

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030218\
 Data File : BG032964.D
 Acq On : 3 Mar 2018 3:35
 Operator : SJ/JU
 Sample : PB107023TB
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 03 04:34:28 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 01 17:38:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.94	152	55436	20.00	ng	0.02
21) Naphthalene-d8	11.81	136	242974	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	139065	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	328241	20.00	ng	0.00
75) Chrysene-d12	22.62	240	314384	20.00	ng	0.00
86) Perylene-d12	26.44	264	306860	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.35	112	359093	103.63	ng	0.02
7) Phenol-d6	8.03	99	475649	98.48	ng	0.00
23) Nitrobenzene-d5	10.13	82	271789	78.49	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	139863	95.65	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	617484	64.04	ng	0.00
78) Terphenyl-d14	20.78	244	948322	67.77	ng	0.00

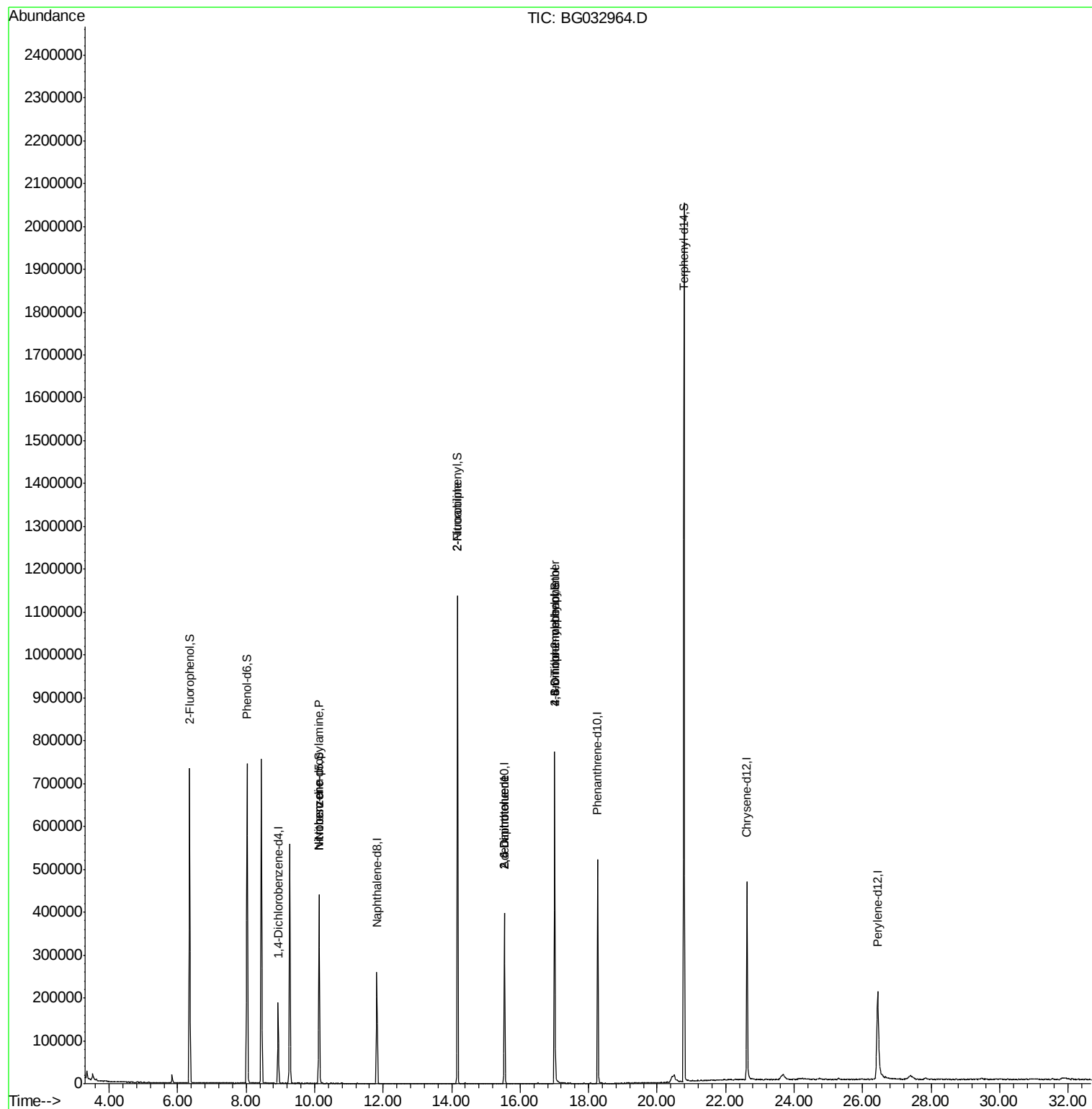
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.13	70	35052	10.280	ng	# 80
24) Nitrobenzene	10.13	77	843	6.569	ng	# 35
47) 2-Nitroaniline	14.17	65	1015	10.188	ng	# 2
50) 2,6-Dinitrotoluene	15.54	165	17957	16.383	ng	# 20
56) 2,4-Dinitrotoluene	15.54	165	17957	14.581	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	396	5.462	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	10310	2.970	ng	# 1

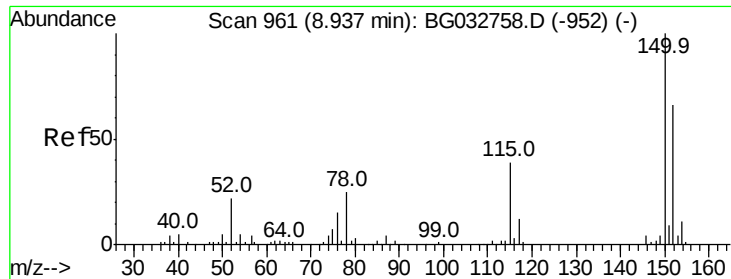
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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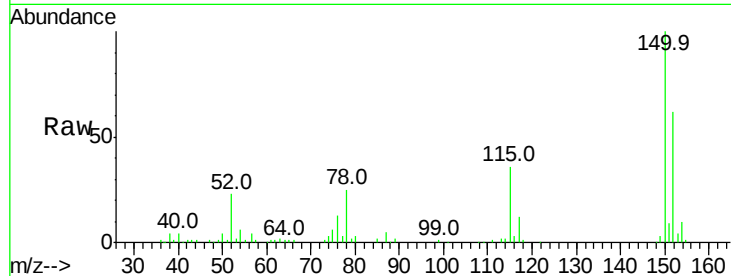


#1

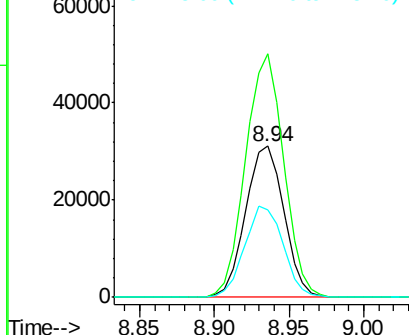
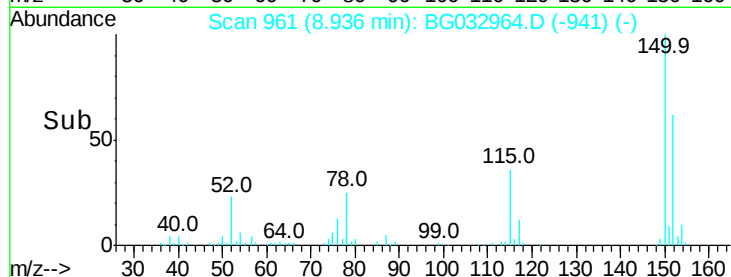
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.94 min Scan# 961
Delta R.T. 0.02 min
Lab File: BG032964.D
Acq: 3 Mar 2018 3:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 55436
Ion Ratio Lower Upper
152 100
150 161.3 126.6 189.8
115 58.1 53.0 79.4



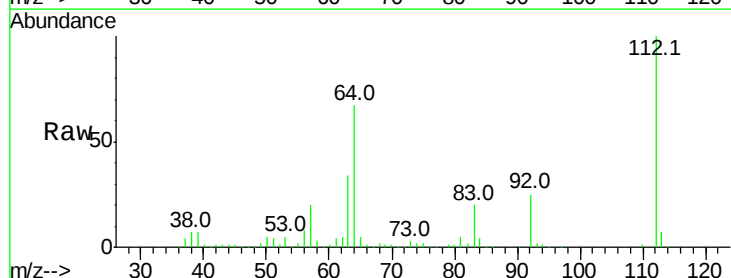
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



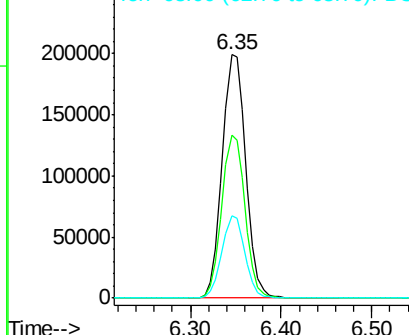
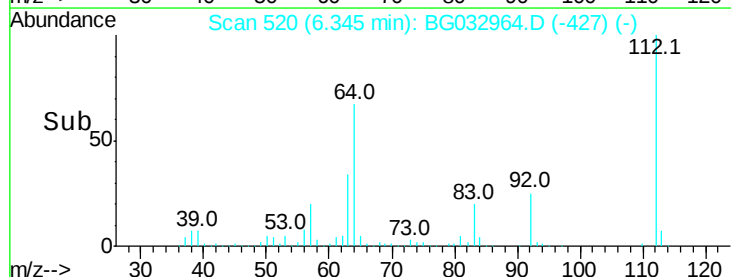
#5

2-Fluorophenol
Concen: 103.632 ng
RT: 6.35 min Scan# 520
Delta R.T. 0.02 min
Lab File: BG032964.D
Acq: 3 Mar 2018 3:35

Tgt Ion:112 Resp: 359093
Ion Ratio Lower Upper
112 100
64 66.7 56.3 84.5
63 33.7 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: 98.482 ng

RT: 8.03 min Scan# 806

Delta R.T. 0.01 min

Lab File: BG032964.D

Acq: 3 Mar 2018 3:35

Instrument :

BNA_G

ClientSampleId :

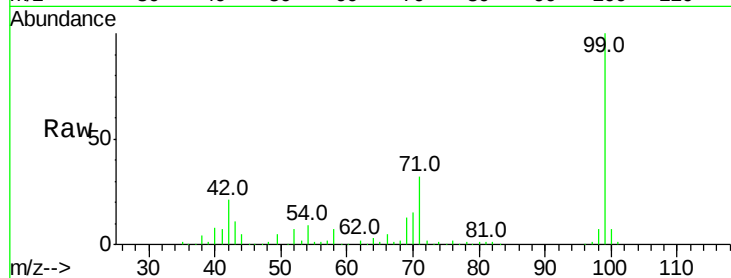
Tot Ion: 99 Resp: 475649

Ion Ratio Lower Upper

99 100

42 21.2 14.1 21.1#

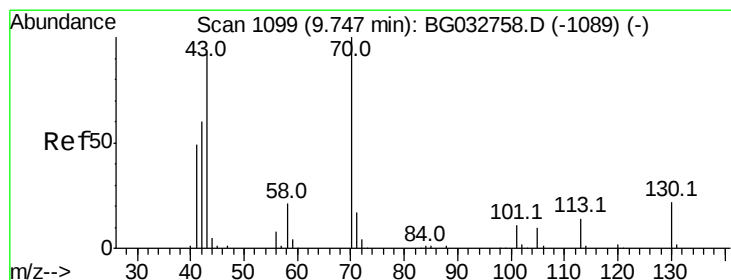
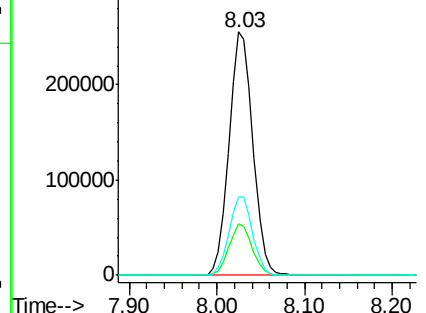
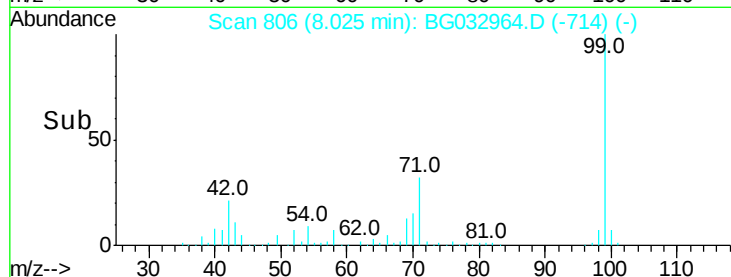
71 32.3 26.1 39.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.280 ng

RT: 10.13 min Scan# 1164

Delta R.T. 0.40 min

Lab File: BG032964.D

Acq: 3 Mar 2018 3:35

Tgt Ion: 70 Resp: 35052

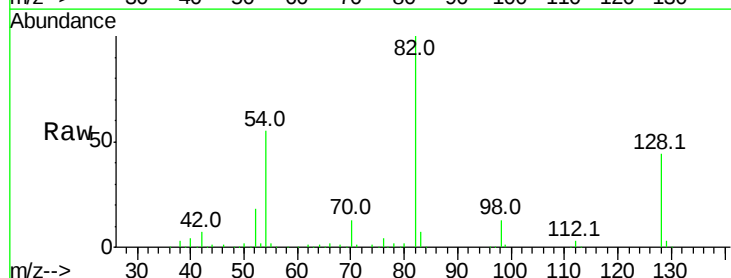
Ion Ratio Lower Upper

70 100

42 50.0 49.1 73.7

101 0.0 8.5 12.7#

130 1.9 13.4 20.0#

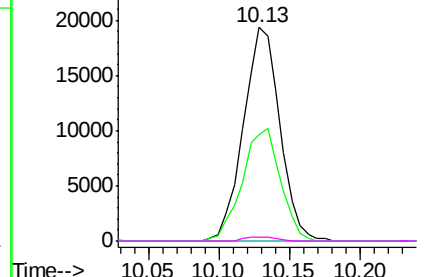
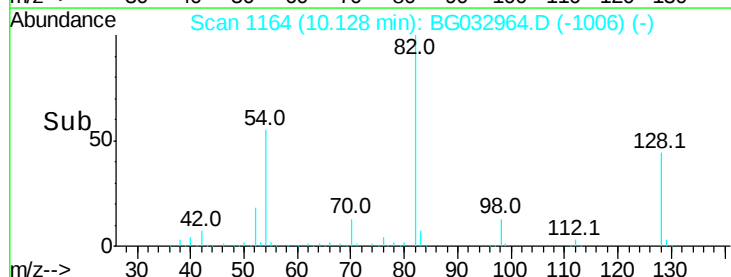


Abundance Ion 70.00 (69.70 to 70.70): BGC

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

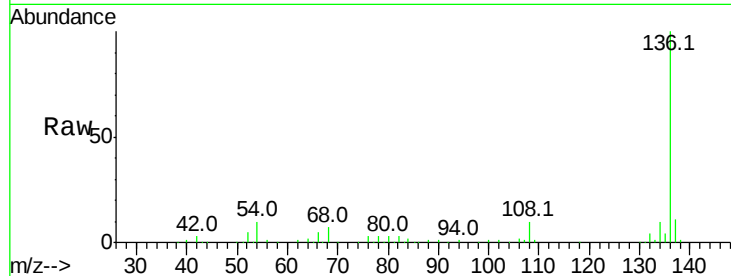




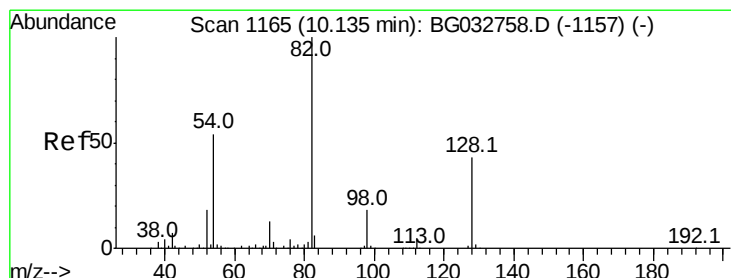
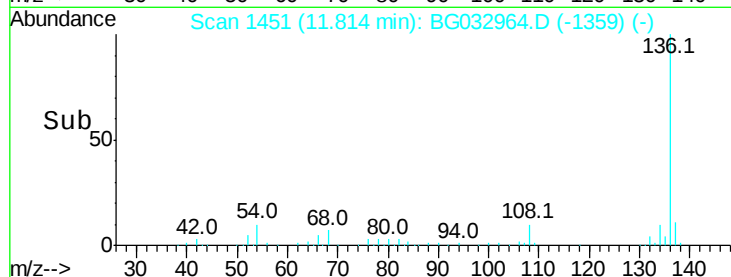
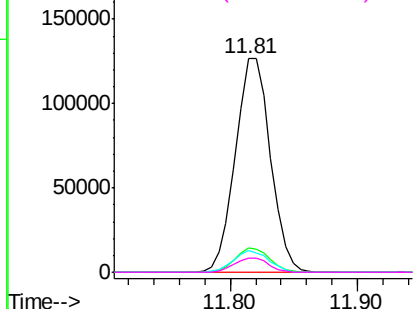
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1451
Delta R.T. 0.01 min
Lab File: BG032964.D
Acq: 3 Mar 2018 3:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	242974
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	10.3	10.3	15.5
68	6.5	4.5	6.7

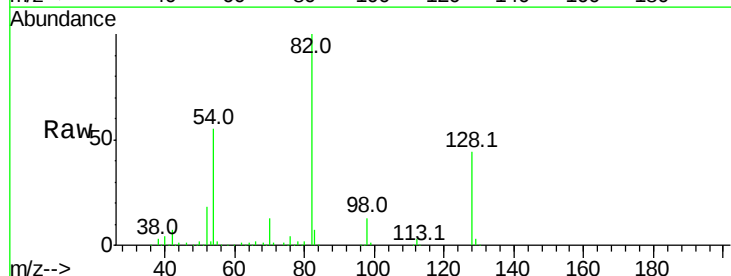


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

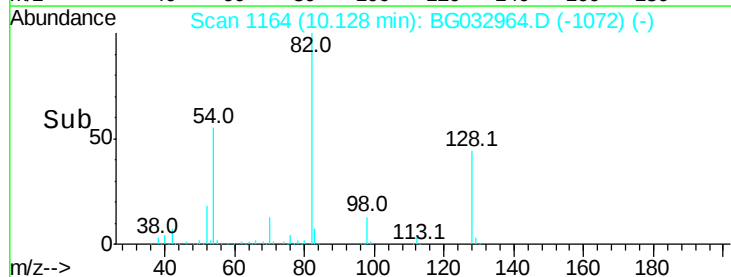
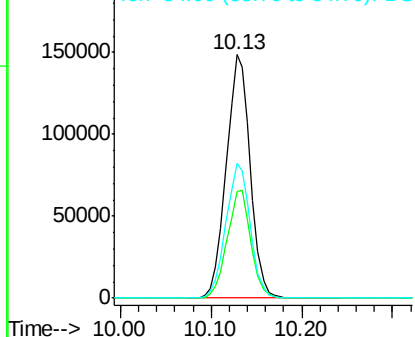


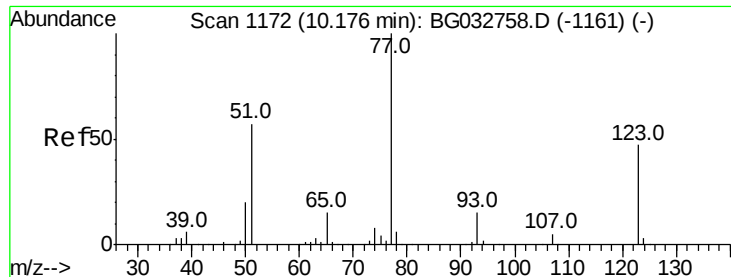
#23
Nitrobenzene-d5
Concen: 78.485 ng
RT: 10.13 min Scan# 1164
Delta R.T. 0.01 min
Lab File: BG032964.D
Acq: 3 Mar 2018 3:35

Tgt Ion:	82	Resp:	271789
Ion	Ratio	Lower	Upper
82	100		
128	43.6	29.7	44.5
54	55.2	43.1	64.7



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





#24

Nitrobenzene

Concen: 6.569 ng

RT: 10.13 min Scan# 1165

Delta R.T. -0.03 min

Lab File: BG032964.D

Acq: 3 Mar 2018 3:35

Instrument :

BNA_G

ClientSampled :

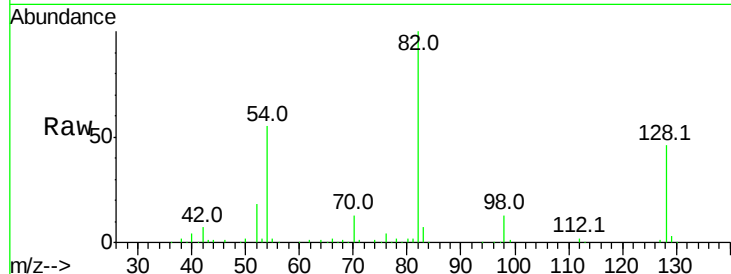
Tot Ion: 77 Resp: 843

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

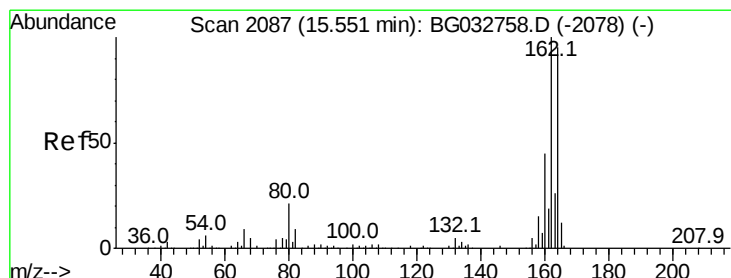
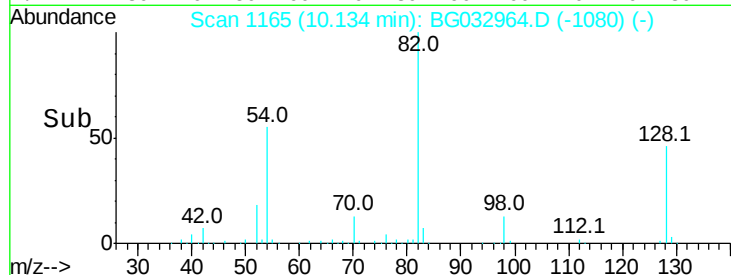
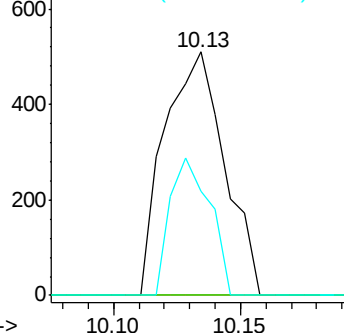
65 42.9 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.54 min Scan# 2085

Delta R.T. 0.00 min

Lab File: BG032964.D

Acq: 3 Mar 2018 3:35

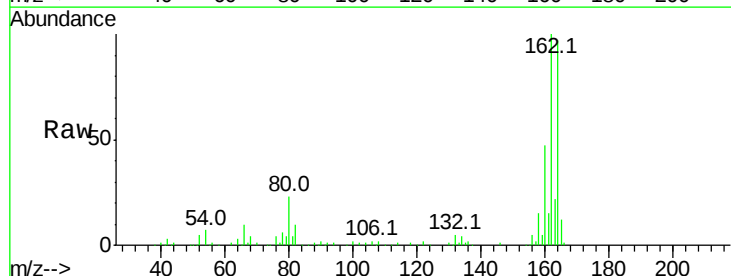
Tgt Ion:164 Resp: 139065

Ion Ratio Lower Upper

164 100

162 103.0 78.8 118.2

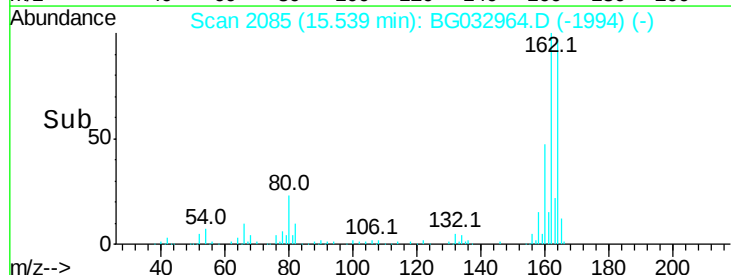
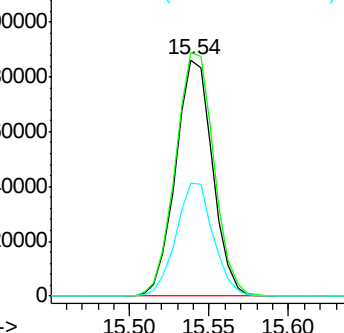
160 48.1 35.4 53.0

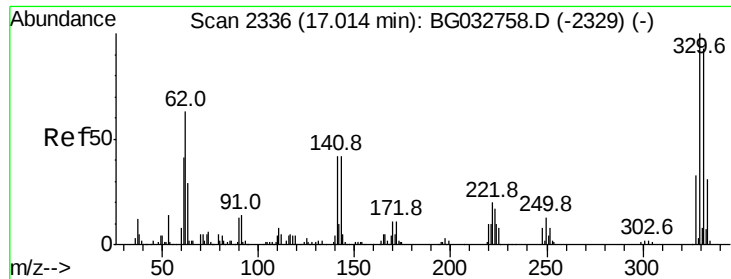


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

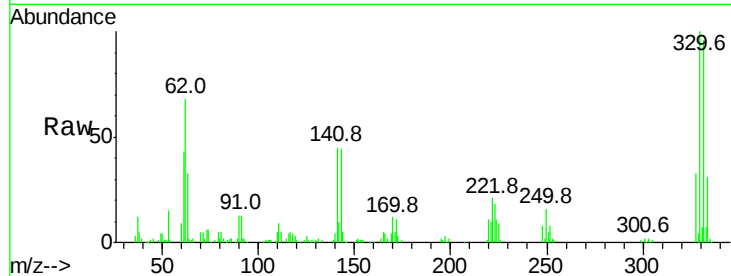




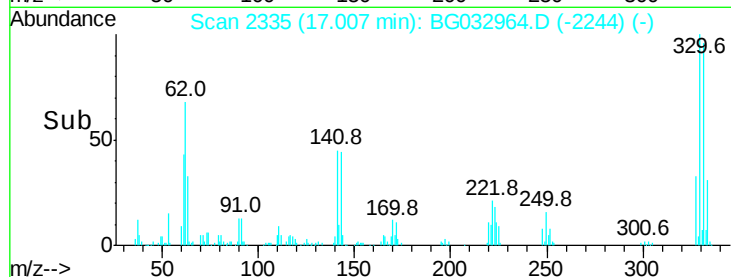
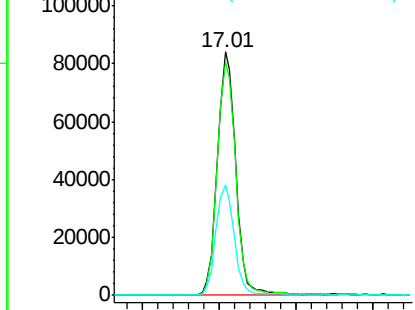
#41
 2,4,6-Tribromophenol
 Concen: 95.651 ng
 RT: 17.01 min Scan# 2335
 Delta R.T. 0.00 min
 Lab File: BG032964.D
 Acq: 3 Mar 2018 3:35

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 139863
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 45.0 25.2 37.8#

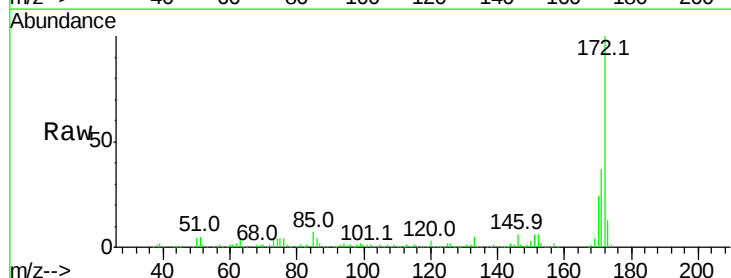


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

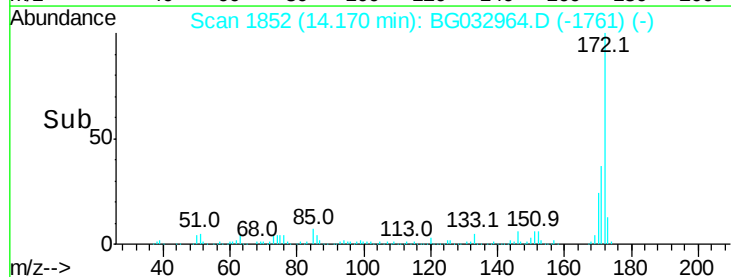
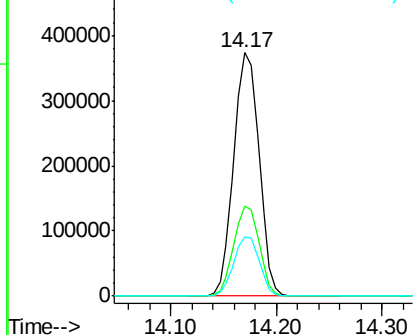


#44
 2-Fluorobiphenyl
 Concen: 64.040 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: BG032964.D
 Acq: 3 Mar 2018 3:35

Tgt Ion:172 Resp: 617484
 Ion Ratio Lower Upper
 172 100
 171 36.9 30.0 45.0
 170 24.2 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





#47

2-Nitroaniline

Concen: 10.188 ng

RT: 14.17 min Scan# 1852

Delta R.T. -0.44 min

Lab File: BG032964.D

Acq: 3 Mar 2018 3:35

Instrument :

BNA_G

ClientSampled :

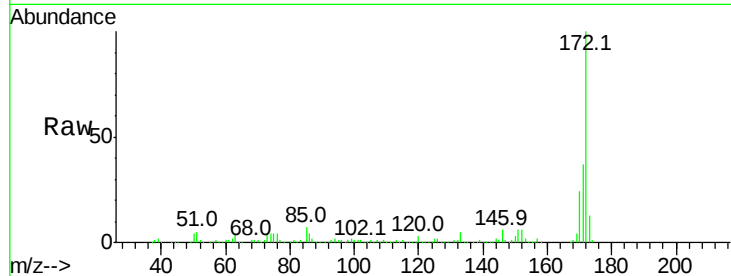
Tot Ion: 65 Resp: 1015

Ion Ratio Lower Upper

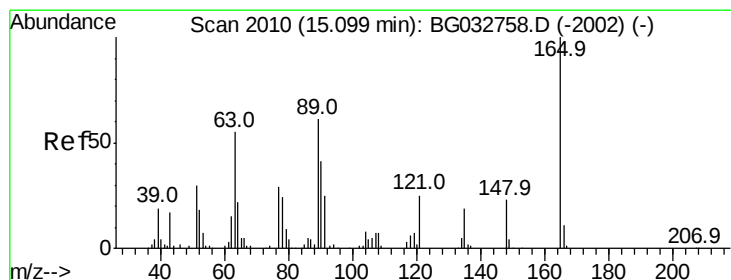
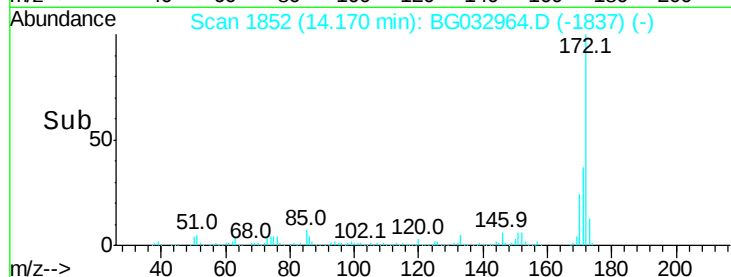
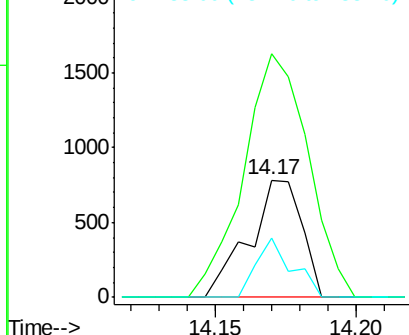
65 100

92 207.3 54.6 82.0#

138 50.6 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#50

2,6-Dinitrotoluene

Concen: 16.383 ng

RT: 15.54 min Scan# 2085

Delta R.T. 0.45 min

Lab File: BG032964.D

Acq: 3 Mar 2018 3:35

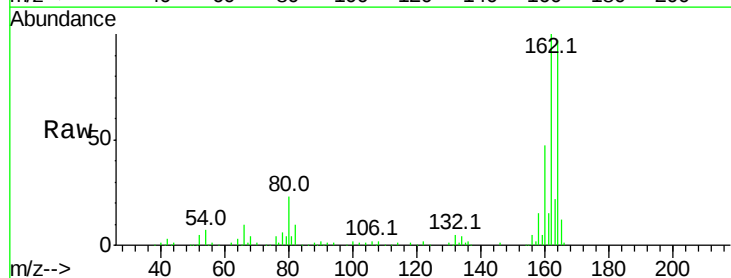
Tgt Ion:165 Resp: 17957

Ion Ratio Lower Upper

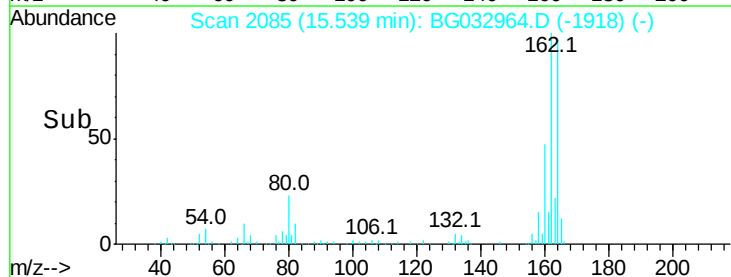
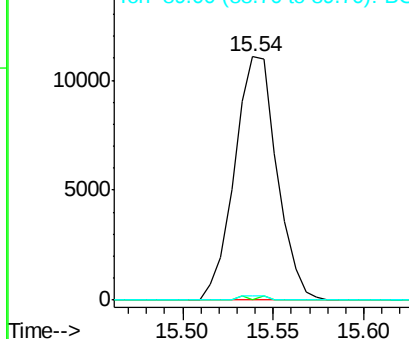
165 100

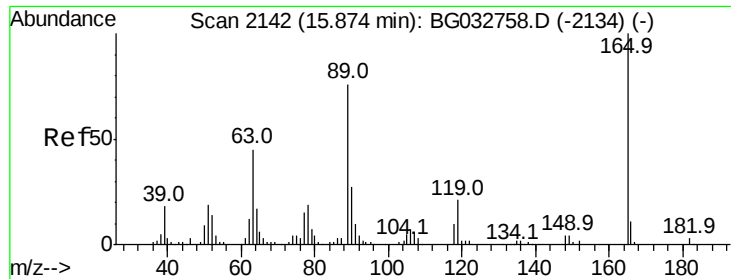
63 0.0 52.7 79.1#

89 1.9 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

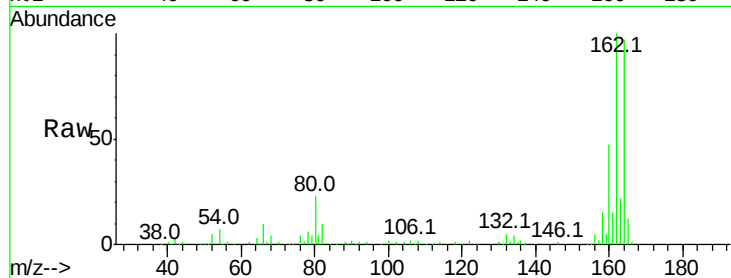




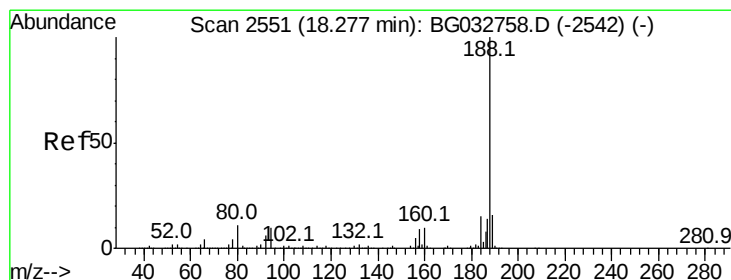
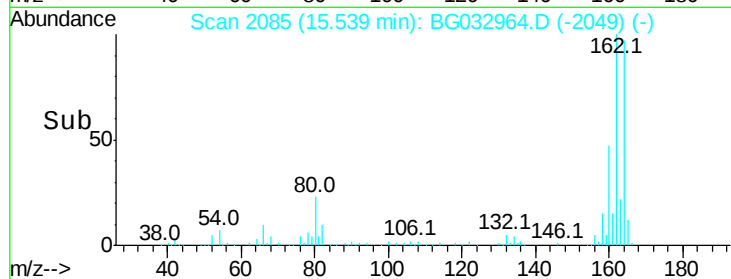
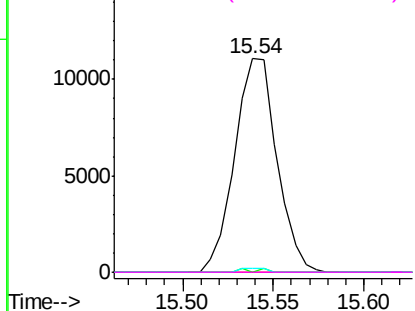
#56
2,4-Dinitrotoluene
Concen: 14.581 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.32 min
Lab File: BG032964.D
Acq: 3 Mar 2018 3:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 17957
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 1.9 66.9 100.3#
182 0.0 2.6 3.8#

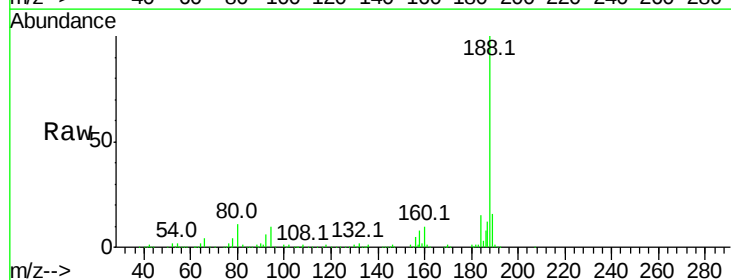


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

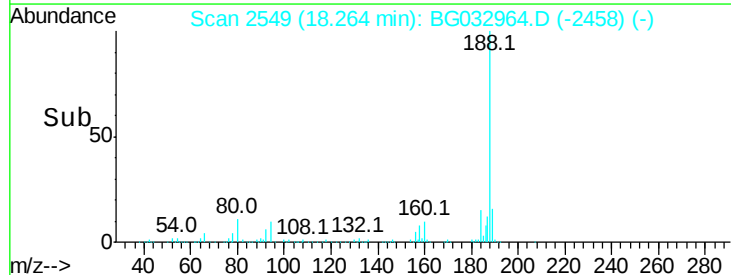
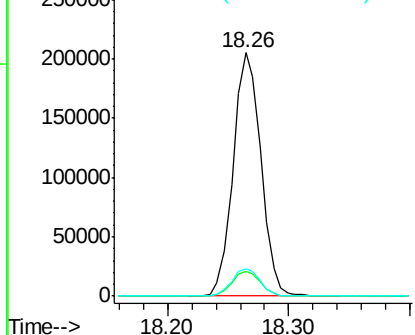


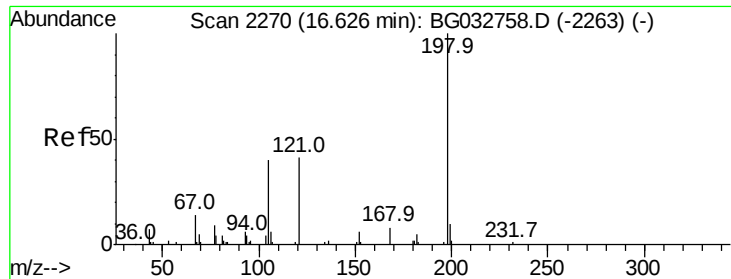
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.26 min Scan# 2549
Delta R.T. 0.00 min
Lab File: BG032964.D
Acq: 3 Mar 2018 3:35

Tgt Ion:188 Resp: 328241
Ion Ratio Lower Upper
188 100
94 10.2 6.9 10.3
80 11.3 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

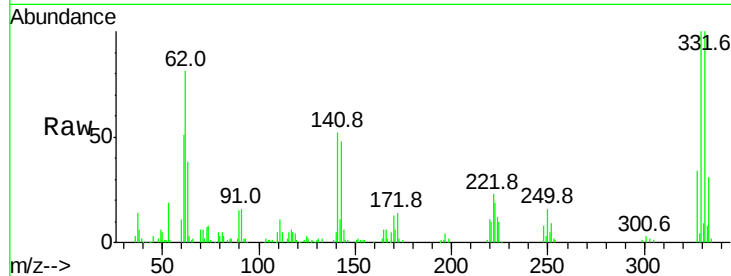




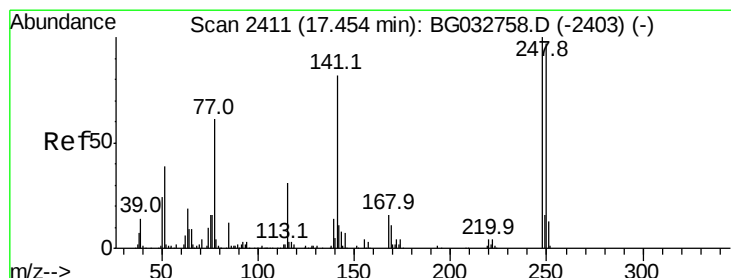
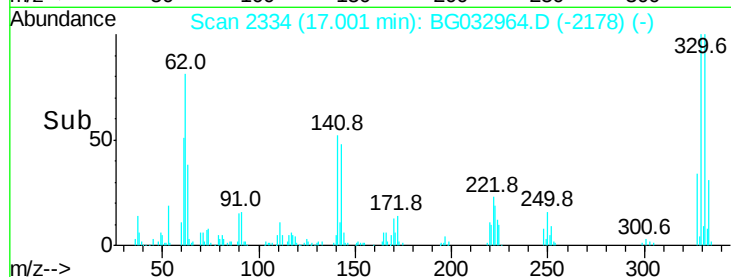
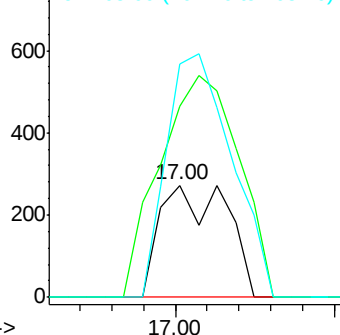
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.462 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. 0.39 min
 Lab File: BG032964.D
 Acq: 3 Mar 2018 3:35

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 396
 Ion Ratio Lower Upper
 198 100
 51 170.7 30.6 70.6#
 105 208.1 23.8 63.8#

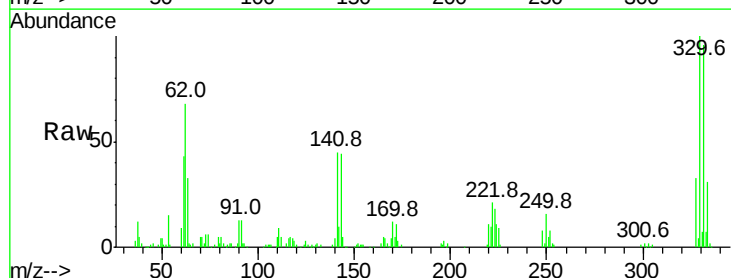


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

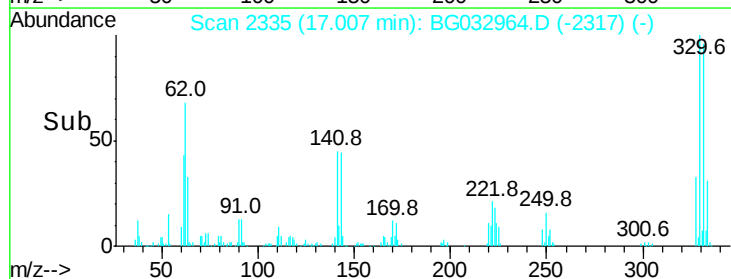
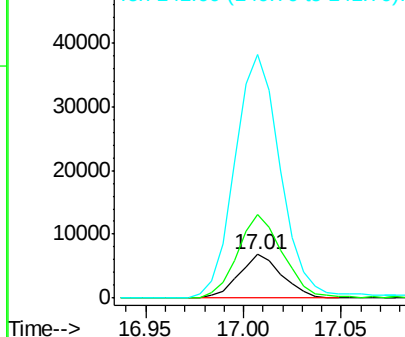


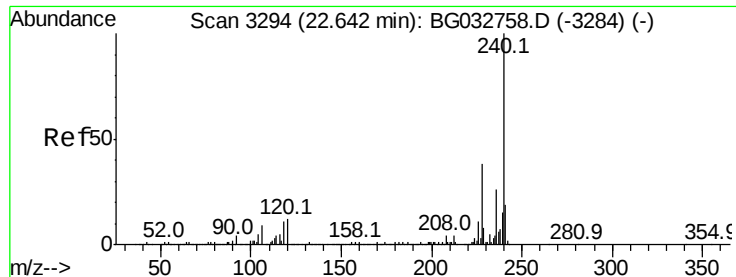
#66
 4-Bromophenyl-phenylether
 Concen: 2.970 ng
 RT: 17.01 min Scan# 2335
 Delta R.T. -0.43 min
 Lab File: BG032964.D
 Acq: 3 Mar 2018 3:35

Tgt Ion:248 Resp: 10310
 Ion Ratio Lower Upper
 248 100
 250 191.9 77.1 115.7#
 141 561.5 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

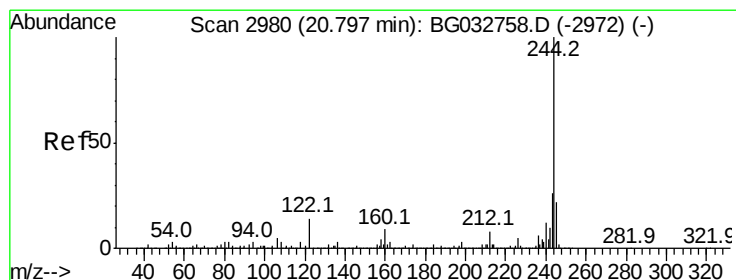
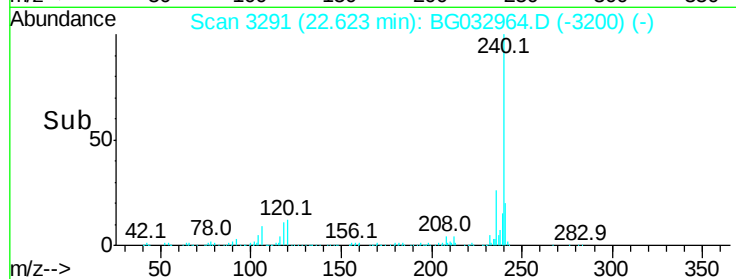
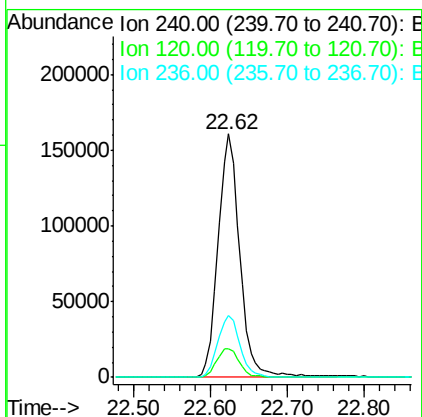
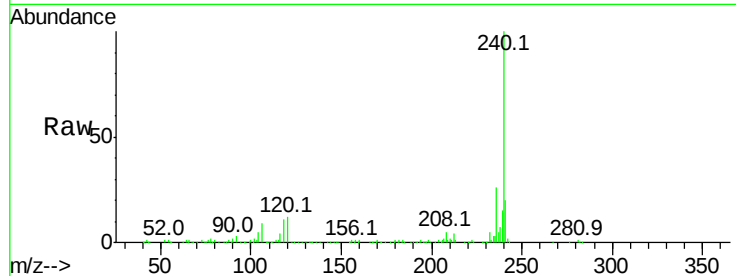




#75
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 22.62 min Scan# 3291
 Delta R.T. 0.00 min
 Lab File: BG032964.D
 Acq: 3 Mar 2018 3:35

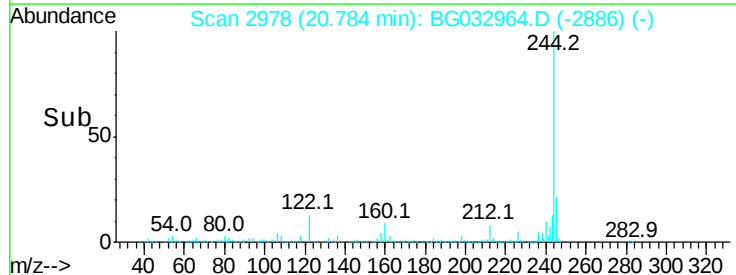
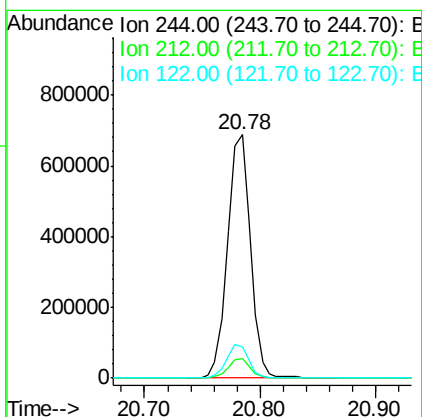
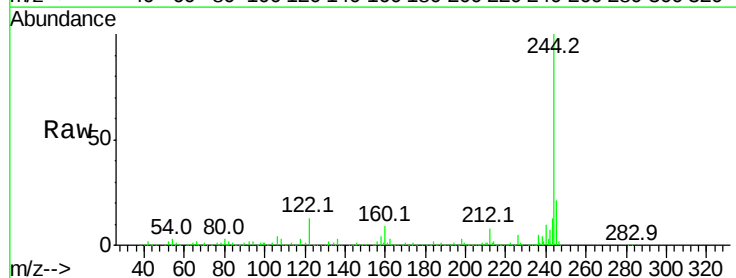
Instrument :
 BNA_G
 ClientSampleId :

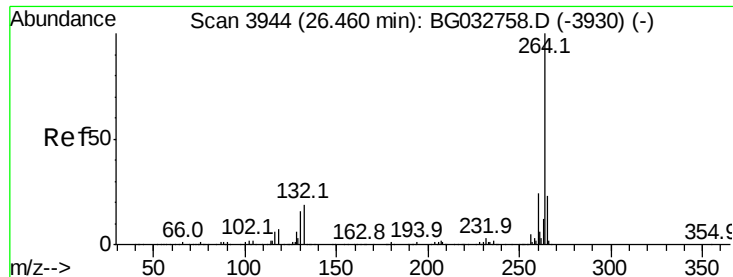
Tot Ion:240 Resp: 314384
 Ion Ratio Lower Upper
 240 100
 120 11.7 6.8 10.2#
 236 25.6 20.9 31.3



#78
 Terphenyl-d14
 Concen: 67.771 ng
 RT: 20.78 min Scan# 2978
 Delta R.T. 0.01 min
 Lab File: BG032964.D
 Acq: 3 Mar 2018 3:35

Tgt Ion:244 Resp: 948322
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.8 8.8
 122 12.6 7.0 10.4#





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.44 min Scan# 3940
 Delta R.T. 0.01 min
 Lab File: BG032964.D
 Acq: 3 Mar 2018 3:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.4	26.0
265	21.4	17.7	26.5

