

Data Path : U:\HPCHEM1\BNA G\DATA\BG011118\
 Data File : BG031994.D
 Acq On : 11 Jan 2018 21:24
 Operator : SJ/JU
 Sample : J1082-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 12 04:13:39 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 15:23:30 2018
 Response via : Initial Calibration

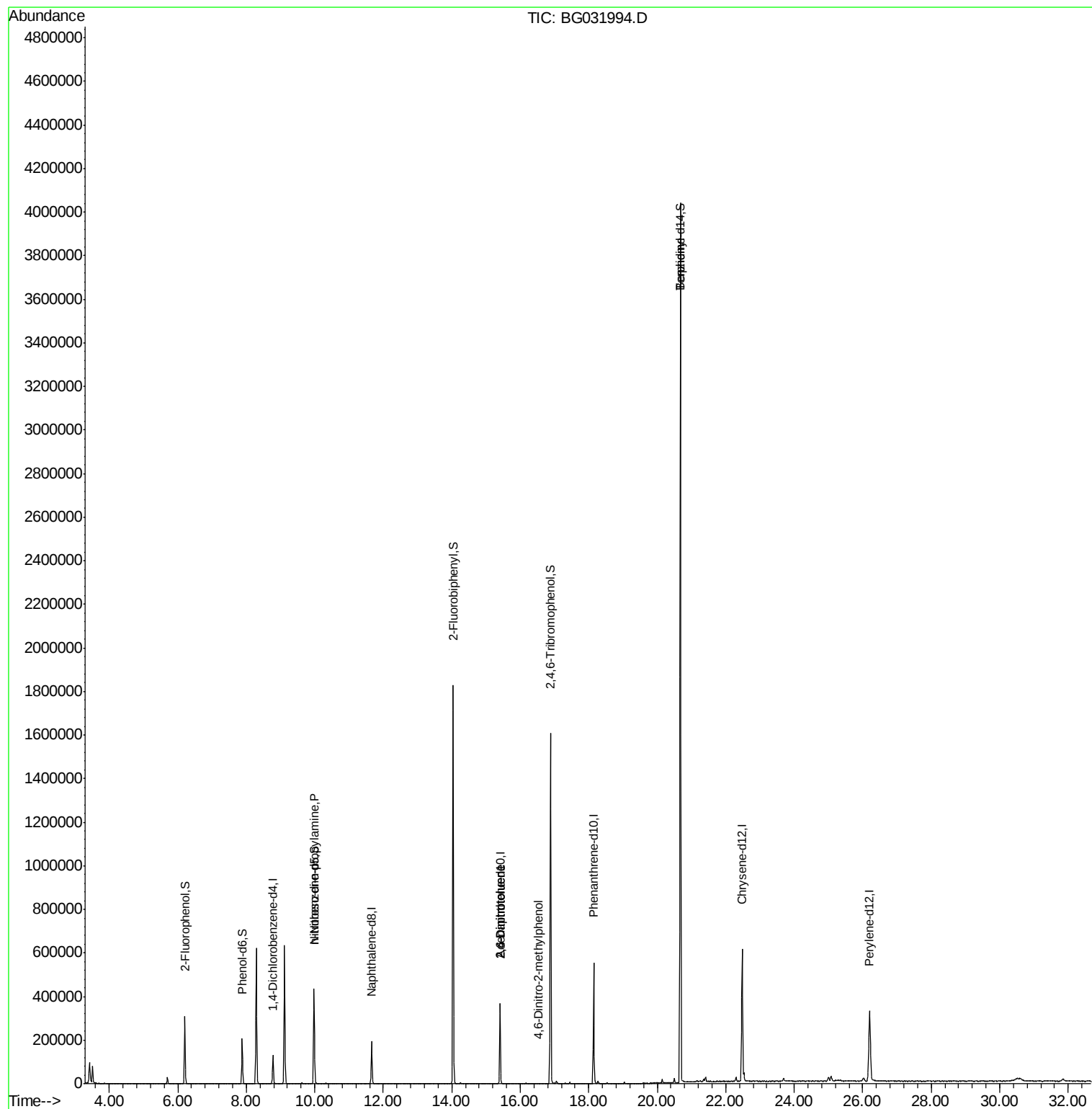
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	45314	20.00	ng	0.00
21) Naphthalene-d8	11.66	136	190689	20.00	ng	0.00
38) Acenaphthene-d10	15.41	164	142670	20.00	ng	0.00
63) Phenanthrene-d10	18.14	188	385144	20.00	ng	0.00
75) Chrysene-d12	22.48	240	455135	20.00	ng	0.00
86) Perylene-d12	26.20	264	458789	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.21	112	176275	70.85	ng	0.00
7) Phenol-d6	7.88	99	142861	44.23	ng	0.00
23) Nitrobenzene-d5	9.98	82	294045	116.44	ng	0.00
41) 2,4,6-Tribromophenol	16.88	330	383430	176.13	ng	0.00
44) 2-Fluorobiphenyl	14.04	172	1102870	97.02	ng	0.00
78) Terphenyl-d14	20.67	244	2106768	105.75	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.97	70	39754	18.021	ng	# 77
50) 2,6-Dinitrotoluene	15.41	165	18848	8.152	ng	# 18
56) 2,4-Dinitrotoluene	15.41	165	18848	6.339	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.52	198	57	8.331	ng	# 29
76) Benzidine	20.67	184	28665	2.041	ng	# 93

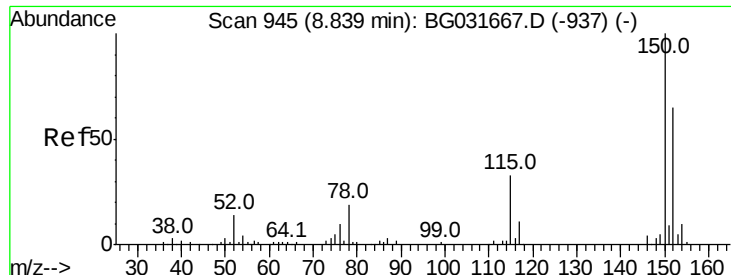
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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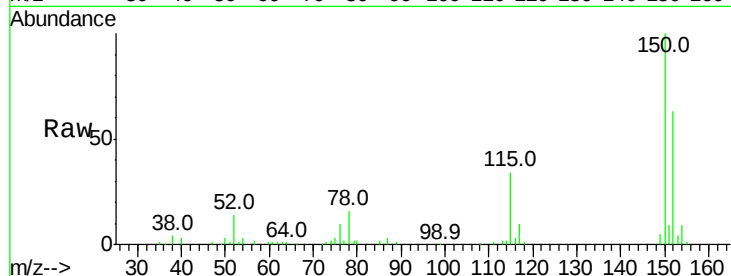


#1

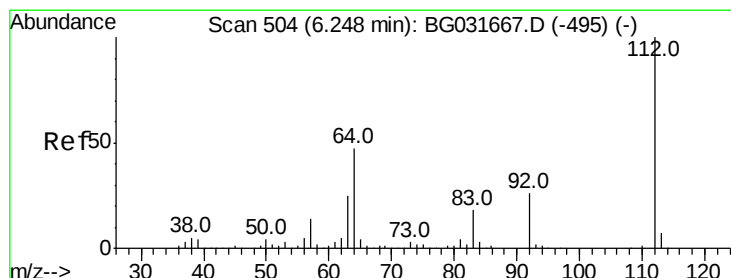
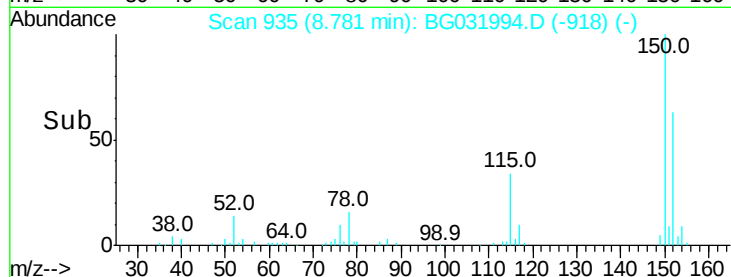
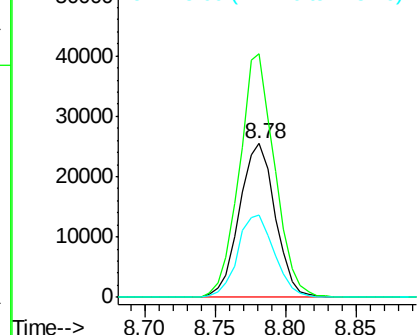
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.78 min Scan# 935
Delta R.T. -0.00 min
Lab File: BG031994.D
Acq: 11 Jan 2018 21:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 45314
Ion Ratio Lower Upper
152 100
150 158.7 126.6 189.8
115 53.5 53.0 79.4



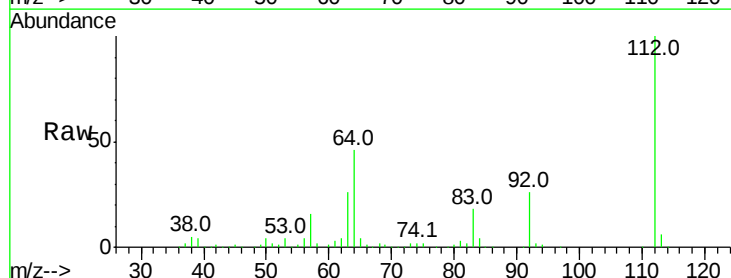
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



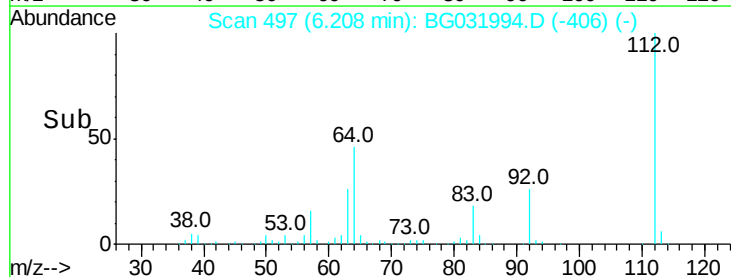
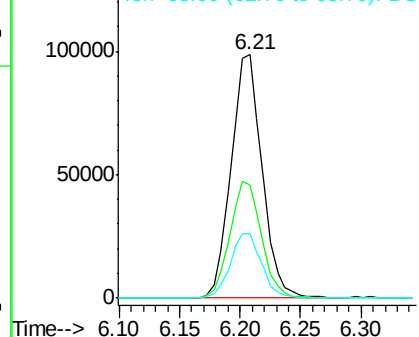
#5

2-Fluorophenol
Concen: 70.853 ng
RT: 6.21 min Scan# 497
Delta R.T. 0.00 min
Lab File: BG031994.D
Acq: 11 Jan 2018 21:24

Tgt Ion:112 Resp: 176275
Ion Ratio Lower Upper
112 100
64 46.4 56.3 84.5#
63 26.3 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 44.228 ng

RT: 7.88 min Scan# 782

Delta R.T. -0.00 min

Lab File: BG031994.D

Acq: 11 Jan 2018 21:24

Instrument :

BNA_G

ClientSampled :

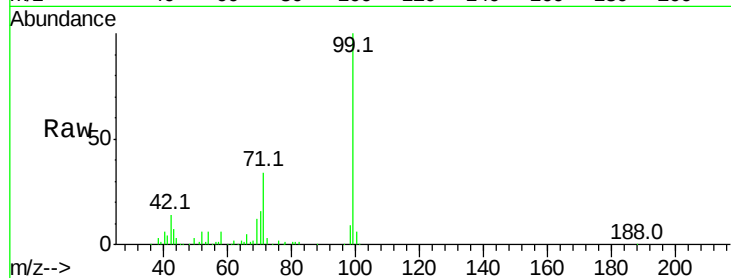
Tot Ion: 99 Resp: 142861

Ion Ratio Lower Upper

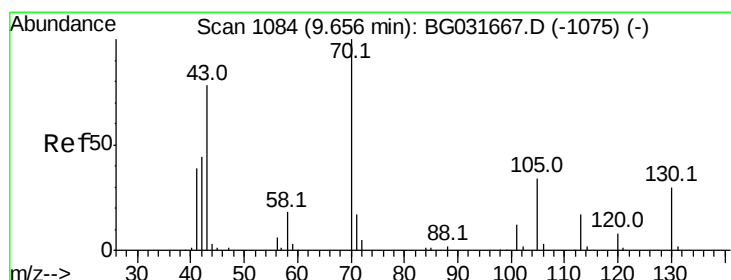
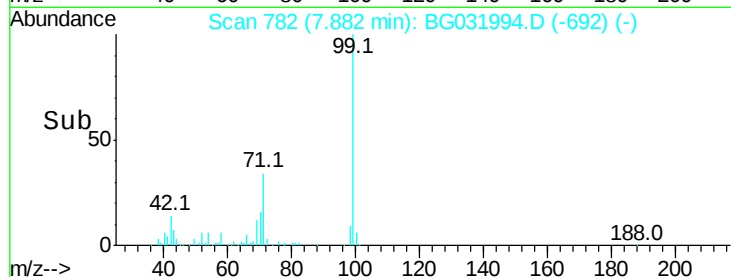
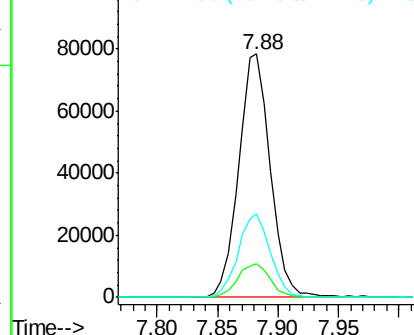
99 100

42 13.7 14.1 21.1#

71 34.2 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



#19

n-Nitroso-di-n-propylamine

Concen: 18.021 ng

RT: 9.97 min Scan# 1138

Delta R.T. 0.38 min

Lab File: BG031994.D

Acq: 11 Jan 2018 21:24

Tgt Ion: 70 Resp: 39754

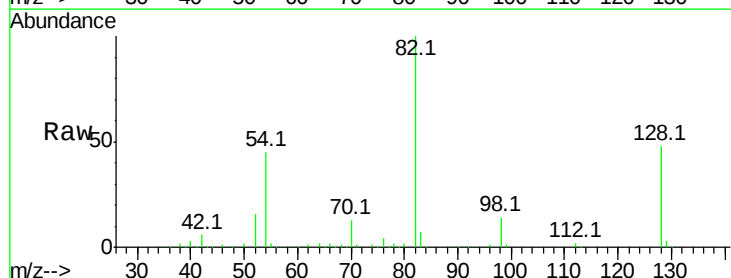
Ion Ratio Lower Upper

70 100

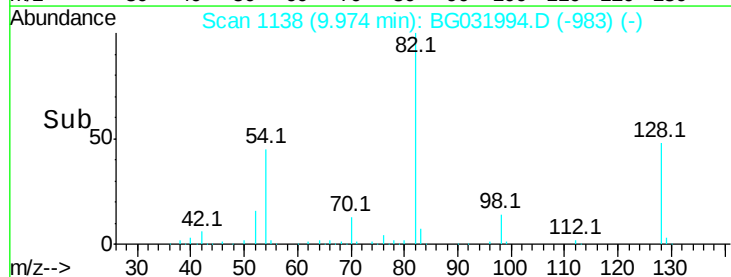
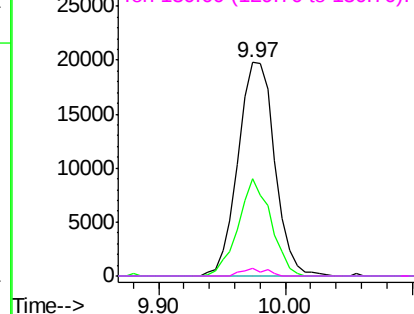
42 45.4 49.1 73.7#

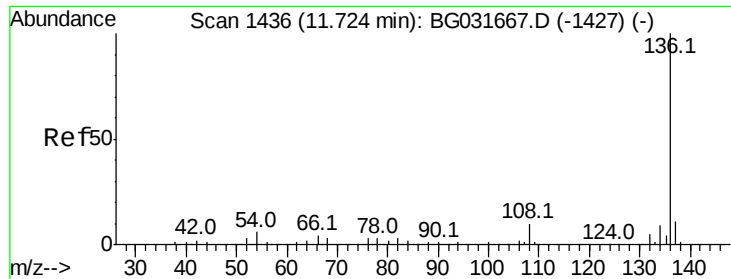
101 0.0 8.5 12.7#

130 3.8 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

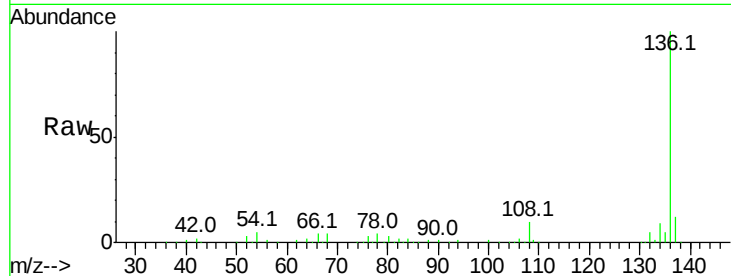




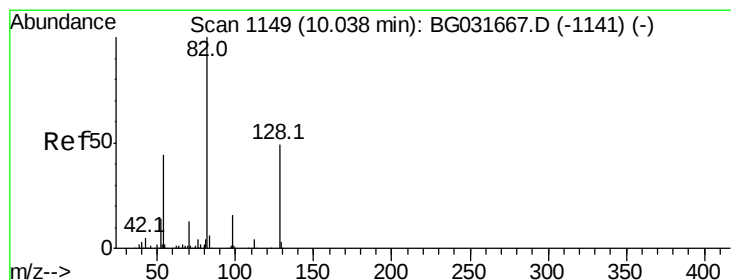
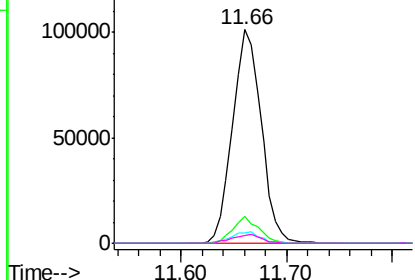
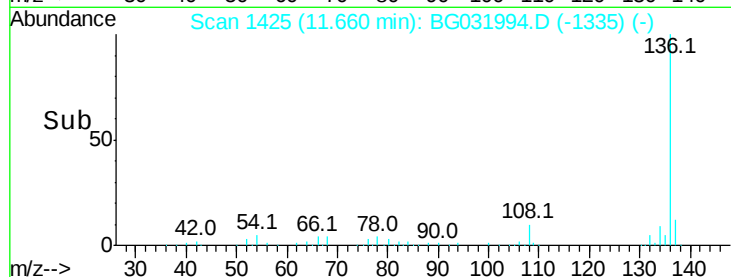
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.66 min Scan# 1425
Delta R.T. -0.00 min
Lab File: BG031994.D
Acq: 11 Jan 2018 21:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	190689
Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.2	13.8
54	5.0	10.3	15.5#
68	3.6	4.5	6.7#

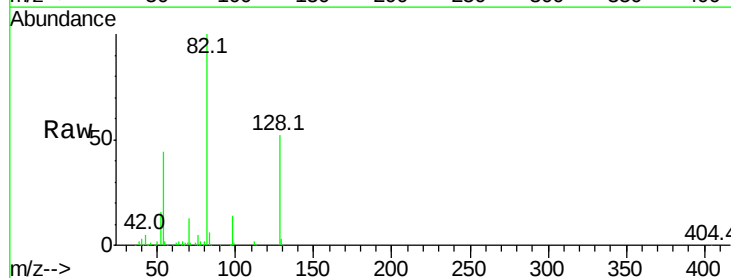


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

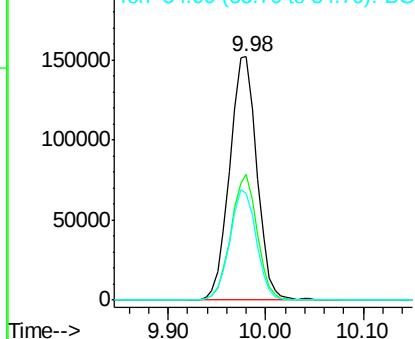
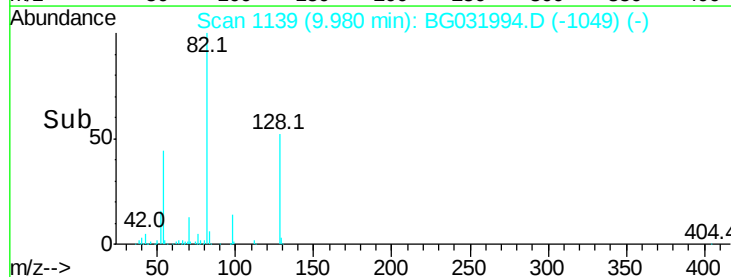


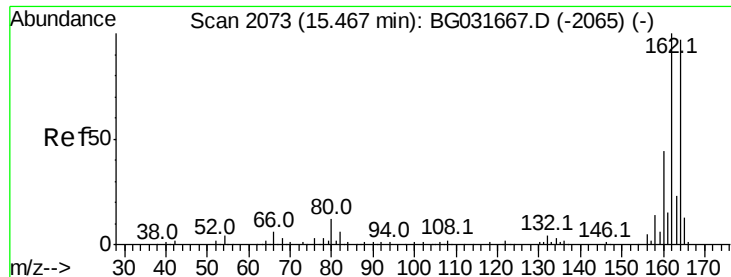
#23
Nitrobenzene-d5
Concen: 116.441 ng
RT: 9.98 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BG031994.D
Acq: 11 Jan 2018 21:24

Tgt Ion:	82	Resp:	294045
Ion	Ratio	Lower	Upper
82	100		
128	51.7	29.7	44.5#
54	43.9	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

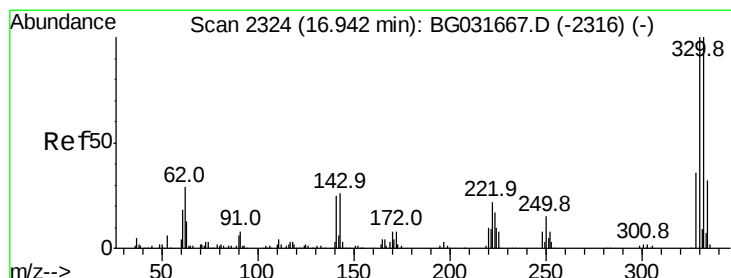
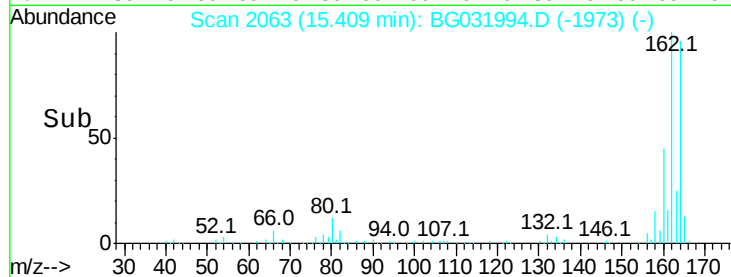
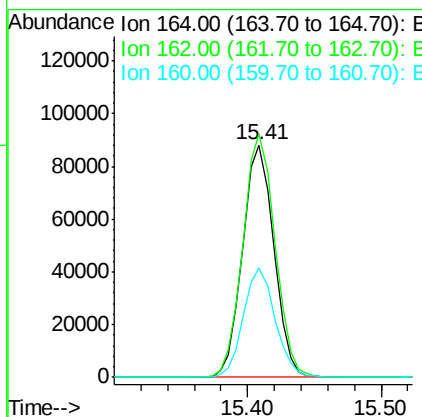
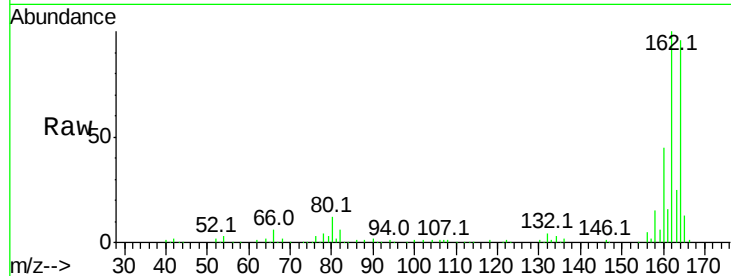




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: BG031994.D
 Acq: 11 Jan 2018 21:24

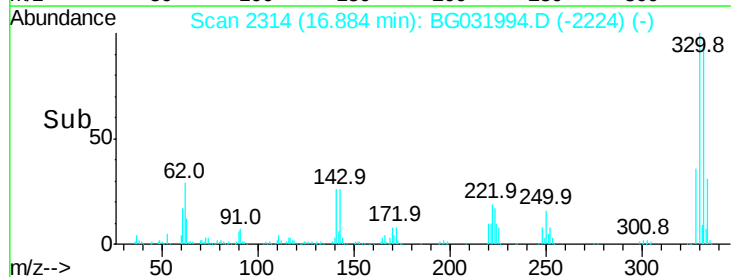
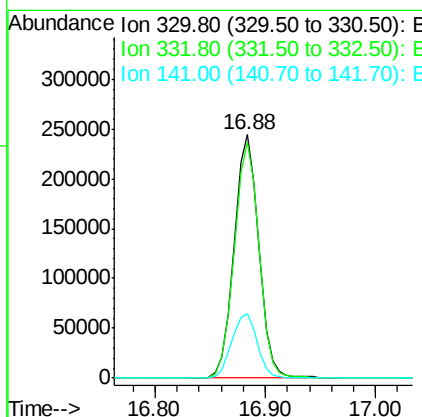
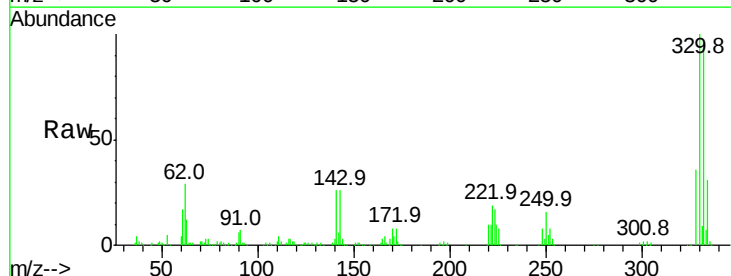
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:164 Resp: 142670
 Ion Ratio Lower Upper
 164 100
 162 104.7 78.8 118.2
 160 46.7 35.4 53.0



#41
 2,4,6-Tribromophenol
 Concen: 176.132 ng
 RT: 16.88 min Scan# 2314
 Delta R.T. -0.00 min
 Lab File: BG031994.D
 Acq: 11 Jan 2018 21:24

Tgt Ion:330 Resp: 383430
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.0 115.6
 141 27.4 25.2 37.8

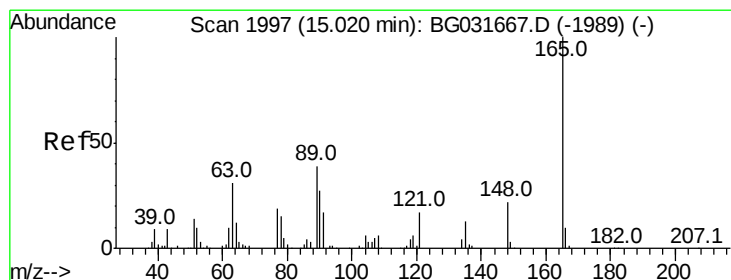
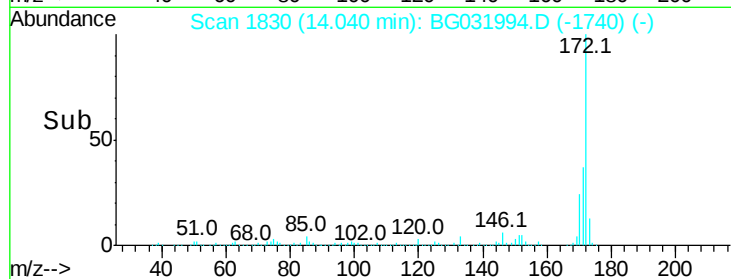
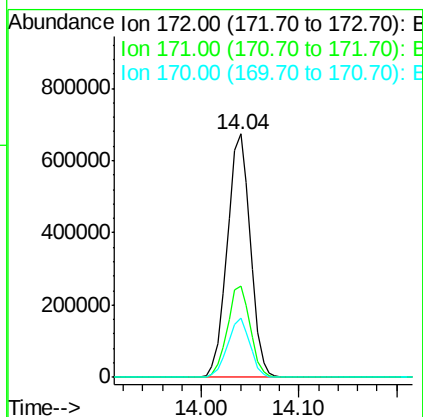
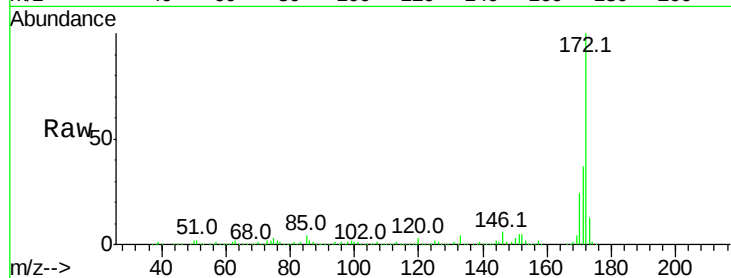




#44
2-Fluorobiphenyl
Concen: 97.025 ng
RT: 14.04 min Scan# 1830
Delta R.T. -0.00 min
Lab File: BG031994.D
Acq: 11 Jan 2018 21:24

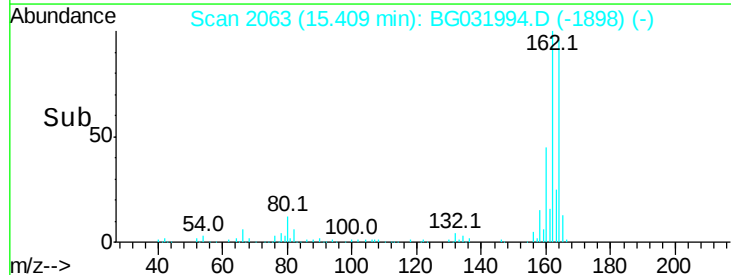
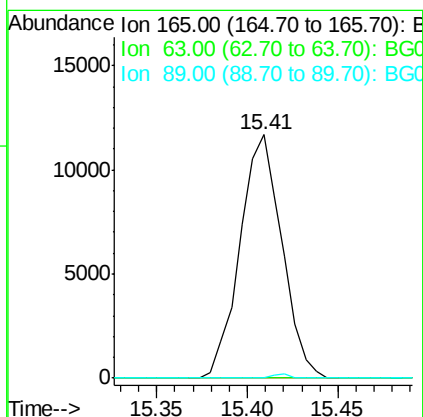
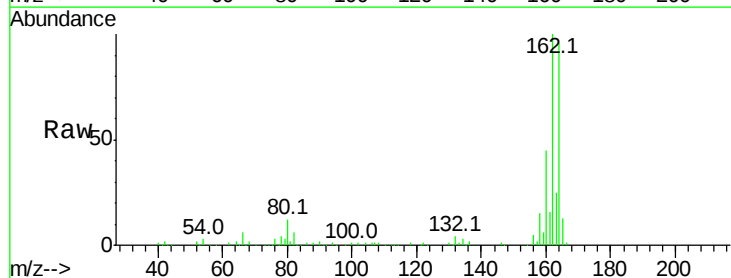
Instrument :
BNA_G
ClientSampleId :

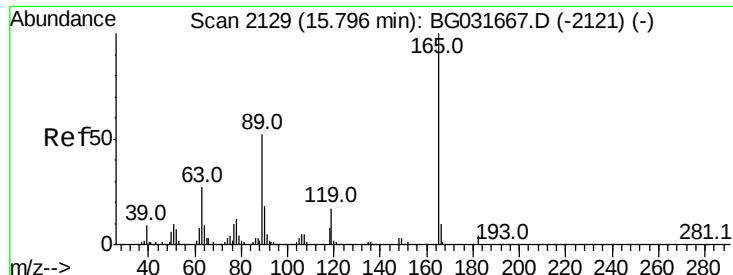
Tot Ion:172 Resp: 1102870
Ion Ratio Lower Upper
172 100
171 37.3 30.0 45.0
170 24.2 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 8.152 ng
RT: 15.41 min Scan# 2063
Delta R.T. 0.44 min
Lab File: BG031994.D
Acq: 11 Jan 2018 21:24

Tgt Ion:165 Resp: 18848
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#

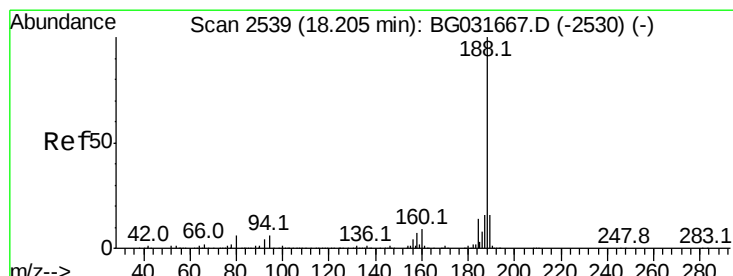
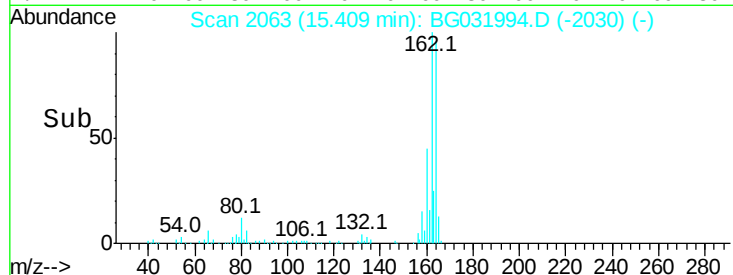
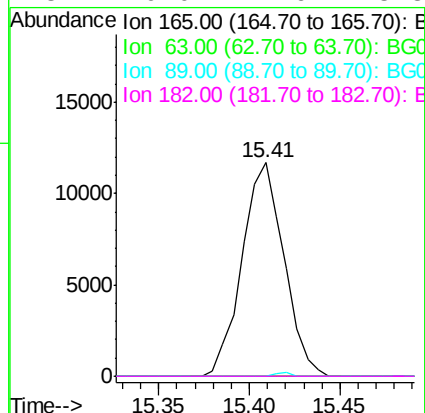
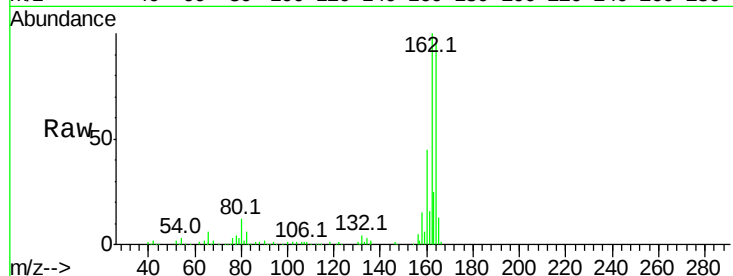




#56
2,4-Dinitrotoluene
Concen: 6.339 ng
RT: 15.41 min Scan# 2063
Delta R.T. -0.34 min
Lab File: BG031994.D
Acq: 11 Jan 2018 21:24

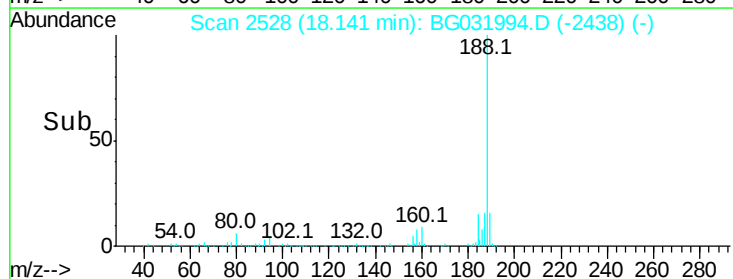
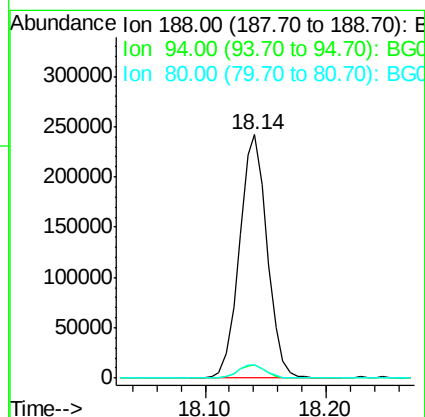
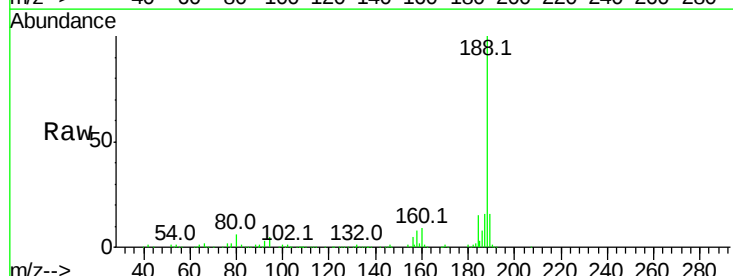
Instrument :
BNA_G
ClientSampleId :

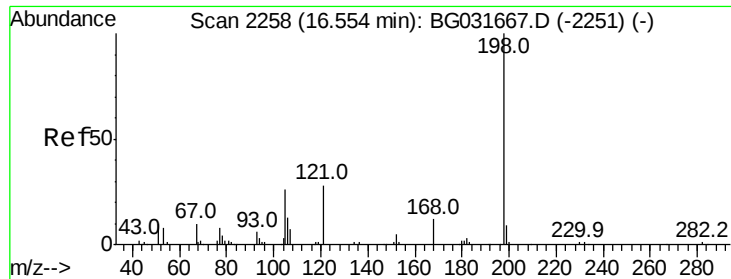
Tot Ion:165 Resp: 18848
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.14 min Scan# 2528
Delta R.T. -0.00 min
Lab File: BG031994.D
Acq: 11 Jan 2018 21:24

Tgt Ion:188 Resp: 385144
Ion Ratio Lower Upper
188 100
94 5.2 6.9 10.3#
80 5.6 7.7 11.5#

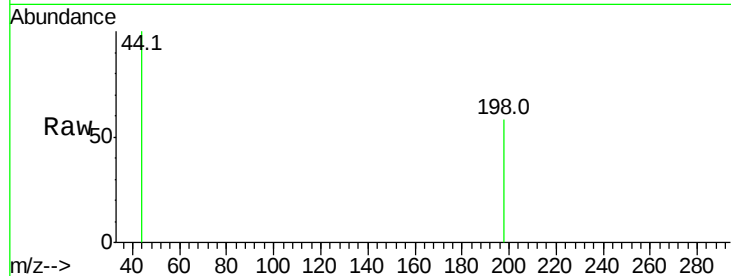




#64
4,6-Dinitro-2-methylphenol
Concen: 8.331 ng
RT: 16.52 min Scan# 2252
Delta R.T. 0.02 min
Lab File: BG031994.D
Acq: 11 Jan 2018 21:24

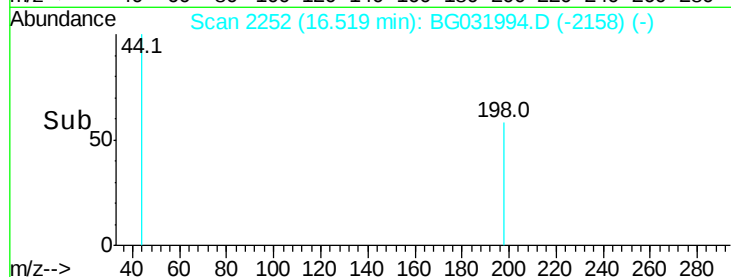
Instrument :
BNA_G
ClientSampleId :

Tot Ion:198 Resp: 57
Ion Ratio Lower Upper
198 100
51 0.0 30.6 70.6#
105 0.0 23.8 63.8#

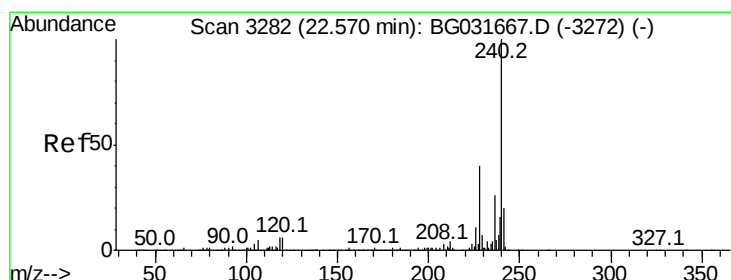


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BGO
Ion 105.00 (104.70 to 105.70): E

16.52

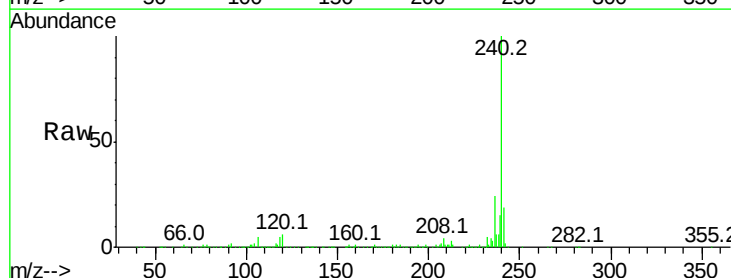


Time-->



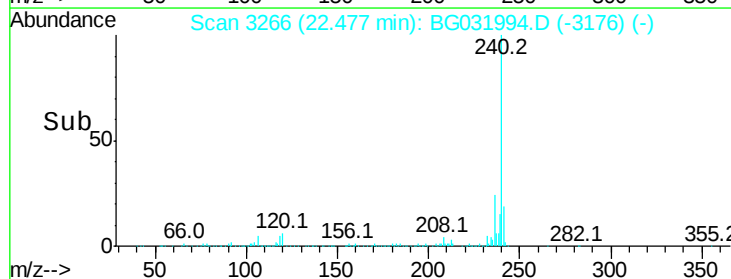
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.48 min Scan# 3266
Delta R.T. -0.00 min
Lab File: BG031994.D
Acq: 11 Jan 2018 21:24

Tgt Ion:240 Resp: 455135
Ion Ratio Lower Upper
240 100
120 5.6 6.8 10.2#
236 24.0 20.9 31.3

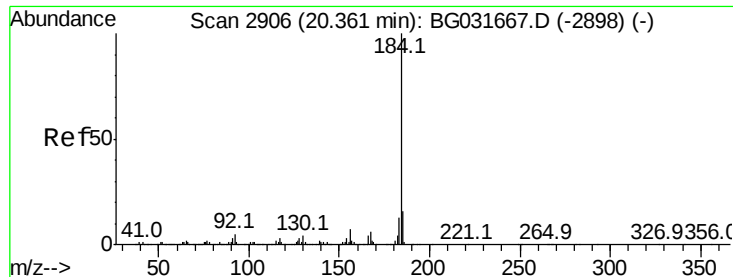


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

22.48



Time-->



#76

Benzidine

Concen: 2.041 ng

RT: 20.67 min Scan# 2959

Delta R.T. 0.37 min

Lab File: BG031994.D

Acq: 11 Jan 2018 21:24

Instrument :

BNA_G

ClientSampleId :

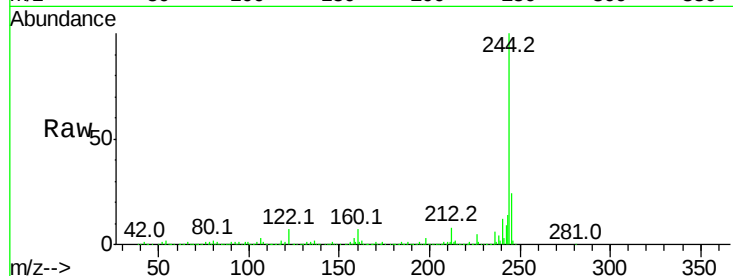
Tot Ion:184 Resp: 28665

Ion Ratio Lower Upper

184 100

185 16.1 11.1 16.7

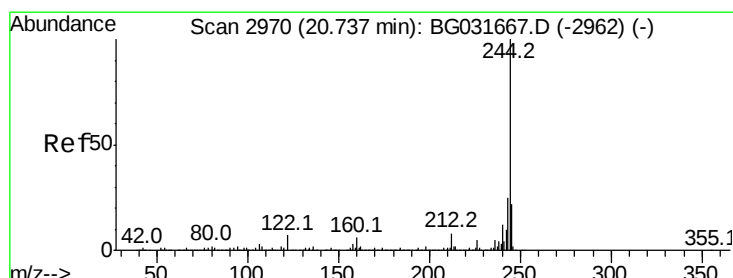
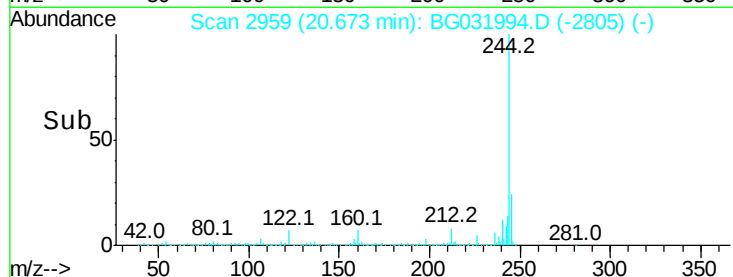
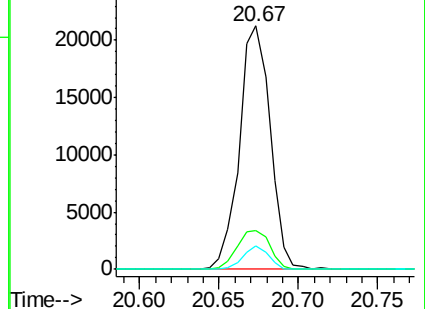
183 9.7 10.6 16.0#



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: 105.754 ng

RT: 20.67 min Scan# 2959

Delta R.T. 0.00 min

Lab File: BG031994.D

Acq: 11 Jan 2018 21:24

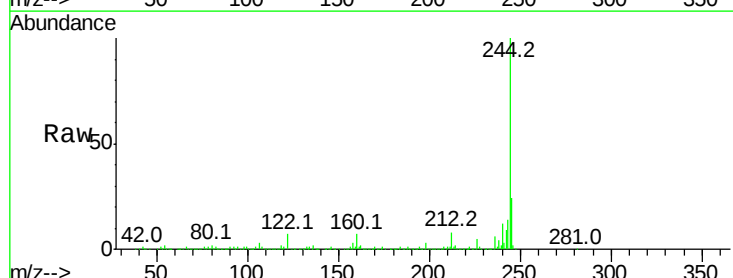
Tgt Ion:244 Resp: 2106768

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

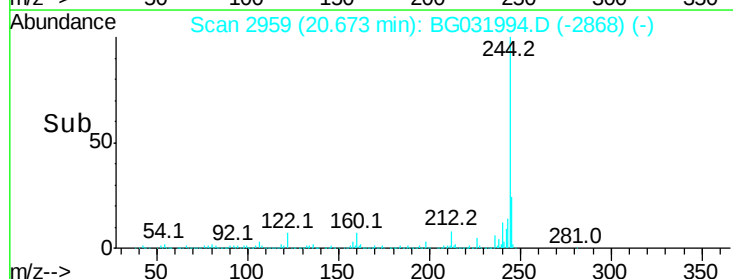
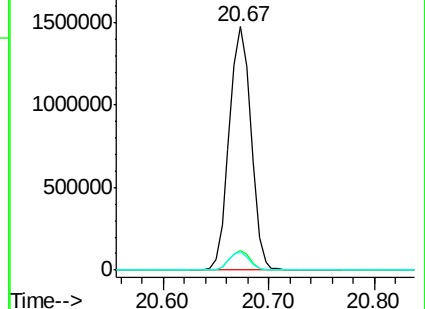
122 7.5 7.0 10.4

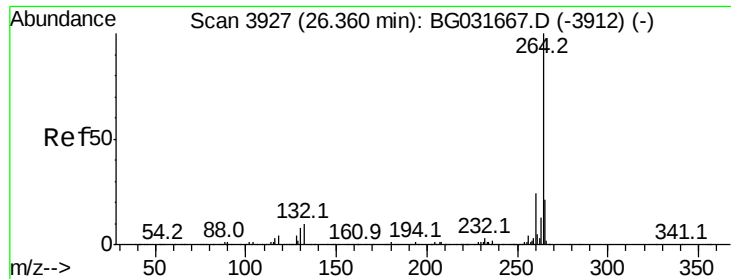


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

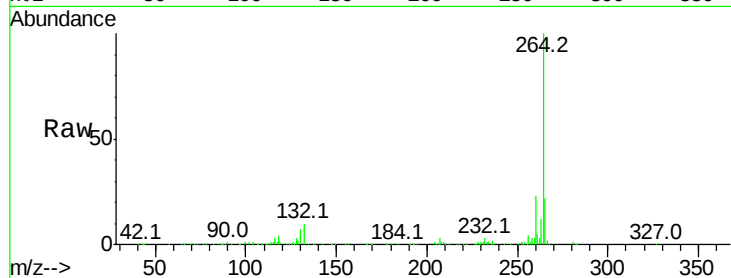




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.20 min Scan# 3900
 Delta R.T. -0.00 min
 Lab File: BG031994.D
 Acq: 11 Jan 2018 21:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.4	26.0
265	21.9	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

