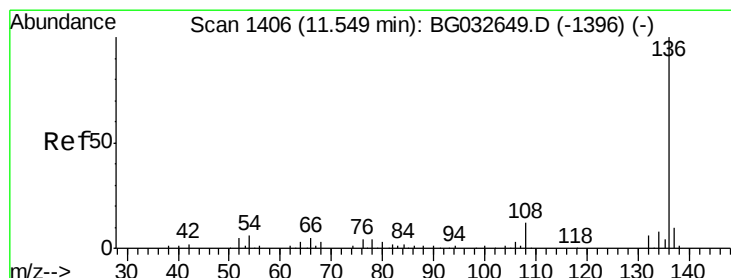
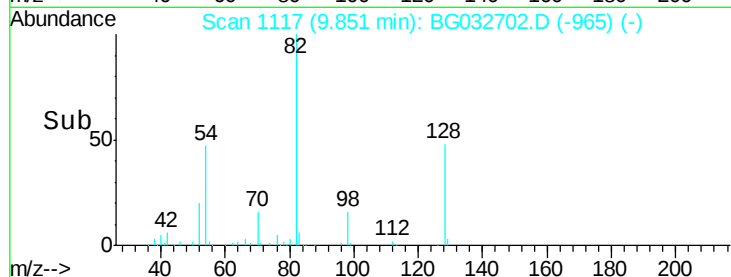
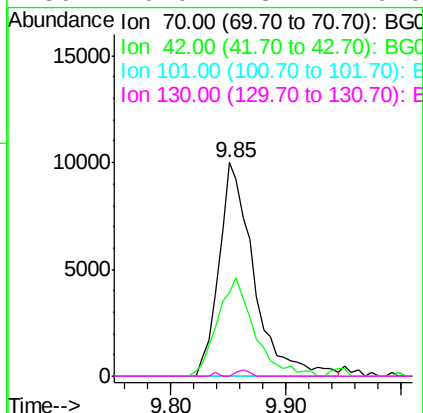
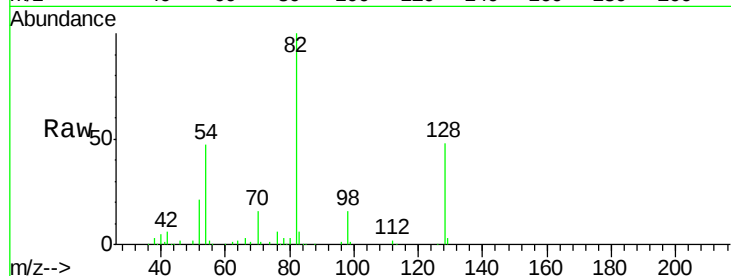




#19
n-Nitroso-di-n-propylamine
Concen: 16.37 ng
RT: 9.85 min Scan# 1117
Delta R.T. 0.36 min
Lab File: BG032702.D
Acq: 15 Feb 2018 5:53

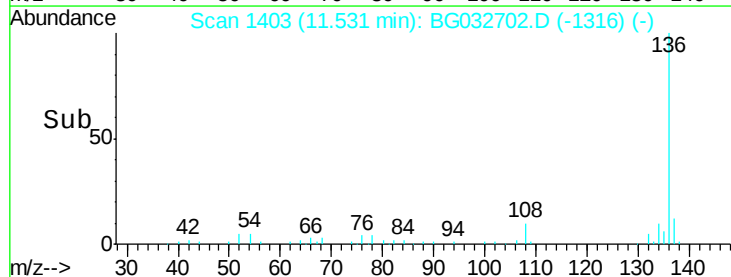
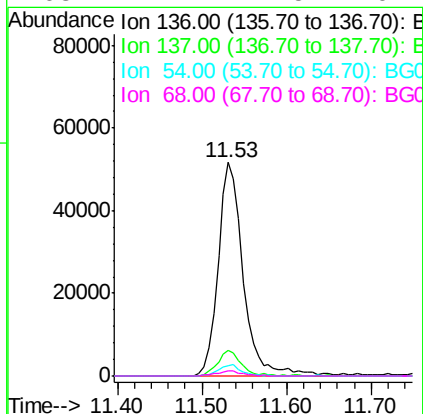
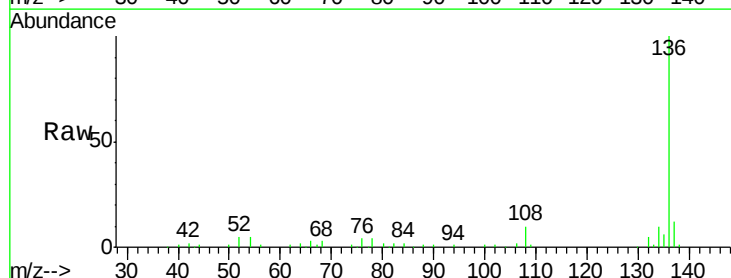
Instrument :
BNA_G
ClientSampleId :

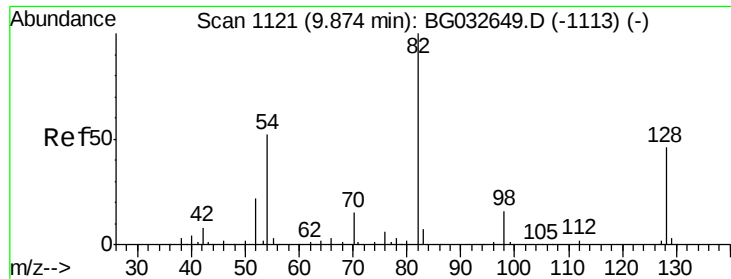
Tot Ion	Ratio	Lower	Upper
70	100		
42	39.2	49.1	73.7#
101	0.0	8.5	12.7#
130	0.0	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.53 min Scan# 1403
Delta R.T. -0.02 min
Lab File: BG032702.D
Acq: 15 Feb 2018 5:53

Tgt Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.2	13.8
54	4.8	10.3	15.5#
68	2.7	4.5	6.7#

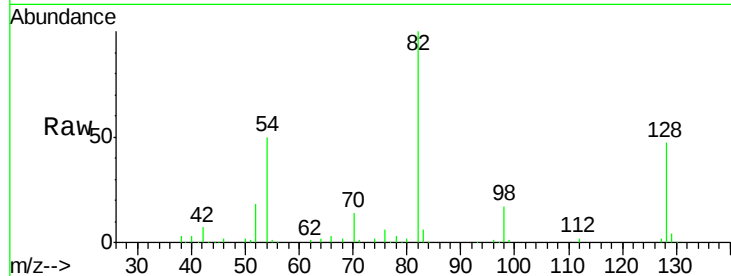




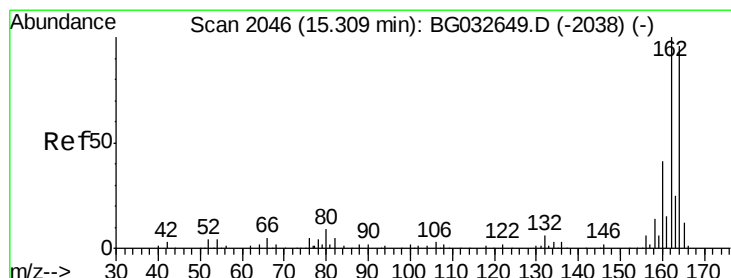
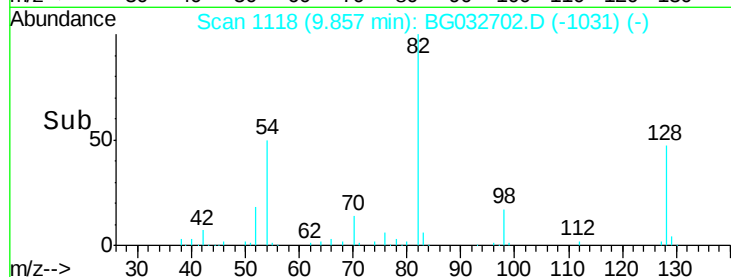
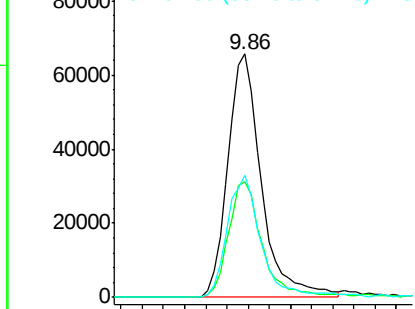
#23
 Nitrobenzene-d5
 Concen: 85.88 ng
 RT: 9.86 min Scan# 1118
 Delta R.T. -0.02 min
 Lab File: BG032702.D
 Acq: 15 Feb 2018 5:53

Instrument :
 BNA_G
 ClientSampled :

Tot Ion: 82 Resp: 144680
 Ion Ratio Lower Upper
 82 100
 128 47.4 29.7 44.5#
 54 50.0 43.1 64.7

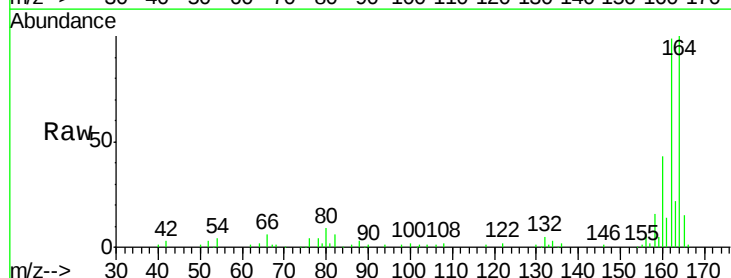


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

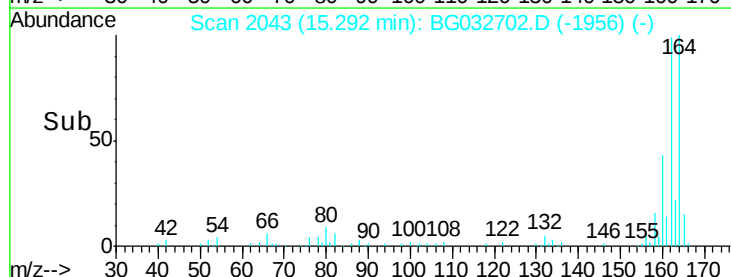
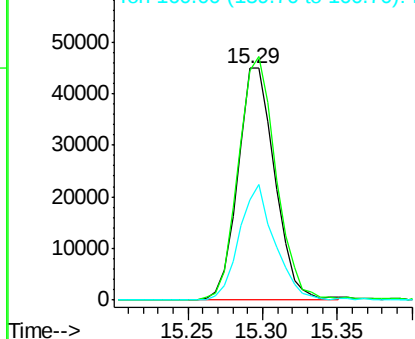


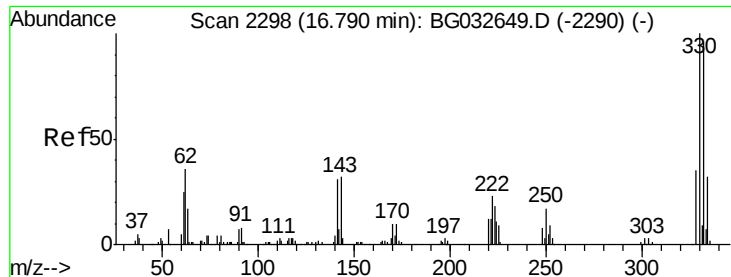
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.29 min Scan# 2043
 Delta R.T. -0.02 min
 Lab File: BG032702.D
 Acq: 15 Feb 2018 5:53

Tgt Ion:164 Resp: 77161
 Ion Ratio Lower Upper
 164 100
 162 99.2 78.8 118.2
 160 43.4 35.4 53.0



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

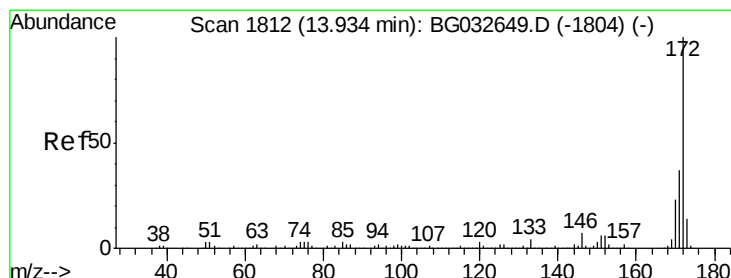
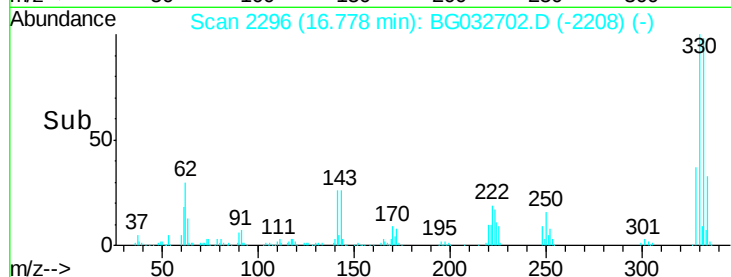
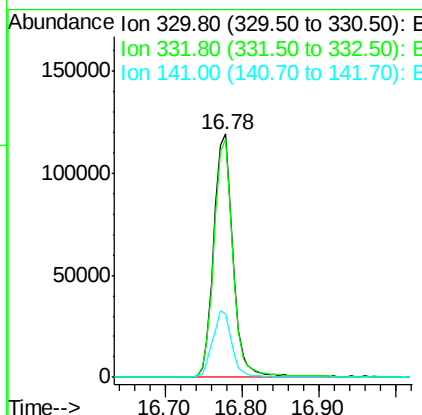
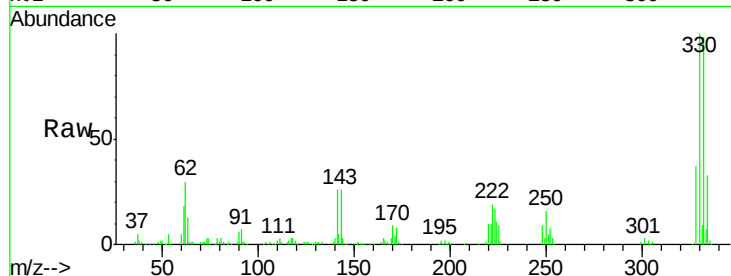




#41
 2,4,6-Tribromophenol
 Concen: 173.54 ng
 RT: 16.78 min Scan# 2296
 Delta R.T. -0.01 min
 Lab File: BG032702.D
 Acq: 15 Feb 2018 5:53

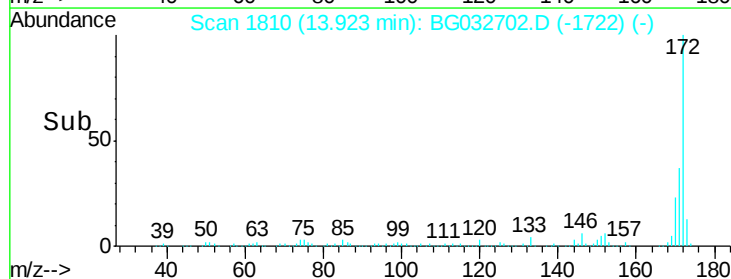
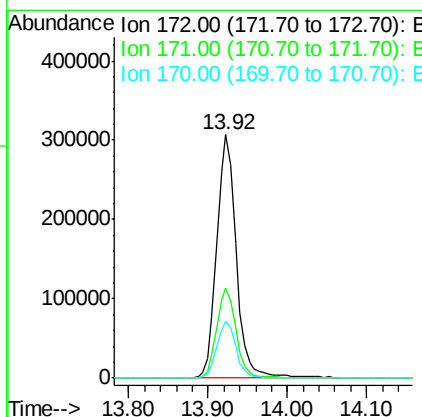
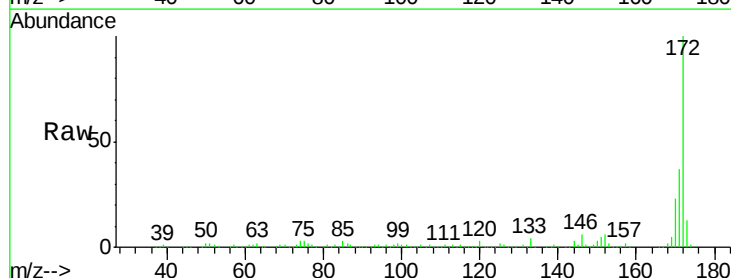
Instrument :
 BNA_G
 ClientSampleId :

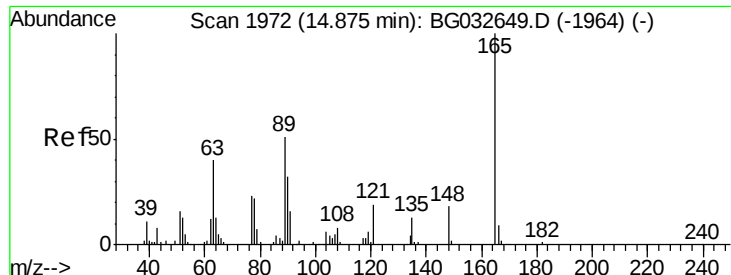
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	27.0	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 84.93 ng
 RT: 13.92 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: BG032702.D
 Acq: 15 Feb 2018 5:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.0	45.0
170	23.4	19.5	29.3

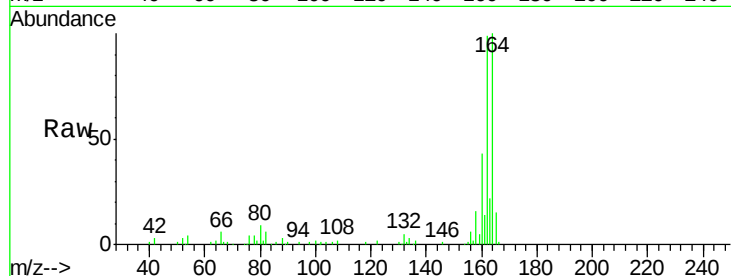




#50
2,6-Dinitrotoluene
Concen: 7.42 ng
RT: 15.29 min Scan# 2043
Delta R.T. 0.42 min
Lab File: BG032702.D
Acq: 15 Feb 2018 5:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	2.8	49.2	73.8#



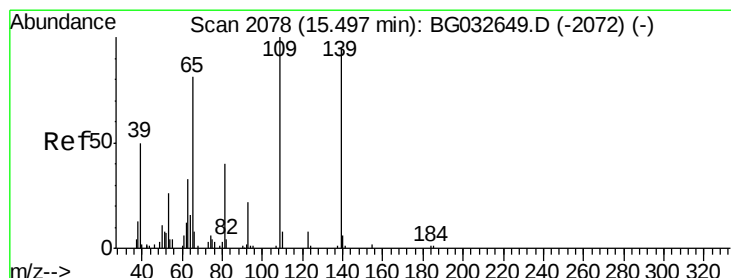
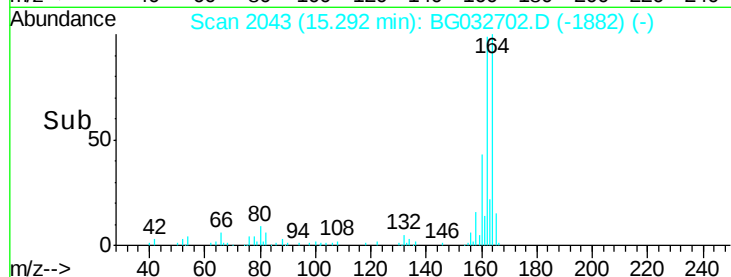
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

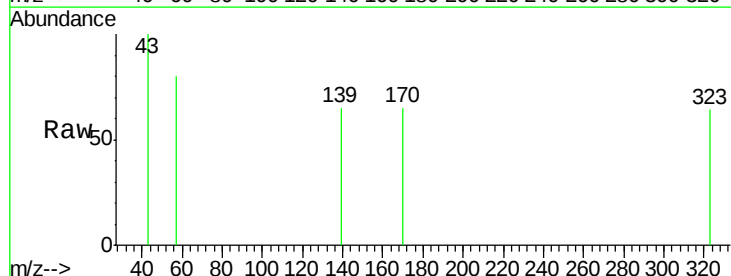
15.29

Time-->



#55
4-Nitrophenol
Concen: 5.54 ng
RT: 15.73 min Scan# 2118
Delta R.T. 0.24 min
Lab File: BG032702.D
Acq: 15 Feb 2018 5:53

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	62.2	102.2#
65	0.0	97.2	137.2#



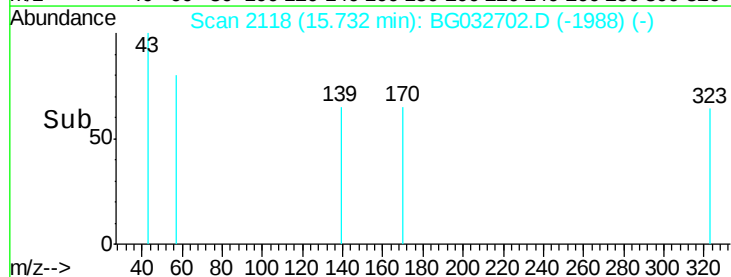
Abundance Ion 139.00 (138.70 to 139.70): E

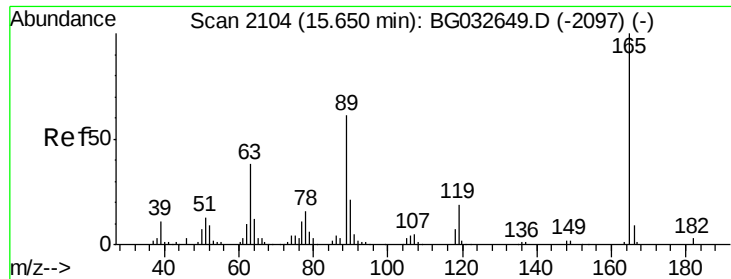
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

15.73

Time-->

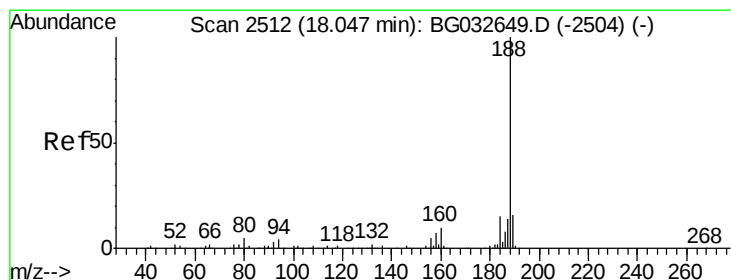
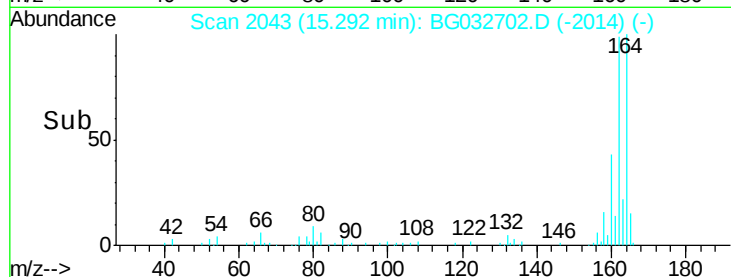
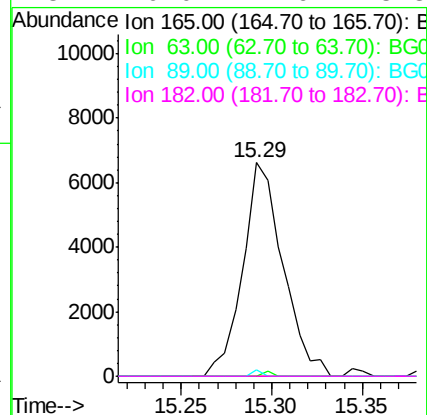
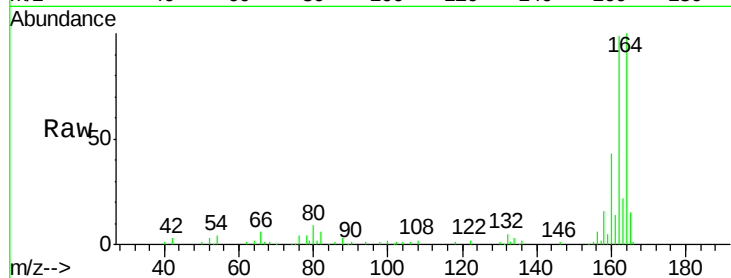




#56
2,4-Dinitrotoluene
Concen: 5.39 ng
RT: 15.29 min Scan# 2043
Delta R.T. -0.36 min
Lab File: BG032702.D
Acq: 15 Feb 2018 5:53

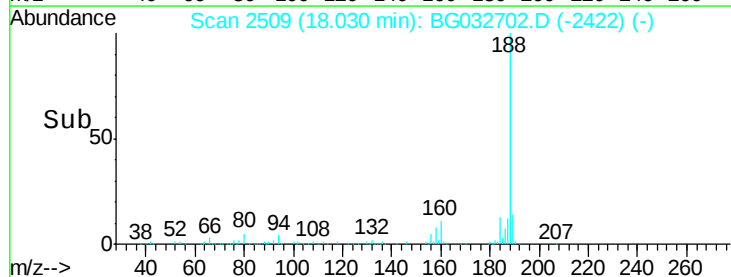
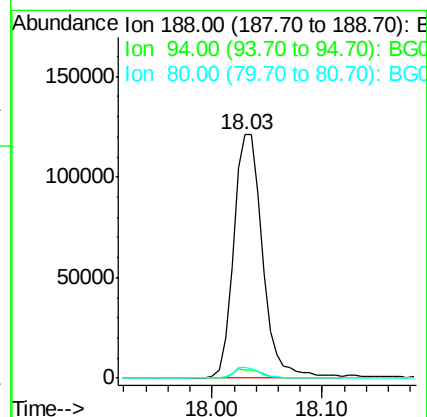
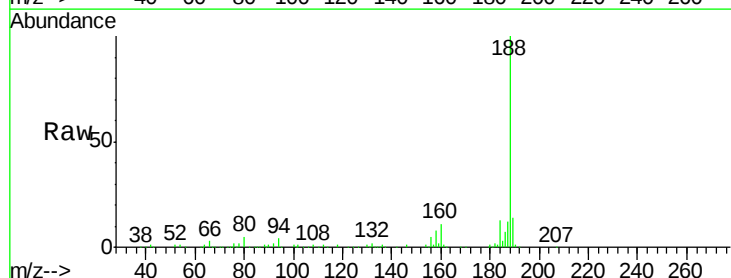
Instrument :
BNA_G
ClientSampleId :

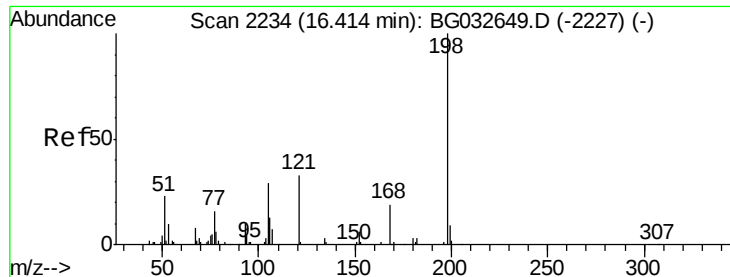
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	2.8	66.9	100.3#
182	0.0	2.6	3.8#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.03 min Scan# 2509
Delta R.T. -0.02 min
Lab File: BG032702.D
Acq: 15 Feb 2018 5:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	3.5	6.9	10.3#
80	4.6	7.7	11.5#





#64

4,6-Dinitro-2-methylphenol

Concen: 5.30 ng

RT: 16.77 min Scan# 2294

Delta R.T. 0.35 min

Lab File: BG032702.D

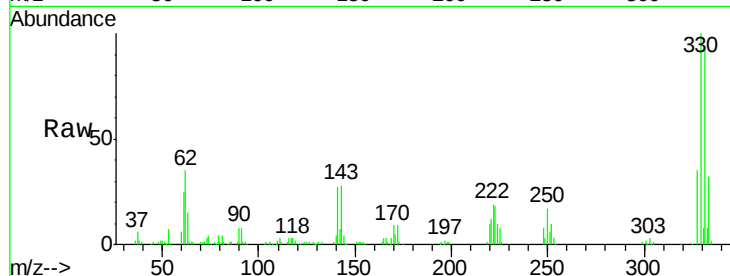
Acq: 15 Feb 2018 5:53

Instrument :

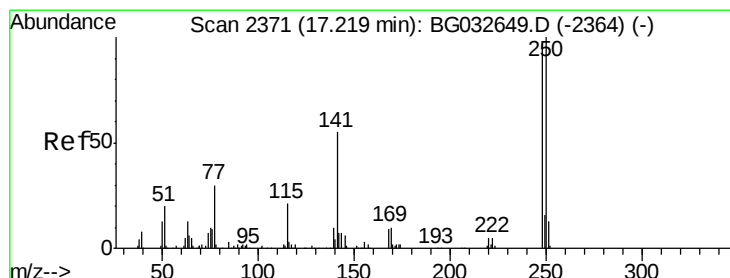
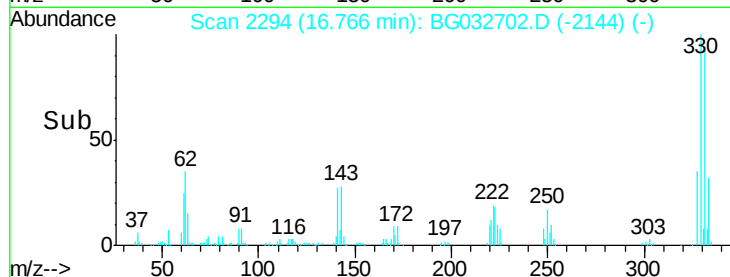
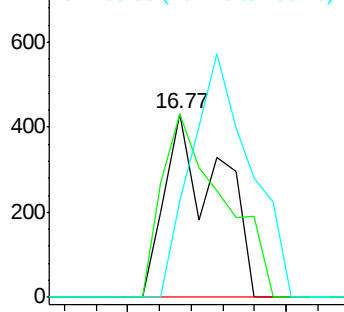
BNA_G

ClientSampleId :

Tot Ion:	198	Resp:	506
Ion	Ratio	Lower	Upper
198	100		
51	99.8	30.6	70.6#
105	52.8	23.8	63.8



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG0
Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 5.33 ng

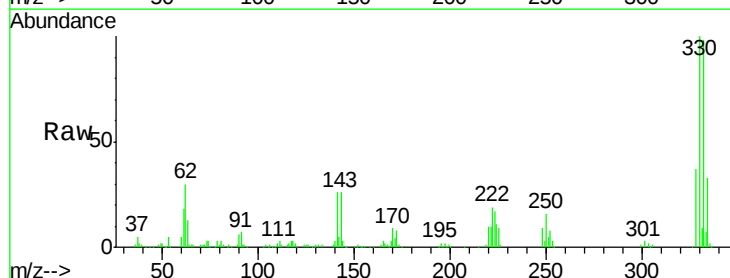
RT: 16.78 min Scan# 2296

Delta R.T. -0.44 min

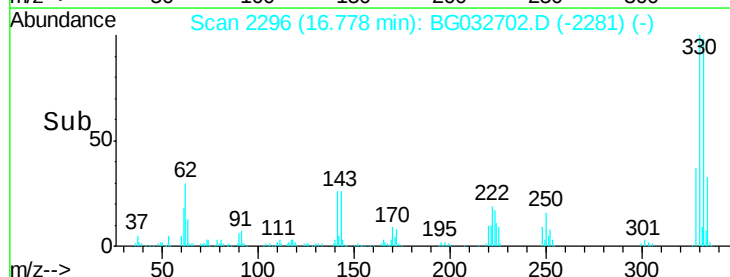
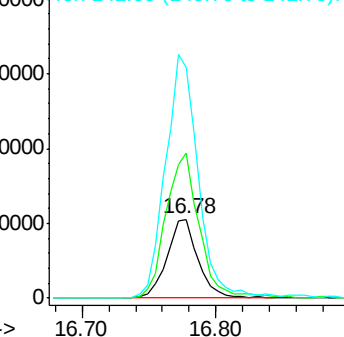
Lab File: BG032702.D

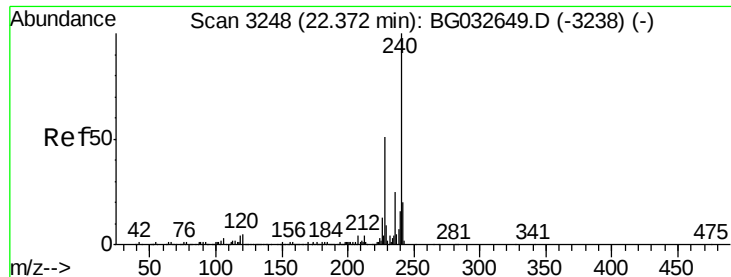
Acq: 15 Feb 2018 5:53

Tgt Ion:	248	Resp:	17057
Ion	Ratio	Lower	Upper
248	100		
250	185.0	77.1	115.7#
141	294.3	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: 20.00 ng

RT: 22.35 min Scan# 3245

Delta R.T. -0.02 min

Lab File: BG032702.D

Acq: 15 Feb 2018 5:53

Instrument :

BNA_G

ClientSampleId :

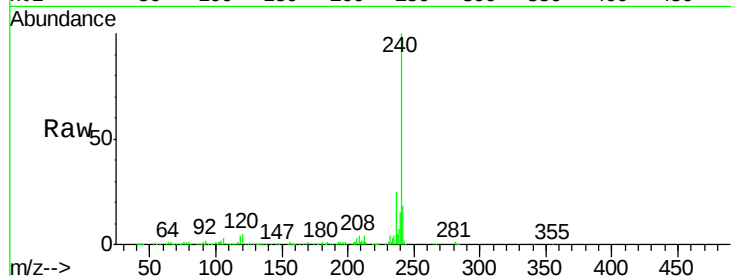
Tot Ion:240 Resp: 306527

Ion Ratio Lower Upper

240 100

120 4.8 6.8 10.2#

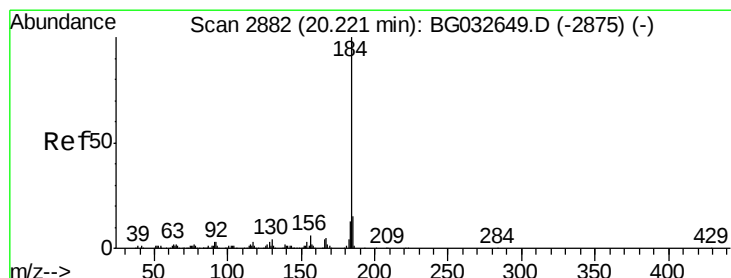
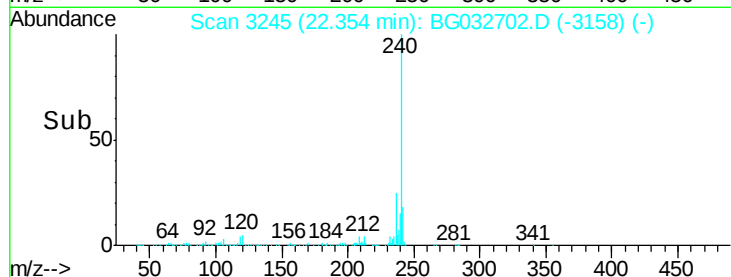
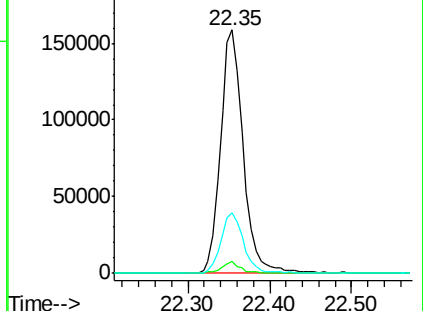
236 24.7 20.9 31.3



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: 2.35 ng

RT: 20.58 min Scan# 2943

Delta R.T. 0.36 min

Lab File: BG032702.D

Acq: 15 Feb 2018 5:53

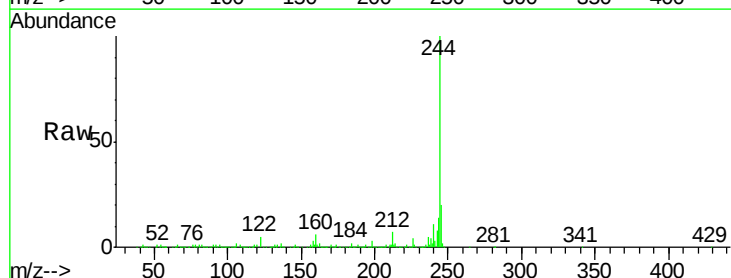
Tgt Ion:184 Resp: 16962

Ion Ratio Lower Upper

184 100

185 14.8 11.1 16.7

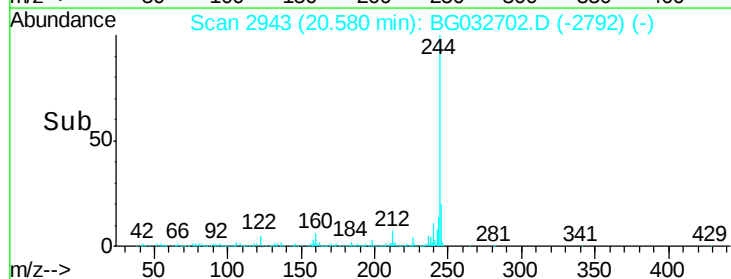
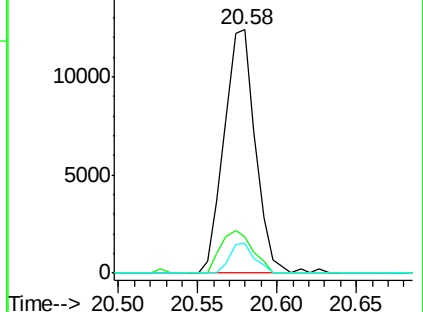
183 12.5 10.6 16.0

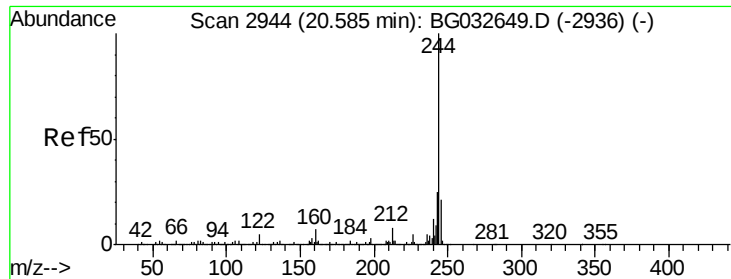


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

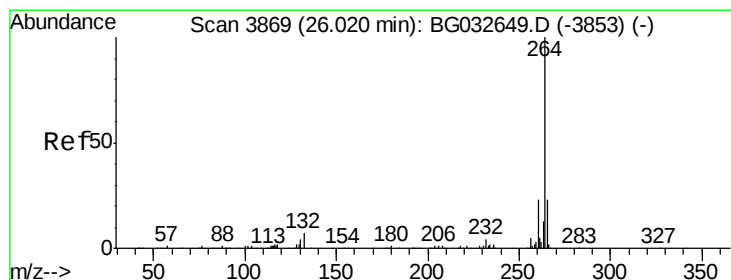
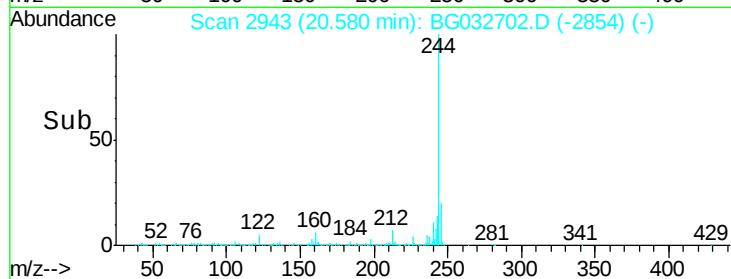
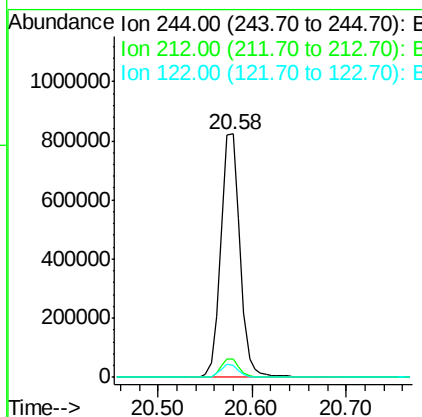
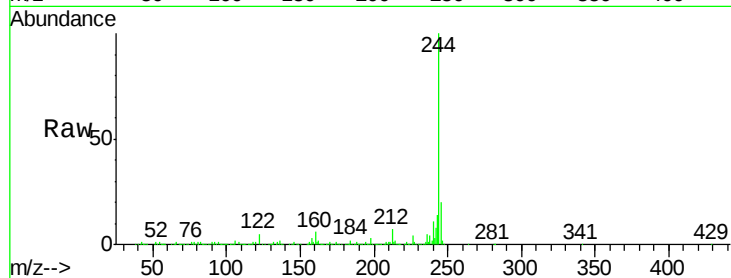




#78
 Terphenyl-d14
 Concen: 87.20 ng
 RT: 20.58 min Scan# 2943
 Delta R.T. -0.01 min
 Lab File: BG032702.D
 Acq: 15 Feb 2018 5:53

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1172746
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.8 8.8
 122 4.9 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.99 min Scan# 3864
 Delta R.T. -0.03 min
 Lab File: BG032702.D
 Acq: 15 Feb 2018 5:53

Tgt Ion:264 Resp: 321915
 Ion Ratio Lower Upper
 264 100
 260 24.4 17.4 26.0
 265 22.4 17.7 26.5

