

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122617\
 Data File : BG031791.D
 Acq On : 27 Dec 2017 10:15
 Operator : SJ/JU
 Sample : I7009-09
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 27 10:50:46 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 11:08:55 2017
 Response via : Initial Calibration

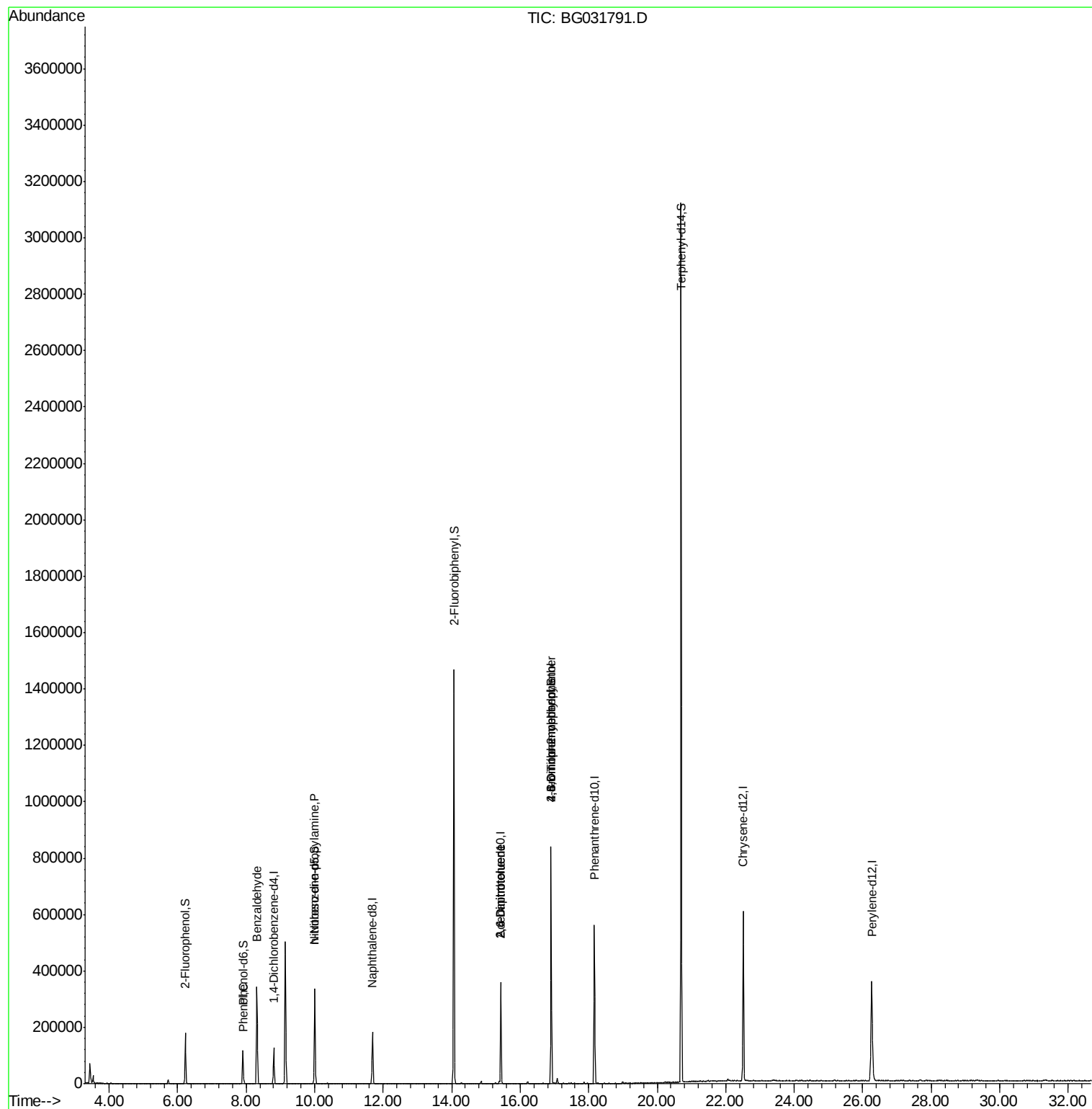
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.80	152	44789	20.00	ng	-0.04
21) Naphthalene-d8	11.69	136	187861	20.00	ng	-0.03
38) Acenaphthene-d10	15.43	164	137008	20.00	ng	-0.03
63) Phenanthrene-d10	18.17	188	384175	20.00	ng	-0.04
75) Chrysene-d12	22.51	240	453297	20.00	ng	-0.06
86) Perylene-d12	26.26	264	486426	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	6.22	112	99328	40.39	ng	-0.03
7) Phenol-d6	7.90	99	80432	25.19	ng	-0.03
23) Nitrobenzene-d5	10.00	82	225064	90.47	ng	-0.04
41) 2,4,6-Tribromophenol	16.91	330	204327	97.74	ng	-0.03
44) 2-Fluorobiphenyl	14.07	172	891447	81.67	ng	-0.03
78) Terphenyl-d14	20.70	244	1676383	84.49	ng	-0.04
Target Compounds						
9) Benzaldehyde	8.31	77	4187	2.178	ng	91
10) Phenol	7.93	94	8559	2.655	ng	96
19) n-Nitroso-di-n-propylamine	10.01	70	30191	13.847	ng	# 71
50) 2,6-Dinitrotoluene	15.43	165	17231	7.760	ng	# 21
56) 2,4-Dinitrotoluene	15.43	165	17231	6.035	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.90	198	340	8.456	ng	# 17
66) 4-Bromophenyl-phenylether	16.91	248	16644	2.996	ng	# 1

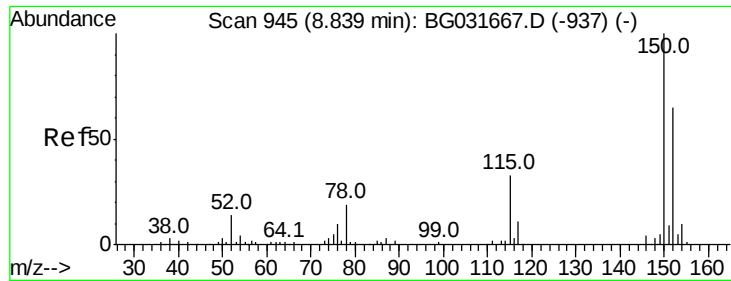
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 35 Sample Multiplier: 1

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BNA_G
ClientSampleId :

Quant Time: Dec 27 10:50:46 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 22 11:08:55 2017
Response via : Initial Calibration



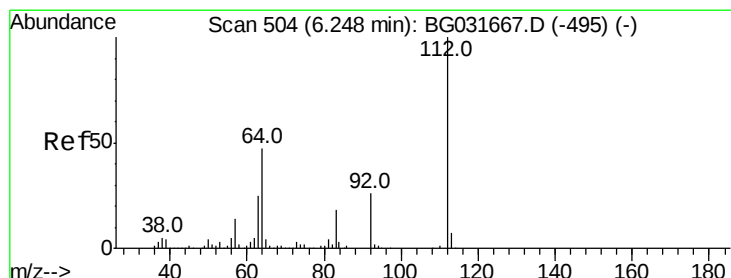
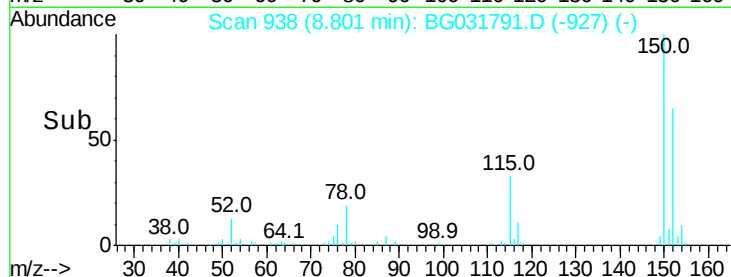
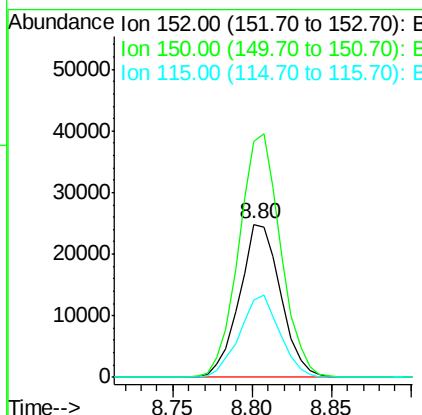
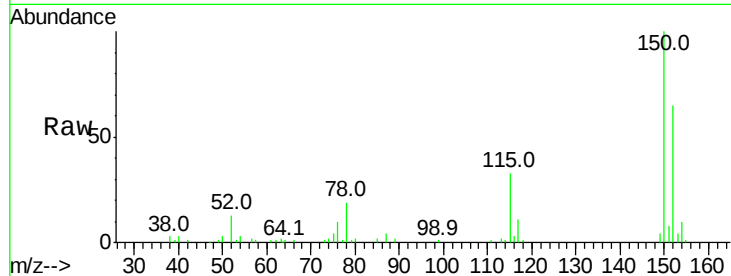


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.80 min Scan# 938
Delta R.T. -0.04 min
Lab File: BG031791.D
Acq: 27 Dec 2017 10:15

Instrument :
BNA_G
ClientSampled :

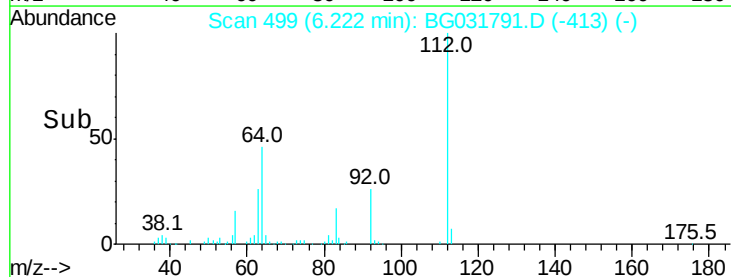
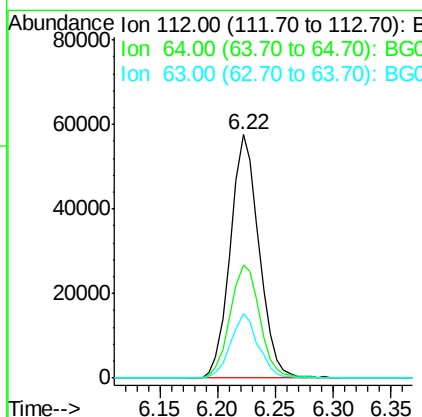
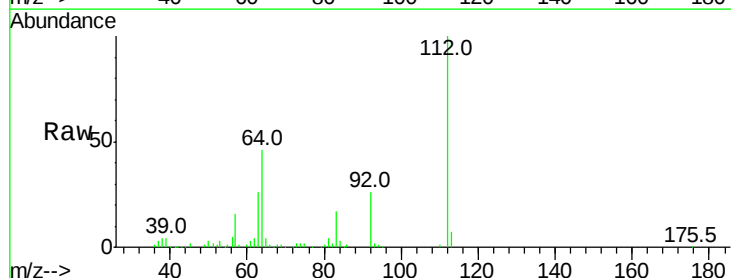
Tot Ion:152 Resp: 44789
Ion Ratio Lower Upper
152 100
150 154.2 126.6 189.8
115 50.8 53.0 79.4#

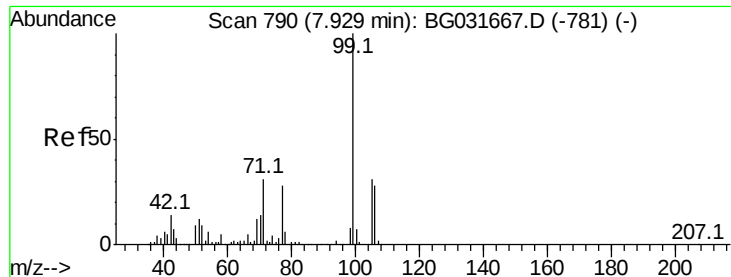


#5

2-Fluorophenol
Concen: 40.393 ng
RT: 6.22 min Scan# 499
Delta R.T. -0.03 min
Lab File: BG031791.D
Acq: 27 Dec 2017 10:15

Tgt Ion:112 Resp: 99328
Ion Ratio Lower Upper
112 100
64 46.3 56.3 84.5#
63 26.4 30.1 45.1#





#7

Phenol-d6

Concen: 25.193 ng

RT: 7.90 min Scan# 785

Delta R.T. -0.03 min

Lab File: BG031791.D

Acq: 27 Dec 2017 10:15

Instrument :

BNA_G

ClientSampleId :

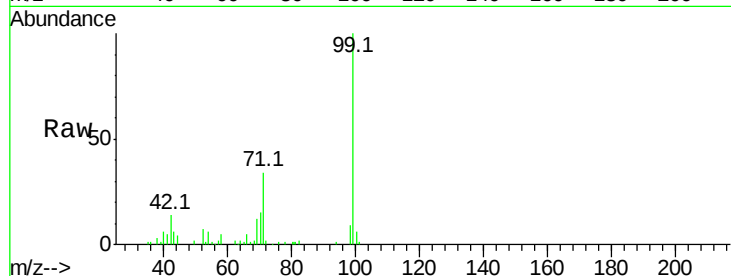
Tot Ion: 99 Resp: 80432

Ion Ratio Lower Upper

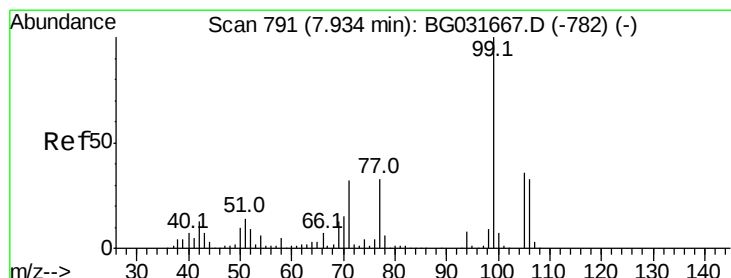
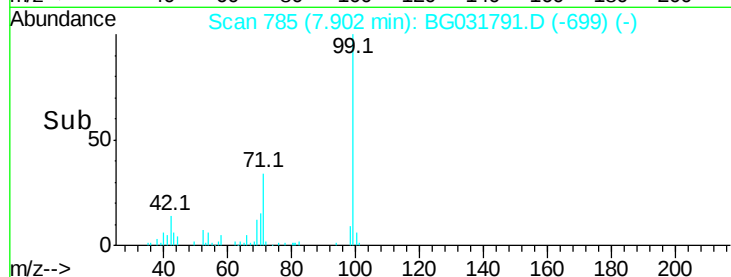
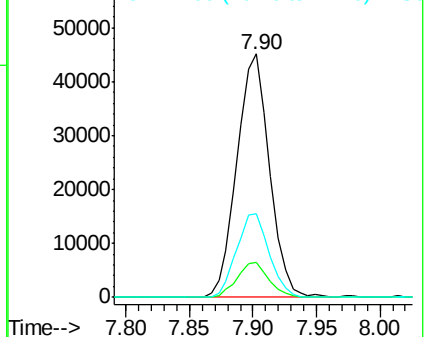
99 100

42 14.2 14.1 21.1

71 34.4 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: 2.178 ng

RT: 8.31 min Scan# 855

Delta R.T. 0.38 min

Lab File: BG031791.D

Acq: 27 Dec 2017 10:15

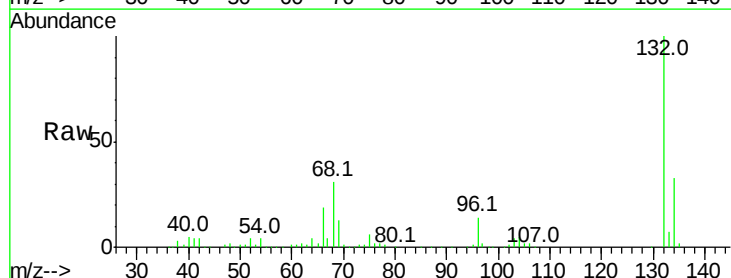
Tgt Ion: 77 Resp: 4187

Ion Ratio Lower Upper

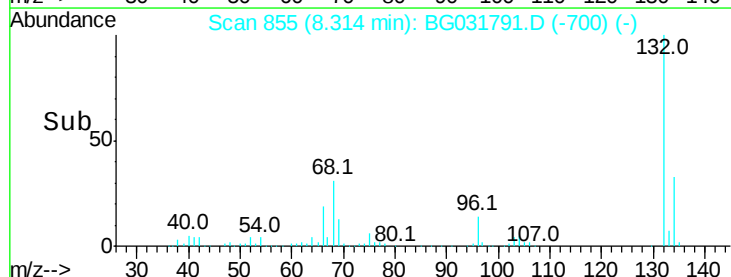
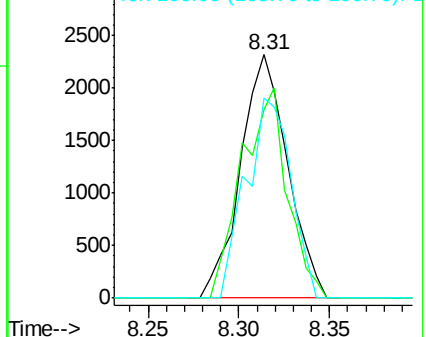
77 100

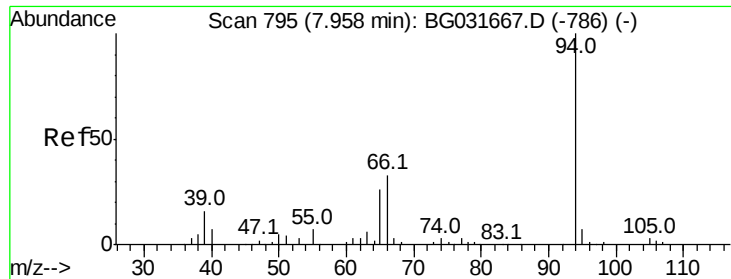
105 77.3 71.3 111.3

106 82.1 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: 2.655 ng

RT: 7.93 min Scan# 790

Delta R.T. -0.03 min

Lab File: BG031791.D

Acq: 27 Dec 2017 10:15

Instrument :

BNA_G

ClientSampled :

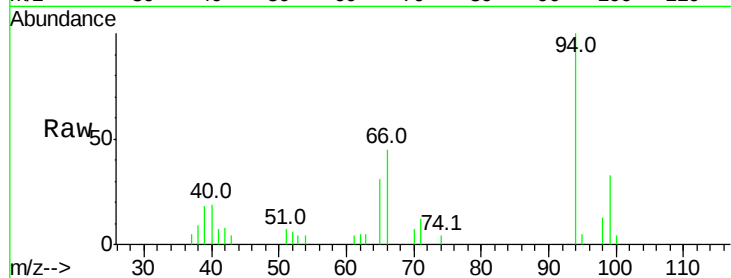
Tot Ion: 94 Resp: 8559

Ion Ratio Lower Upper

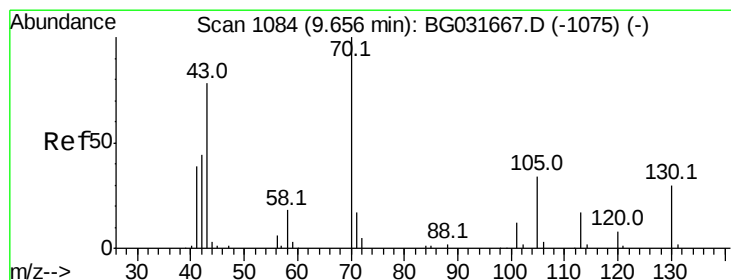
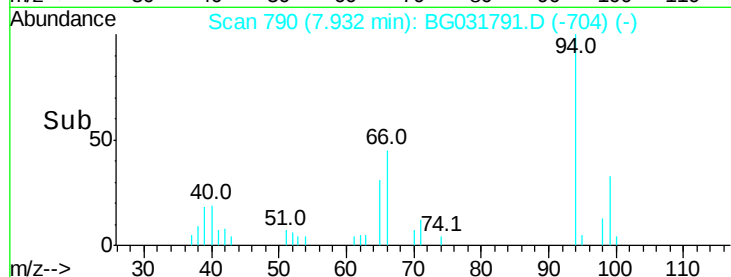
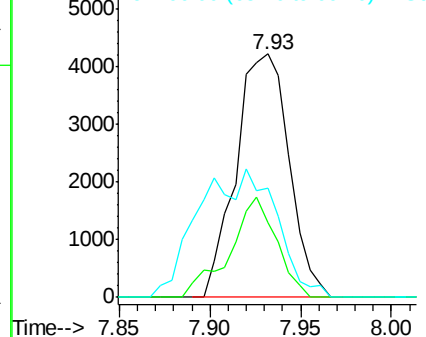
94 100

65 30.6 11.9 51.9

66 45.1 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.847 ng

RT: 10.01 min Scan# 1143

Delta R.T. 0.35 min

Lab File: BG031791.D

Acq: 27 Dec 2017 10:15

Tgt Ion: 70 Resp: 30191

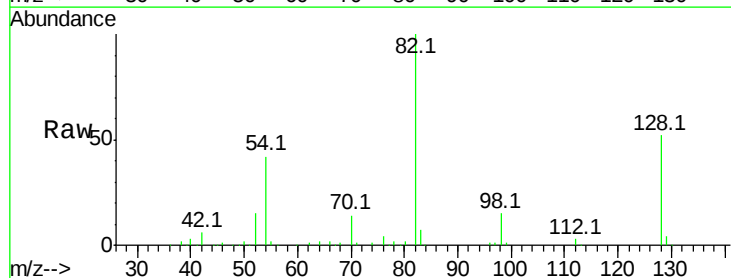
Ion Ratio Lower Upper

70 100

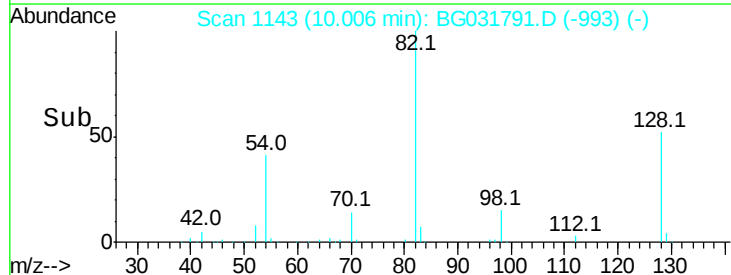
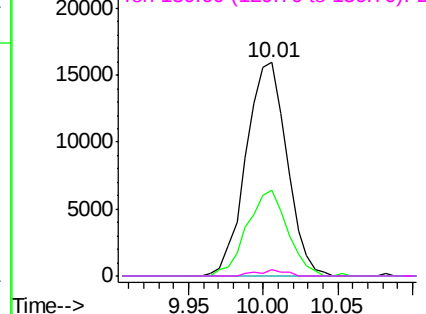
42 39.9 49.1 73.7#

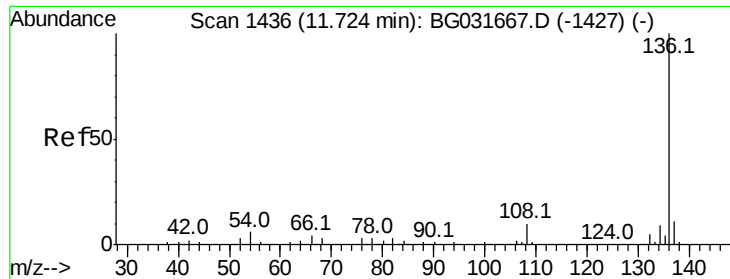
101 0.0 8.5 12.7#

130 2.8 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

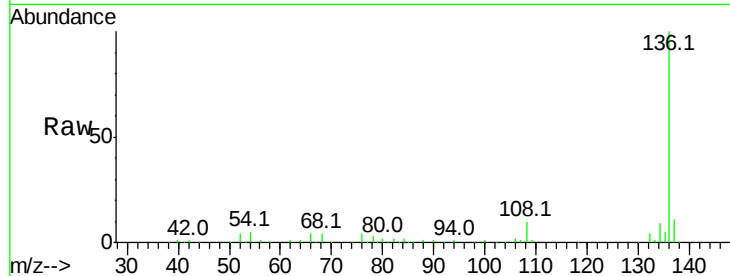




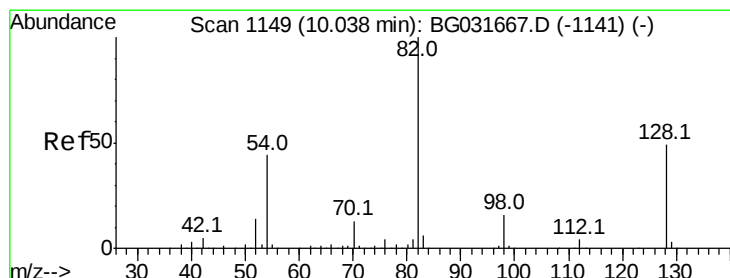
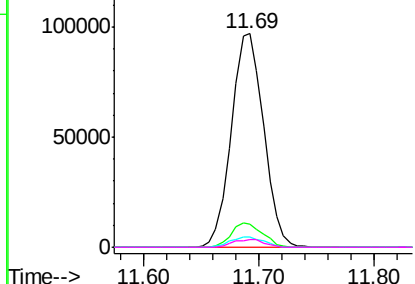
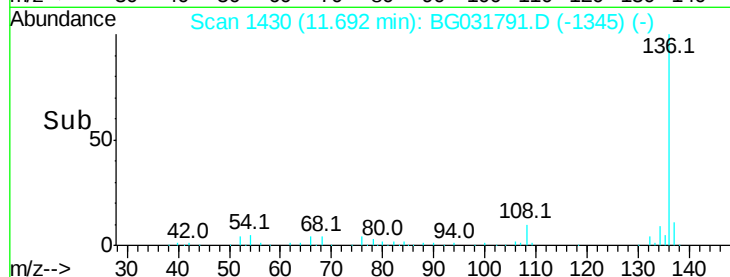
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.69 min Scan# 1430
Delta R.T. -0.03 min
Lab File: BG031791.D
Acq: 27 Dec 2017 10:15

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	4.8	10.3	15.5#
68	3.7	4.5	6.7#

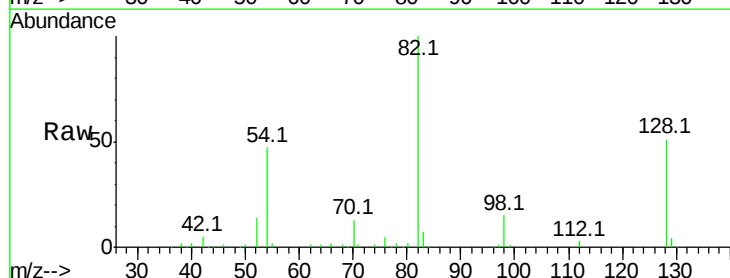


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

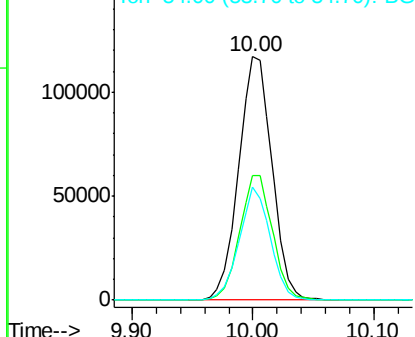
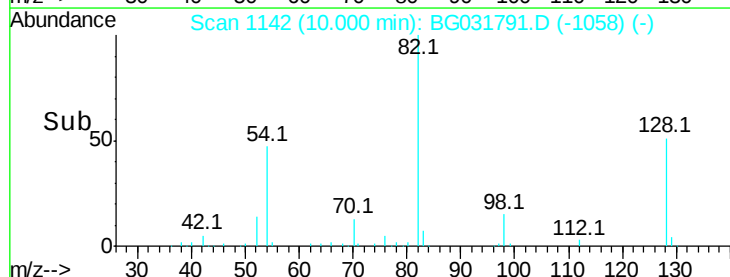


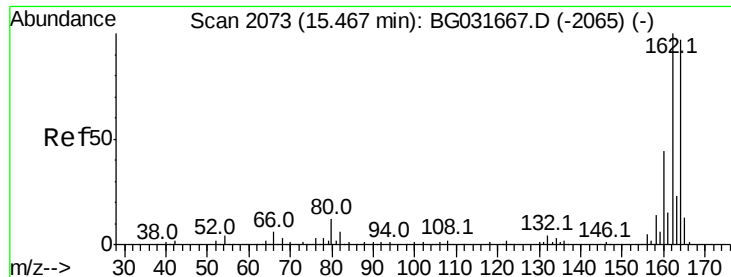
#23
Nitrobenzene-d5
Concen: 90.466 ng
RT: 10.00 min Scan# 1142
Delta R.T. -0.04 min
Lab File: BG031791.D
Acq: 27 Dec 2017 10:15

Tgt Ion	Ratio	Lower	Upper
82	100		
128	51.2	29.7	44.5#
54	46.5	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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.43 min Scan# 2067

Delta R.T. -0.03 min

Lab File: BG031791.D

Acq: 27 Dec 2017 10:15

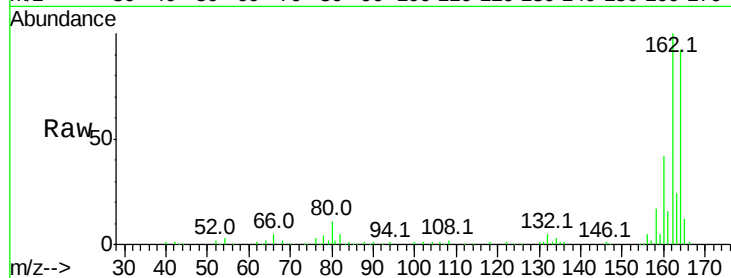
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 137008

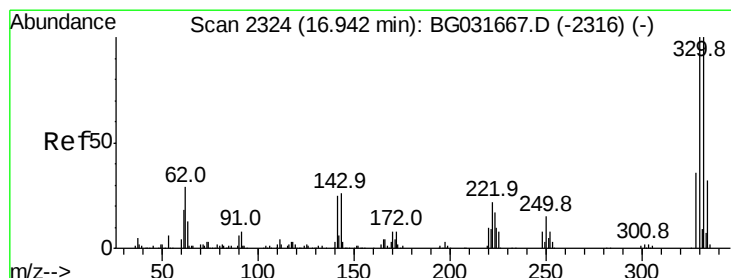
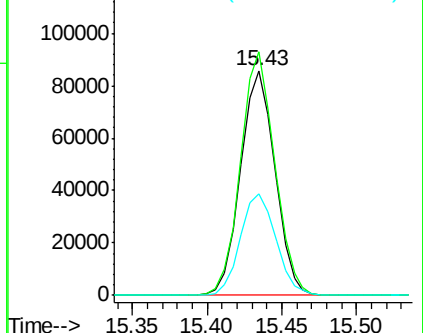
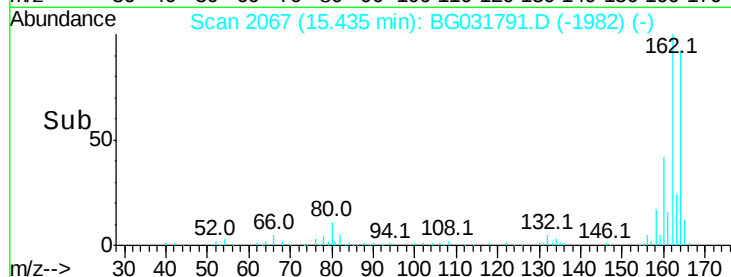
Ion	Ratio	Lower	Upper
164	100		
162	108.4	78.8	118.2
160	45.1	35.4	53.0



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



#41

2,4,6-Tribromophenol

Concen: 97.738 ng

RT: 16.91 min Scan# 2318

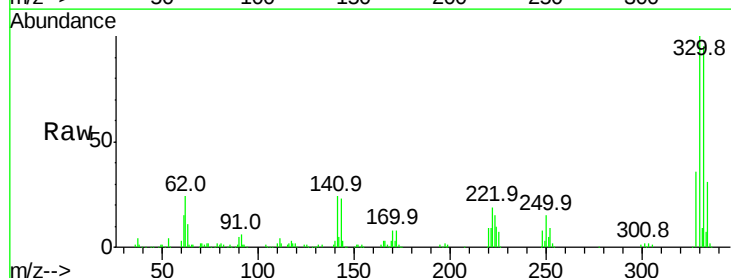
Delta R.T. -0.03 min

Lab File: BG031791.D

Acq: 27 Dec 2017 10:15

Tgt Ion:330 Resp: 204327

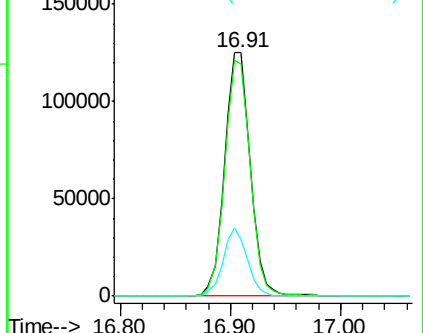
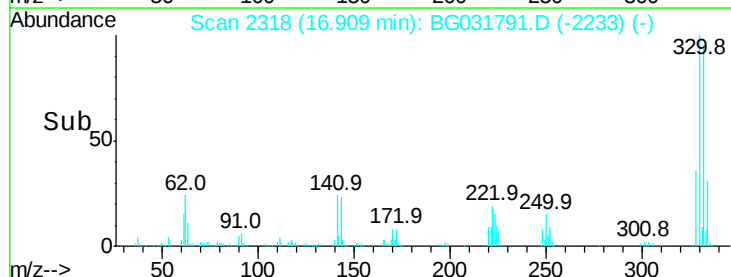
Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	26.1	25.2	37.8

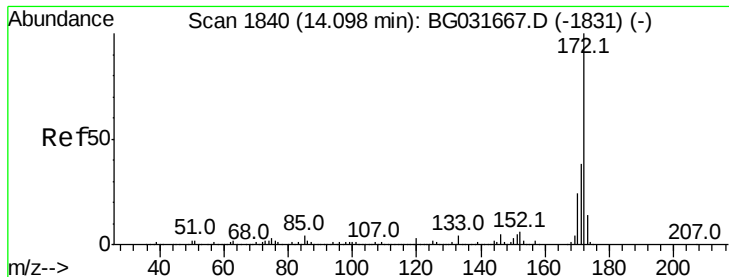


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

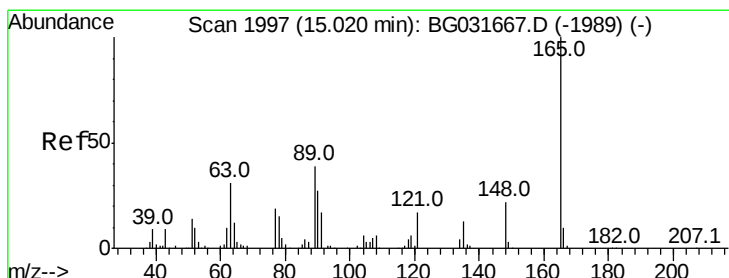
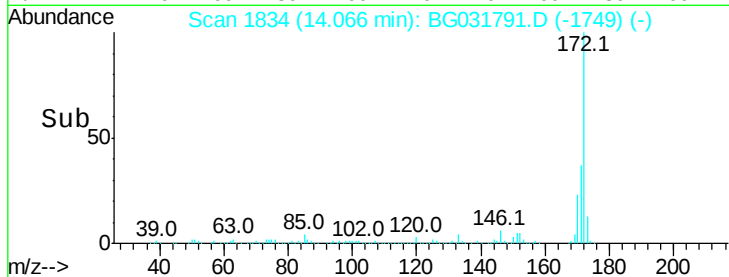
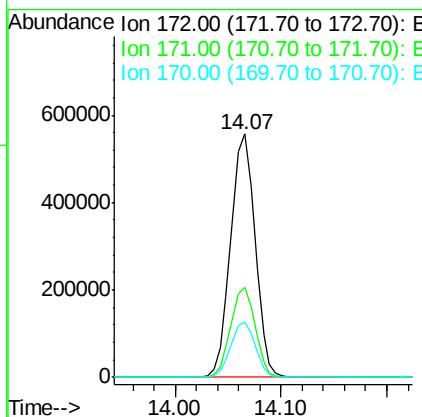
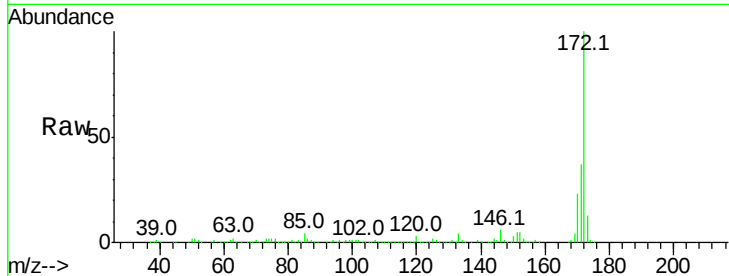




#44
 2-Fluorobiphenyl
 Concen: 81.666 ng
 RT: 14.07 min Scan# 1834
 Delta R.T. -0.03 min
 Lab File: BG031791.D
 Acq: 27 Dec 2017 10:15

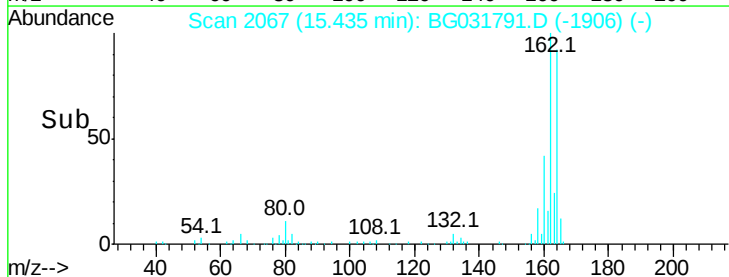
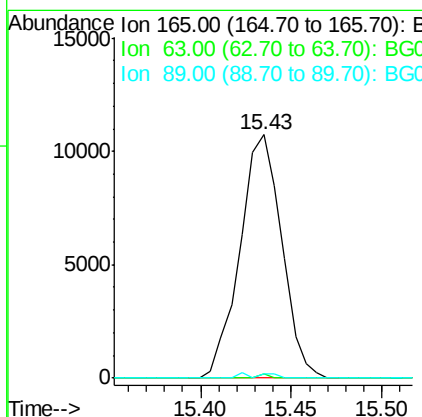
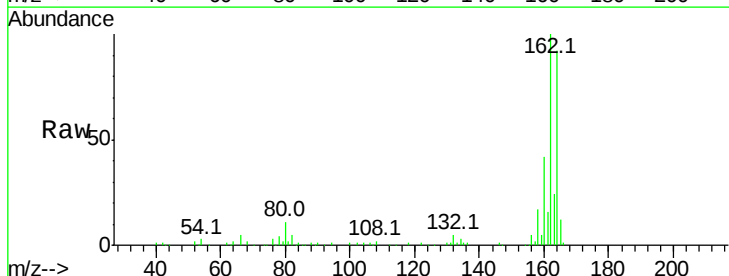
Instrument :
 BNA_G
 ClientSampleId :

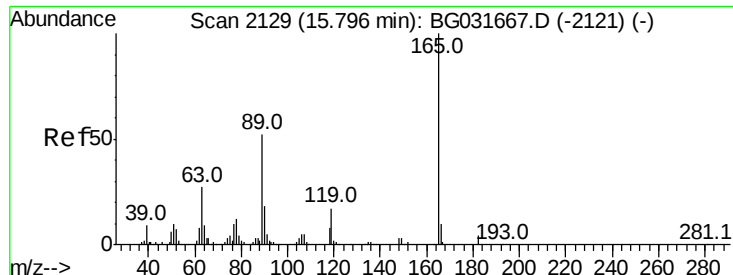
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.0	45.0
170	23.0	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.760 ng
 RT: 15.43 min Scan# 2067
 Delta R.T. 0.41 min
 Lab File: BG031791.D
 Acq: 27 Dec 2017 10:15

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	52.7	79.1#
89	1.8	49.2	73.8#

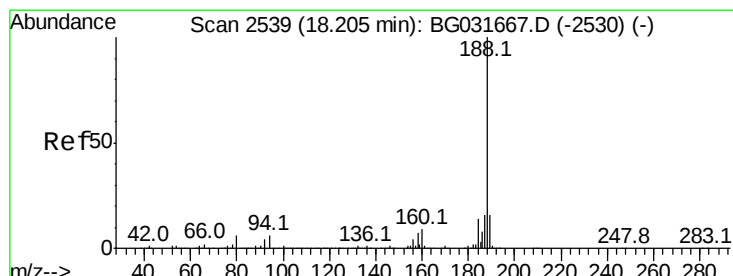
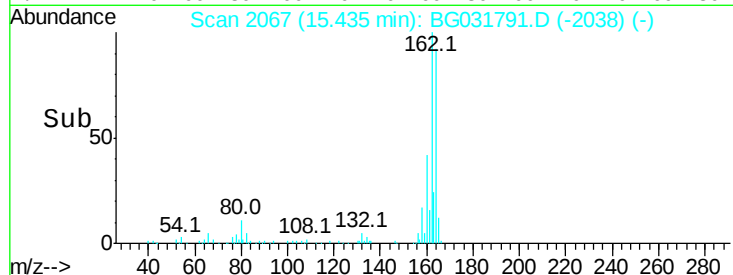
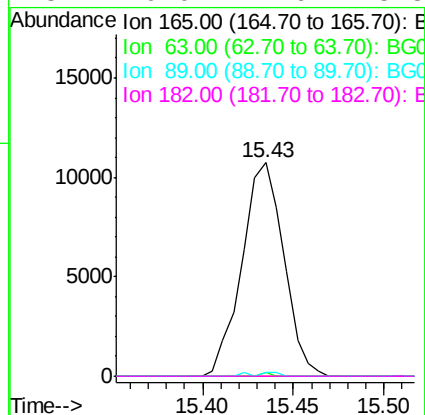
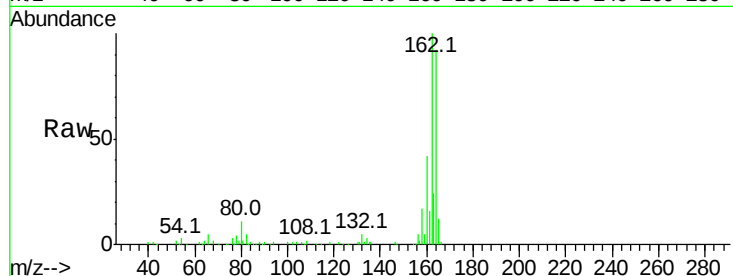




#56
2,4-Dinitrotoluene
Concen: 6.035 ng
RT: 15.43 min Scan# 2067
Delta R.T. -0.36 min
Lab File: BG031791.D
Acq: 27 Dec 2017 10:15

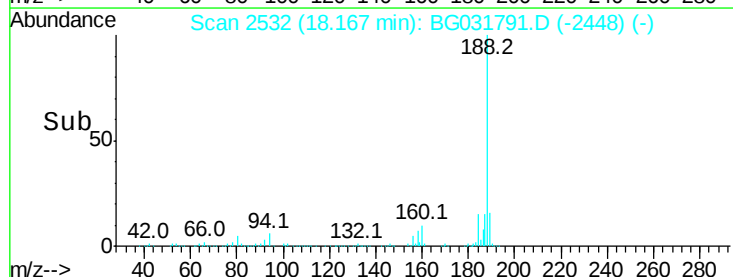
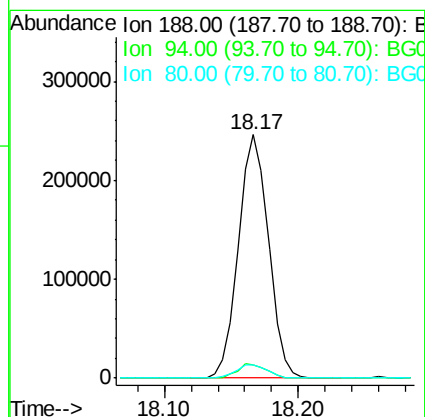
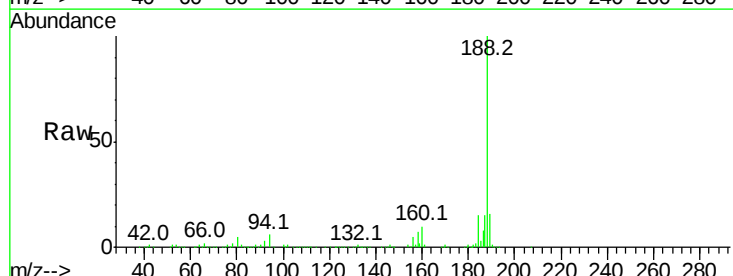
Instrument :
BNA_G
ClientSampleId :

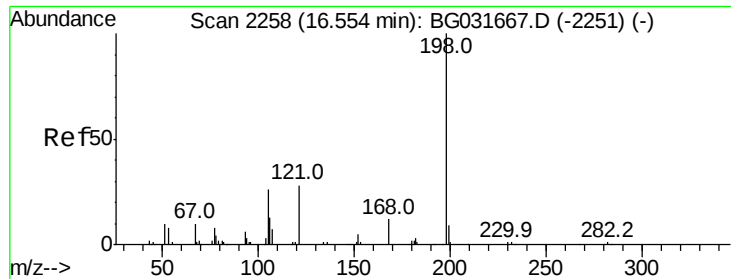
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	42.0	63.0#
89	1.8	66.9	100.3#
182	0.0	2.6	3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.17 min Scan# 2532
Delta R.T. -0.04 min
Lab File: BG031791.D
Acq: 27 Dec 2017 10:15

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.6	6.9	10.3#
80	5.5	7.7	11.5#

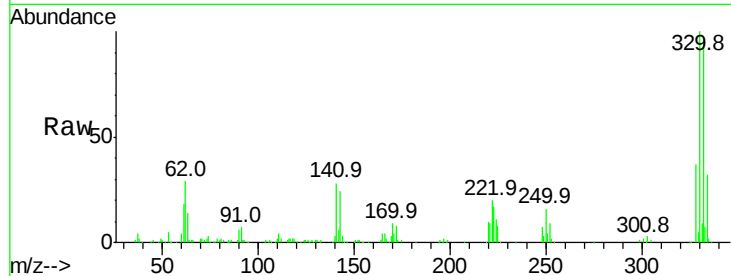




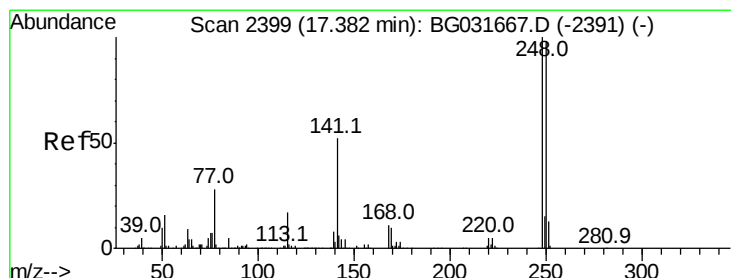
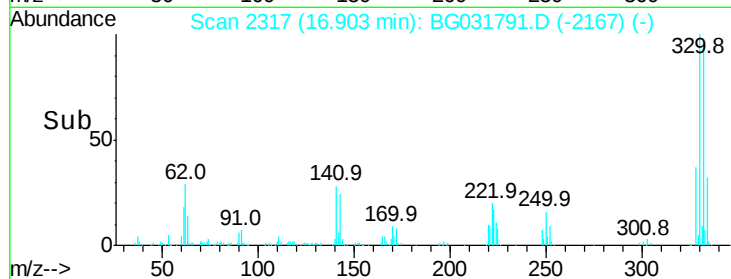
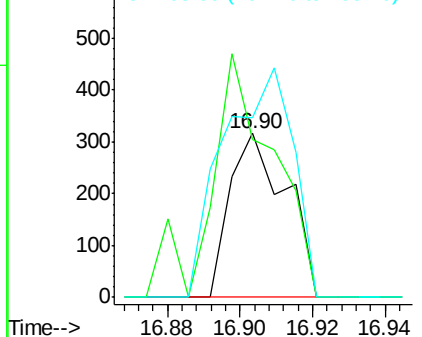
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.456 ng
 RT: 16.90 min Scan# 2317
 Delta R.T. 0.35 min
 Lab File: BG031791.D
 Acq: 27 Dec 2017 10:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 340
 Ion Ratio Lower Upper
 198 100
 51 96.5 30.6 70.6#
 105 110.1 23.8 63.8#

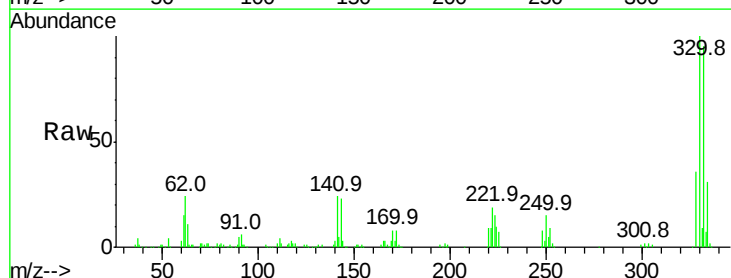


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

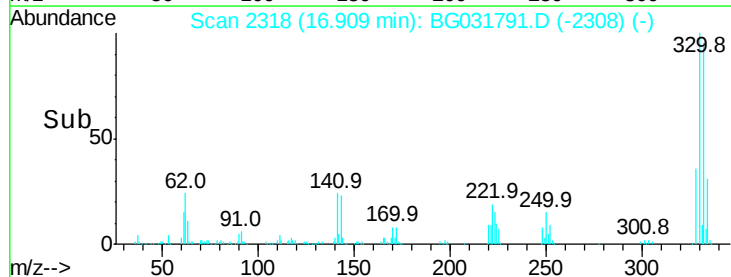
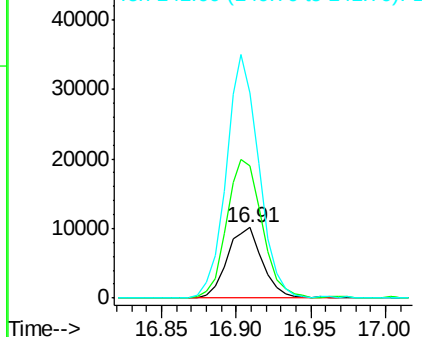


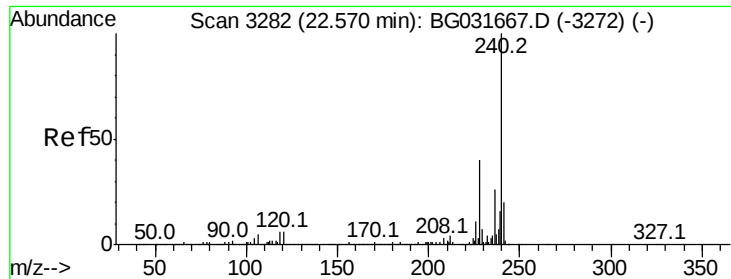
#66
 4-Bromophenyl-phenylether
 Concen: 2.996 ng
 RT: 16.91 min Scan# 2318
 Delta R.T. -0.47 min
 Lab File: BG031791.D
 Acq: 27 Dec 2017 10:15

Tgt Ion:248 Resp: 16644
 Ion Ratio Lower Upper
 248 100
 250 187.7 77.1 115.7#
 141 290.6 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: 22.51 min Scan# 3272

Delta R.T. -0.06 min

Lab File: BG031791.D

Acq: 27 Dec 2017 10:15

Instrument :

BNA_G

ClientSampleId :

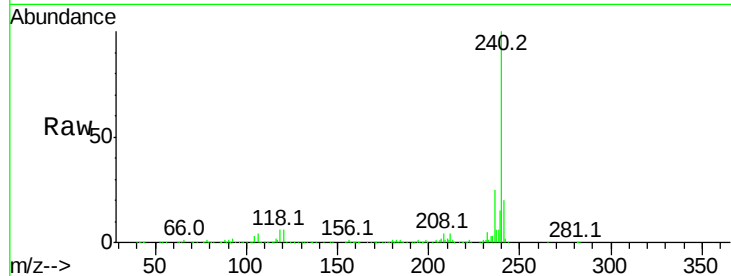
Tot Ion:240 Resp: 453297

Ion Ratio Lower Upper

240 100

120 6.1 6.8 10.2#

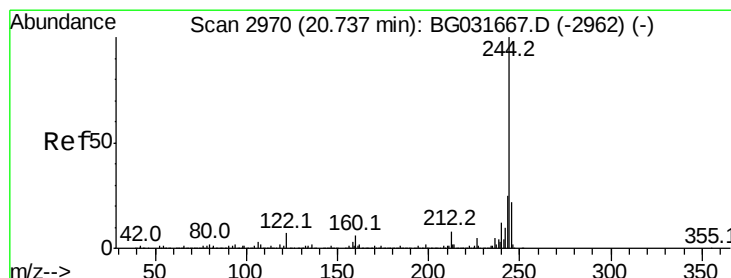
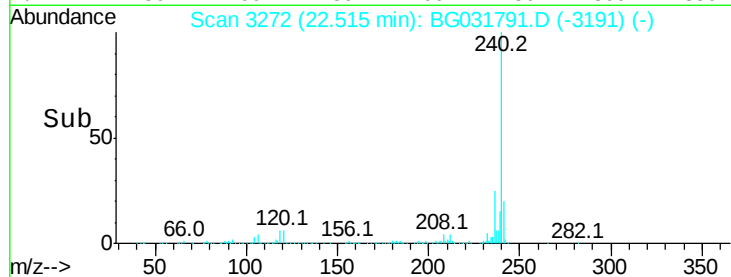
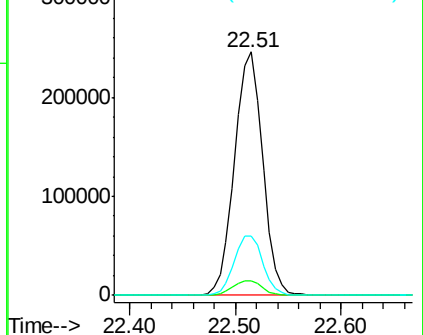
236 24.6 20.9 31.3



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



#78

Terphenyl-d14

Concen: 84.491 ng

RT: 20.70 min Scan# 2963

Delta R.T. -0.04 min

Lab File: BG031791.D

Acq: 27 Dec 2017 10:15

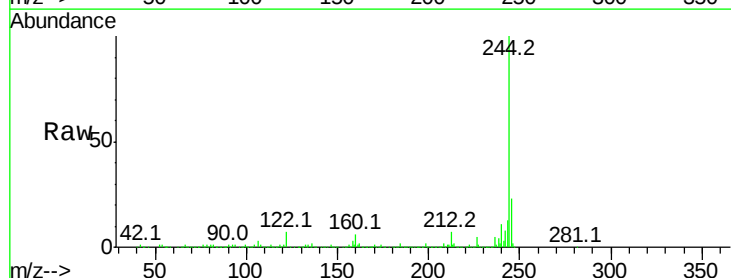
Tgt Ion:244 Resp: 1676383

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

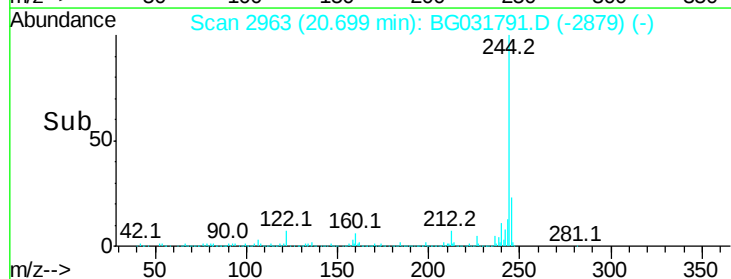
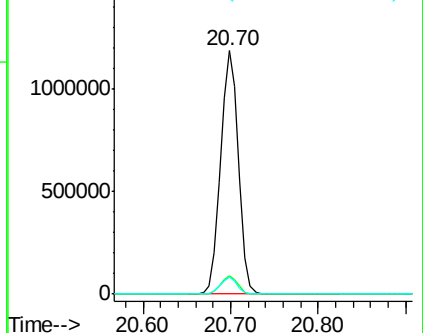
122 7.2 7.0 10.4

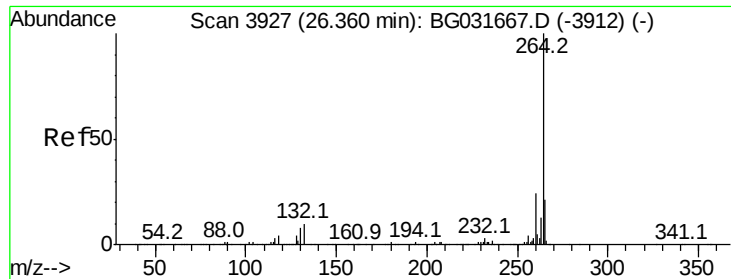


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

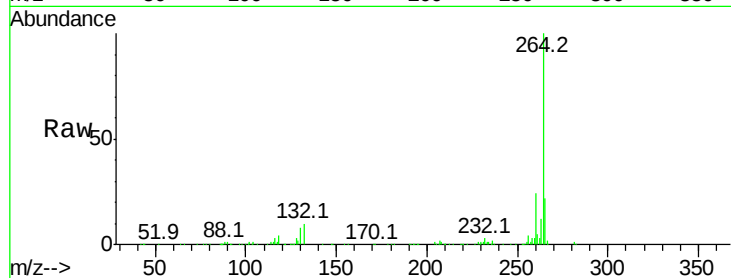




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.26 min Scan# 3910
Delta R.T. -0.10 min
Lab File: BG031791.D
Acq: 27 Dec 2017 10:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.4	26.0
265	22.5	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

