

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG022318\
 Data File : BG032794.D
 Acq On : 23 Feb 2018 17:41
 Operator : SJ/JU
 Sample : J1652-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 23 18:14:23 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 17:04:54 2018
 Response via : Initial Calibration

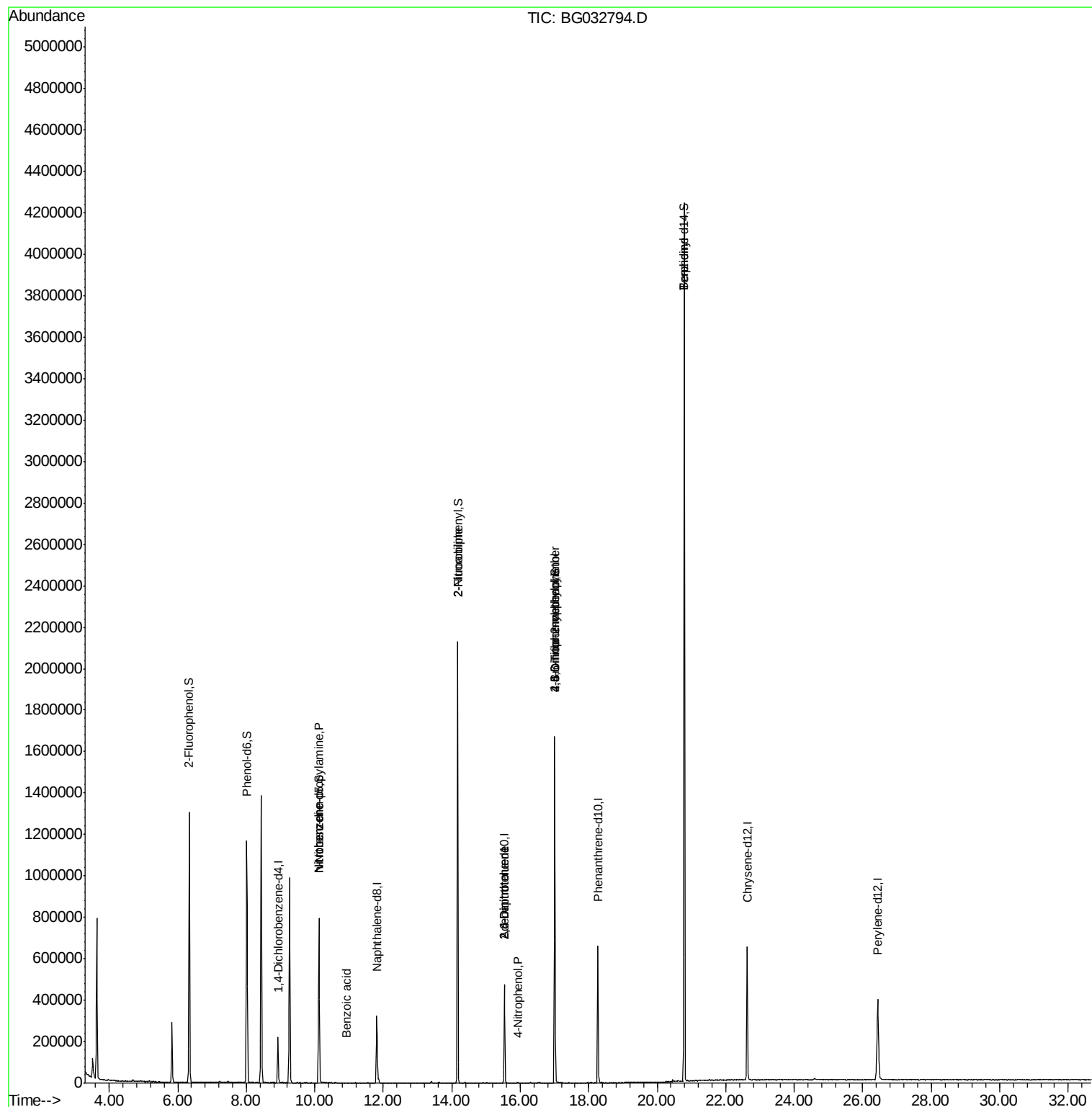
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	68165	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	293427	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	164043	20.00	ng	0.00
63) Phenanthrene-d10	18.27	188	397369	20.00	ng	0.00
75) Chrysene-d12	22.63	240	410478	20.00	ng	0.00
86) Perylene-d12	26.44	264	437525	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	628667	147.55	ng	0.00
7) Phenol-d6	8.02	99	763165	128.50	ng	0.00
23) Nitrobenzene-d5	10.13	82	515168	117.54	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	315302	182.80	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1120257	98.49	ng	0.00
78) Terphenyl-d14	20.79	244	1851348	101.33	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.13	70	66235	15.798	ng	# 82
24) Nitrobenzene	10.12	77	1497	6.658	ng	# 30
32) Benzoic acid	10.94	122	149	5.880	ng	# 1
47) 2-Nitroaniline	14.17	65	1899	10.395	ng	# 1
50) 2,6-Dinitrotoluene	15.54	165	20700	16.212	ng	# 20
55) 4-Nitrophenol	15.93	139	637	7.335	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	20700	14.409	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.01	198	993	6.009	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	22676	5.397	ng	# 1
76) Benzidine	20.79	184	32354	2.312	ng	# 89

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

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BNA_G
ClientSampleId :

Quant Time: Feb 23 18:14:23 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 17:04:54 2018
Response via : Initial Calibration



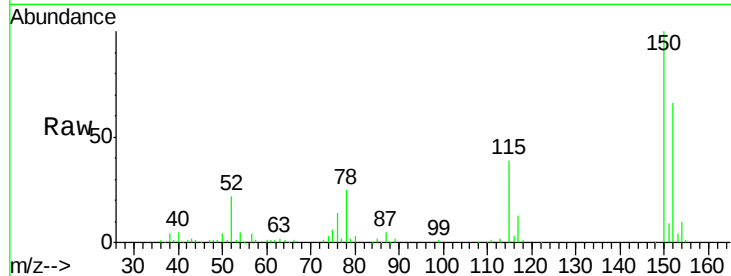


#1

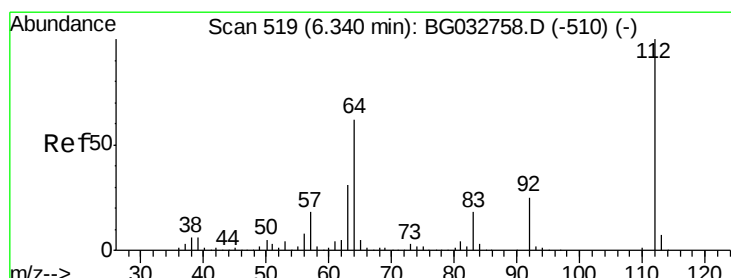
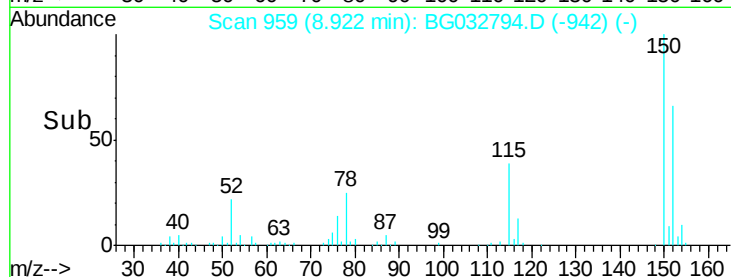
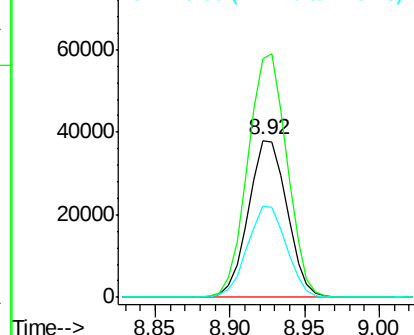
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 959
Delta R.T. -0.00 min
Lab File: BG032794.D
Acq: 23 Feb 2018 17:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 68165
Ion Ratio Lower Upper
152 100
150 151.6 126.6 189.8
115 58.4 53.0 79.4



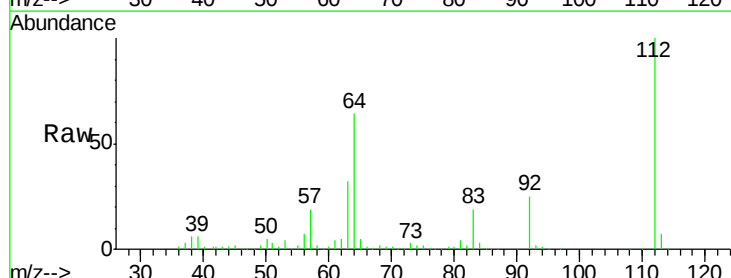
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



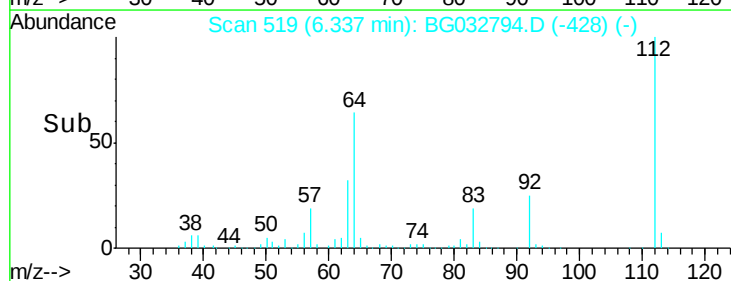
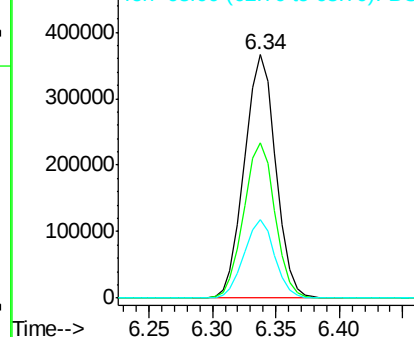
#5

2-Fluorophenol
Concen: 147.550 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.00 min
Lab File: BG032794.D
Acq: 23 Feb 2018 17:41

Tgt Ion:112 Resp: 628667
Ion Ratio Lower Upper
112 100
64 63.5 56.3 84.5
63 32.3 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: 128.504 ng

RT: 8.02 min Scan# 805

Delta R.T. -0.00 min

Lab File: BG032794.D

Acq: 23 Feb 2018 17:41

Instrument :

BNA_G

ClientSampled :

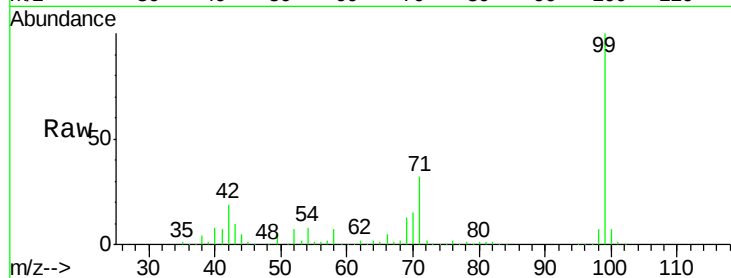
Tot Ion: 99 Resp: 763165

Ion Ratio Lower Upper

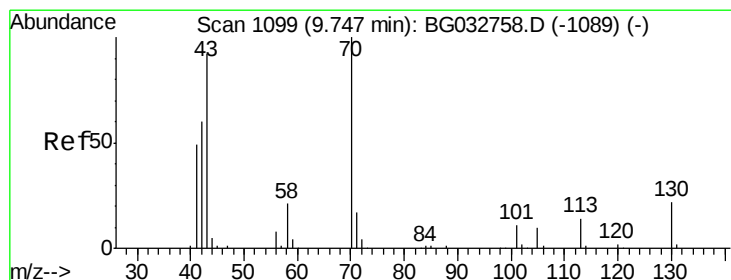
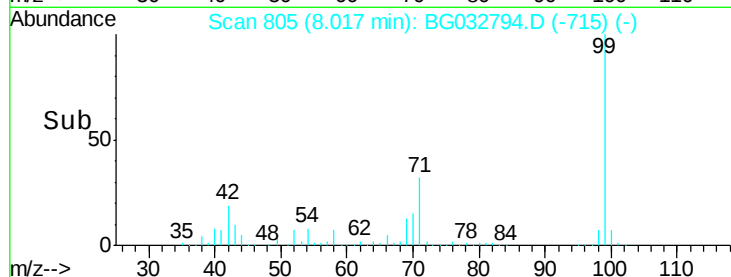
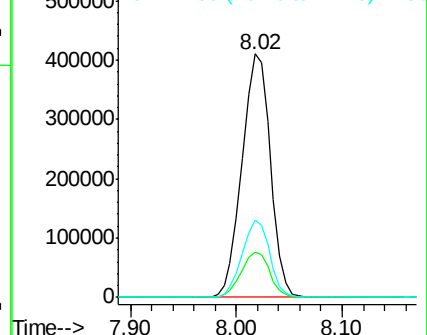
99 100

42 18.8 14.1 21.1

71 31.6 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: 15.798 ng

RT: 10.13 min Scan# 1164

Delta R.T. 0.39 min

Lab File: BG032794.D

Acq: 23 Feb 2018 17:41

Tgt Ion: 70 Resp: 66235

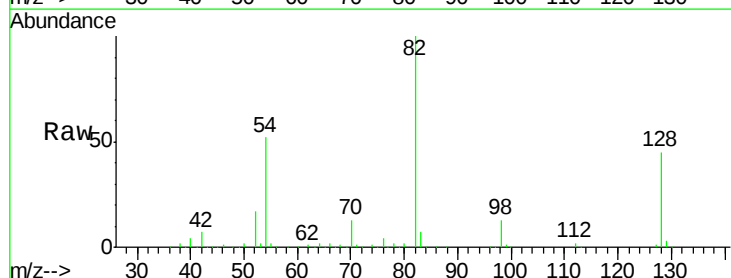
Ion Ratio Lower Upper

70 100

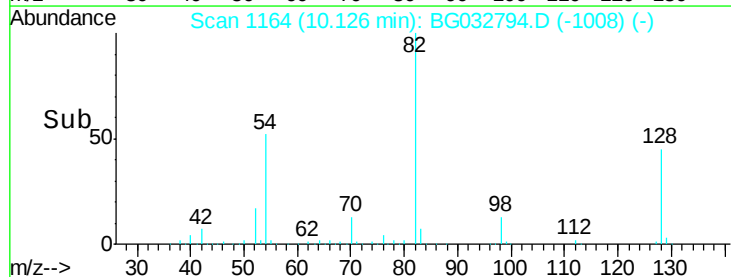
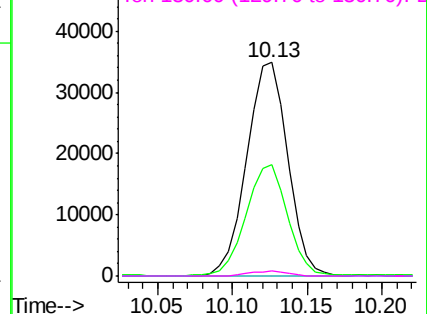
42 51.9 49.1 73.7

101 0.0 8.5 12.7#

130 2.3 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

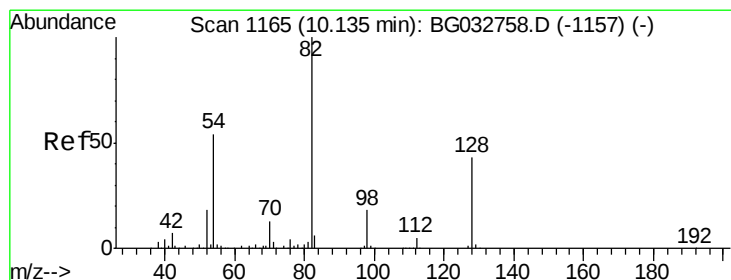
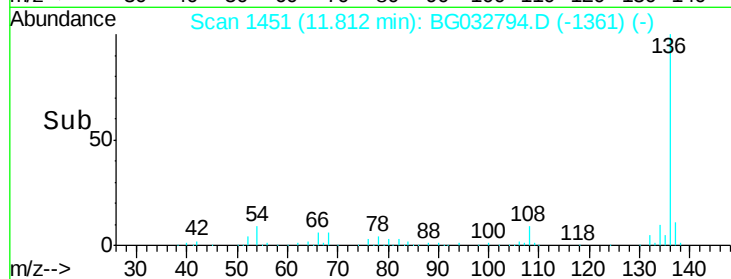
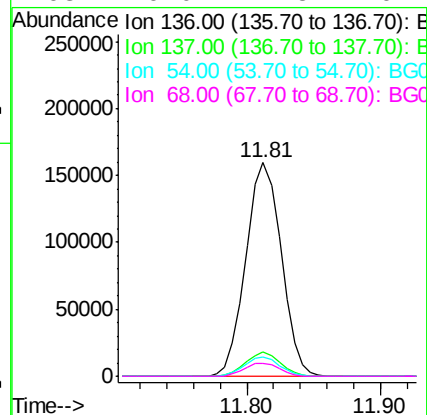
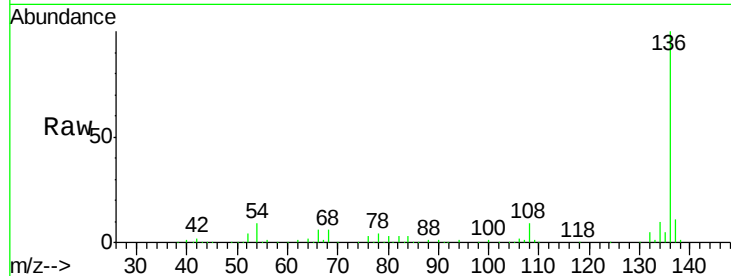




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1451
Delta R.T. -0.00 min
Lab File: BG032794.D
Acq: 23 Feb 2018 17:41

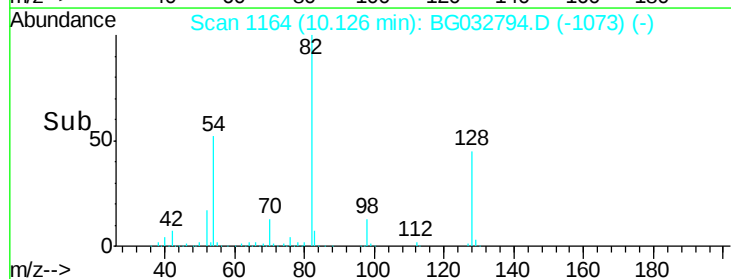
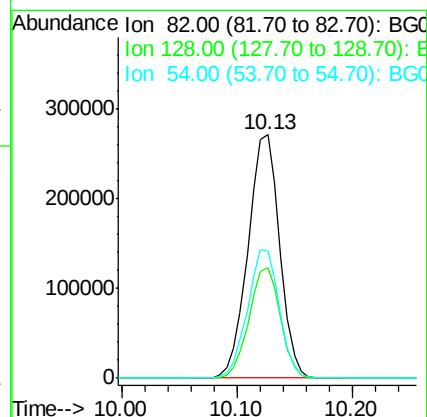
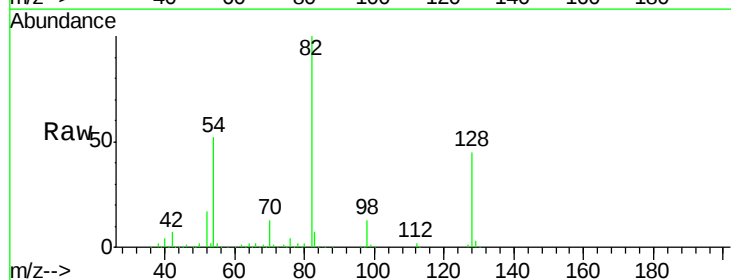
Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	293427
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.2 13.8
54	9.1	10.3 15.5#
68	6.0	4.5 6.7



#23
Nitrobenzene-d5
Concen: 117.541 ng
RT: 10.13 min Scan# 1164
Delta R.T. 0.00 min
Lab File: BG032794.D
Acq: 23 Feb 2018 17:41

Tgt Ion: 82	Resp:	515168
Ion Ratio	Lower	Upper
82	100	
128	45.2	29.7 44.5#
54	52.0	43.1 64.7

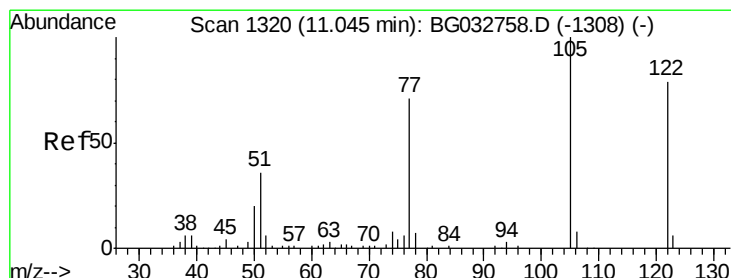
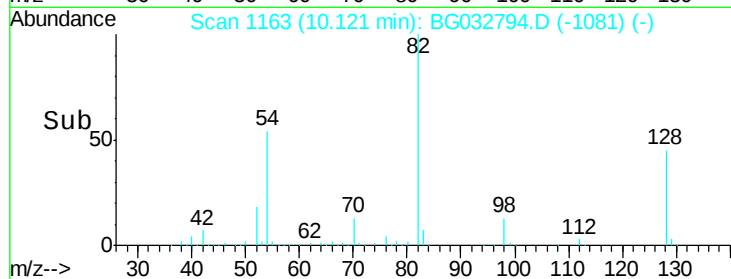
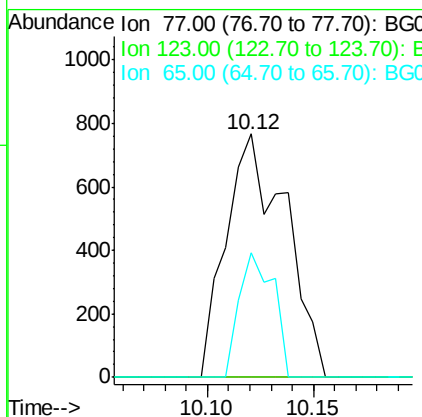
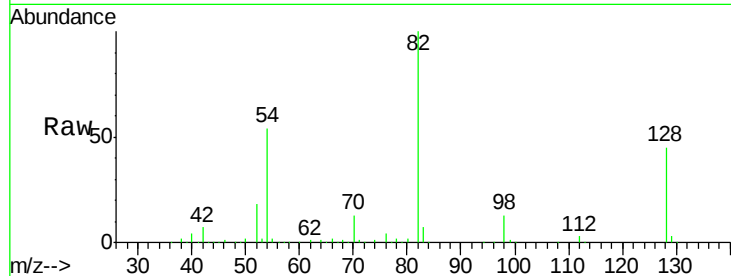




#24
 Nitrobenzene
 Concen: 6.658 ng
 RT: 10.12 min Scan# 1163
 Delta R.T. -0.05 min
 Lab File: BG032794.D
 Acq: 23 Feb 2018 17:41

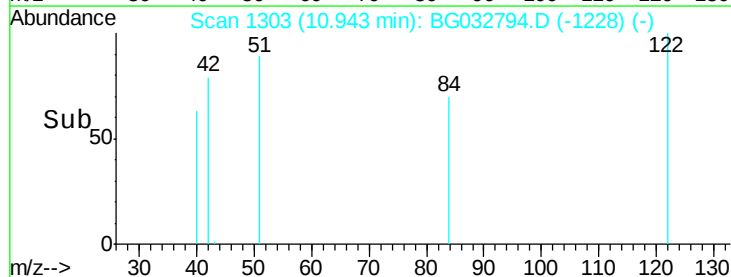
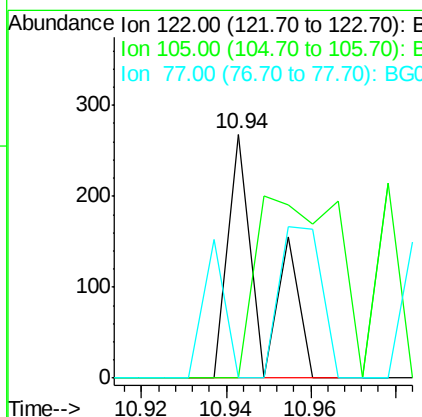
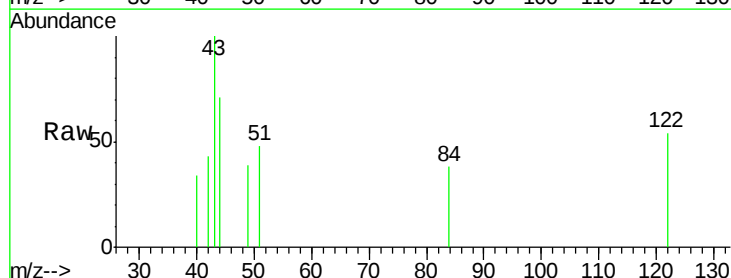
Instrument :
 BNA_G
 ClientSampled :

Tot Ion: 77 Resp: 1497
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 51.4 13.0 19.6#



#32
 Benzoic acid
 Concen: 5.880 ng
 RT: 10.94 min Scan# 1303
 Delta R.T. -0.09 min
 Lab File: BG032794.D
 Acq: 23 Feb 2018 17:41

Tgt Ion: 122 Resp: 149
 Ion Ratio Lower Upper
 122 100
 105 0.0 123.5 163.5#
 77 0.0 85.7 125.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.54 min Scan# 2086

Delta R.T. -0.00 min

Lab File: BG032794.D

Acq: 23 Feb 2018 17:41

Instrument :

BNA_G

ClientSampleId :

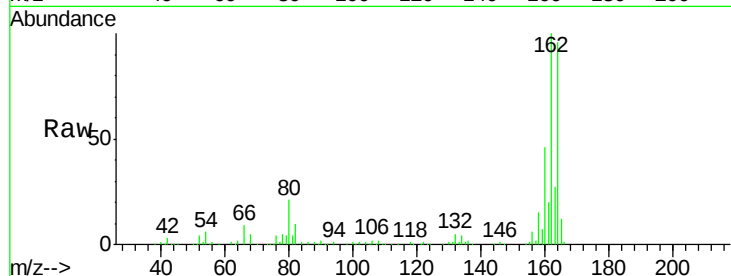
Tot Ion:164 Resp: 164043

Ion Ratio Lower Upper

164 100

162 103.7 78.8 118.2

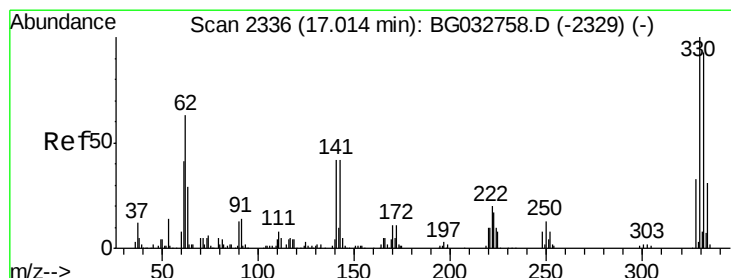
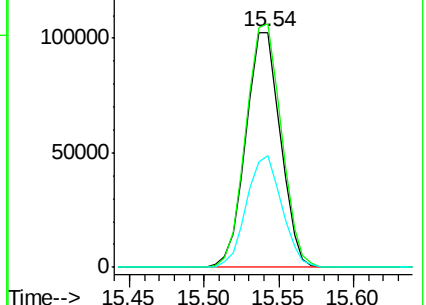
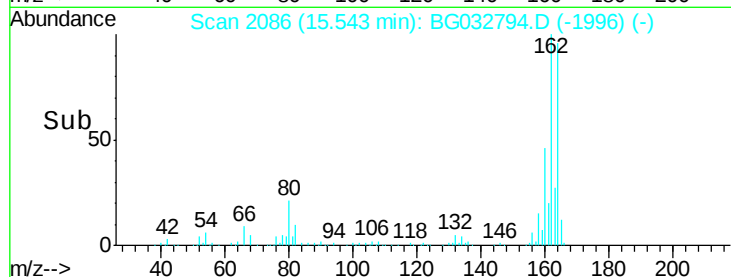
160 47.4 35.4 53.0



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: 182.799 ng

RT: 17.01 min Scan# 2336

Delta R.T. -0.00 min

Lab File: BG032794.D

Acq: 23 Feb 2018 17:41

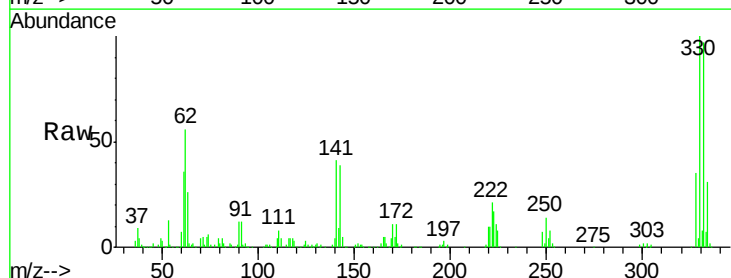
Tgt Ion:330 Resp: 315302

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

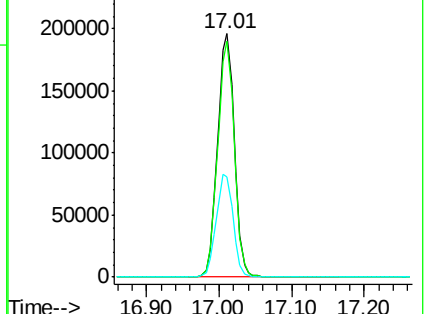
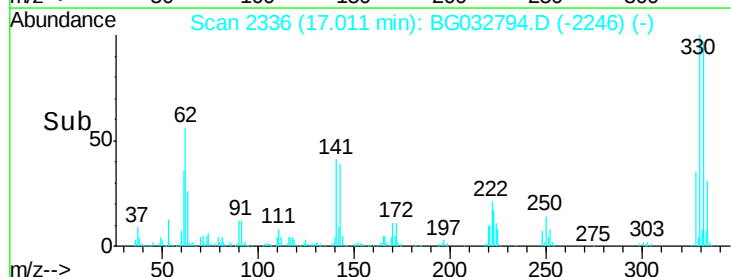
141 42.7 25.2 37.8#

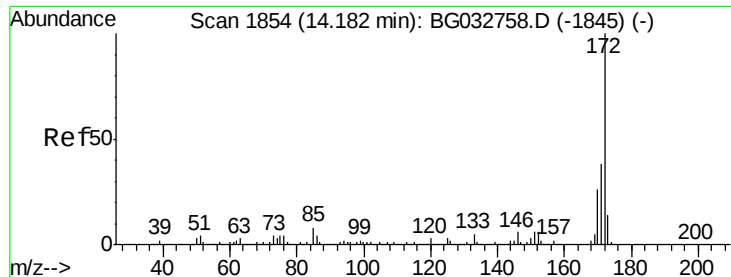


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

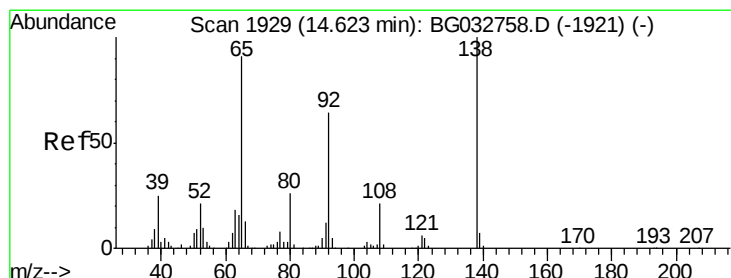
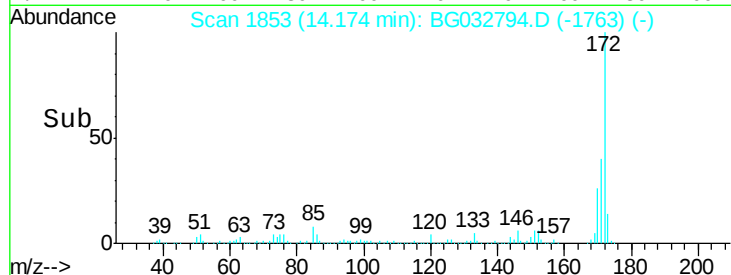
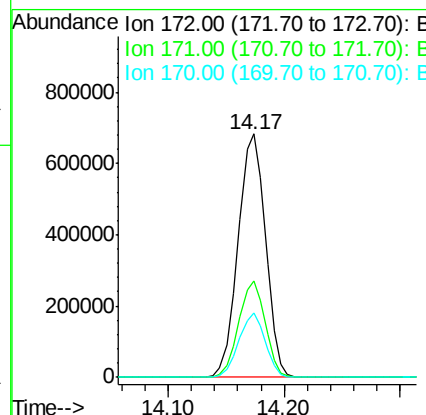
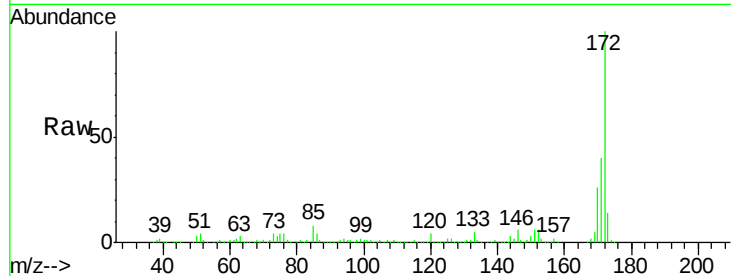




#44
 2-Fluorobiphenyl
 Concen: 98.492 ng
 RT: 14.17 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: BG032794.D
 Acq: 23 Feb 2018 17:41

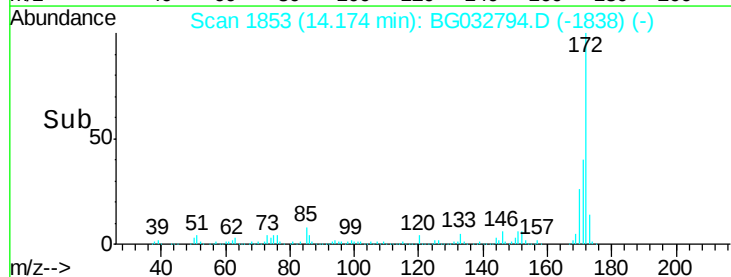
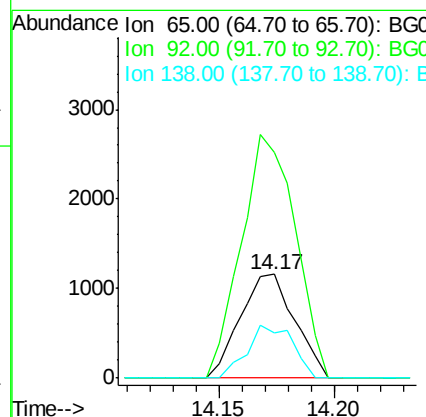
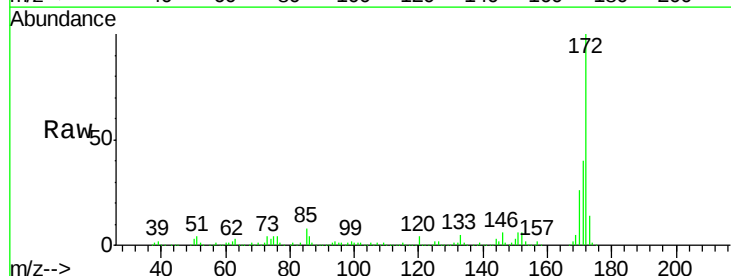
Instrument :
 BNA_G
 ClientSampled :

Tot Ion:172 Resp: 1120257
 Ion Ratio Lower Upper
 172 100
 171 39.7 30.0 45.0
 170 26.3 19.5 29.3



#47
 2-Nitroaniline
 Concen: 10.395 ng
 RT: 14.17 min Scan# 1853
 Delta R.T. -0.44 min
 Lab File: BG032794.D
 Acq: 23 Feb 2018 17:41

Tgt Ion: 65 Resp: 1899
 Ion Ratio Lower Upper
 65 100
 92 217.5 54.6 82.0#
 138 42.9 72.9 109.3#

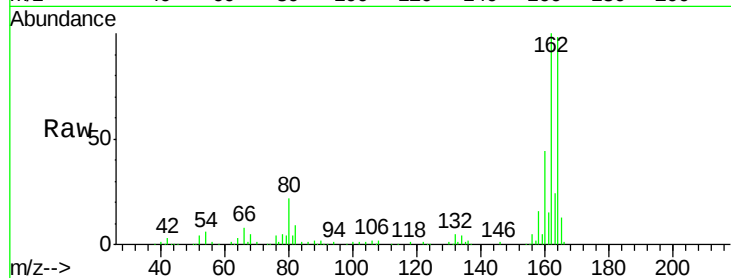




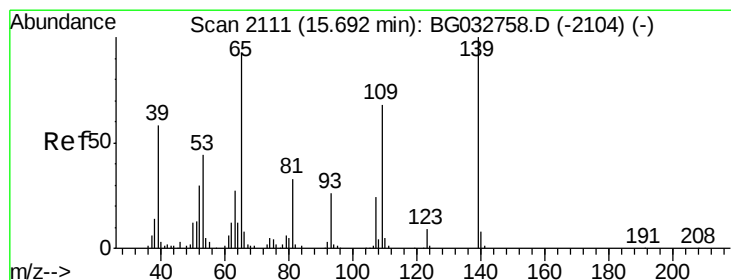
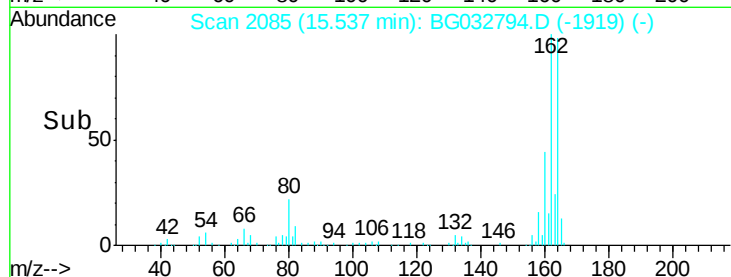
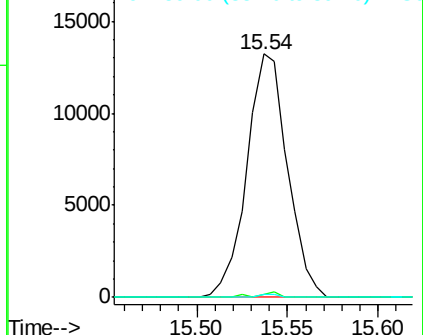
#50
2,6-Dinitrotoluene
Concen: 16.212 ng
RT: 15.54 min Scan# 2085
Delta R.T. 0.44 min
Lab File: BG032794.D
Acq: 23 Feb 2018 17:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 20700
Ion Ratio Lower Upper
165 100
63 1.3 52.7 79.1#
89 1.4 49.2 73.8#

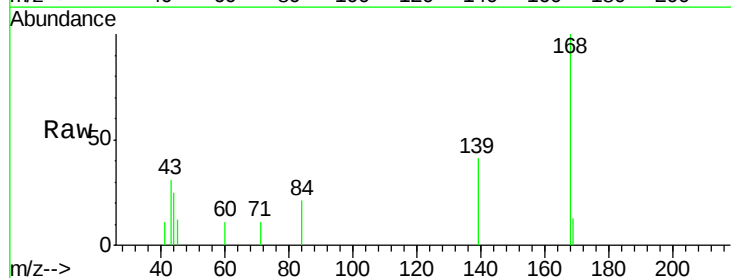


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGO
Ion 89.00 (88.70 to 89.70): BGO

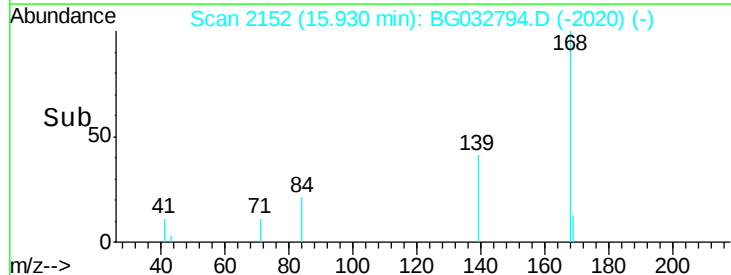
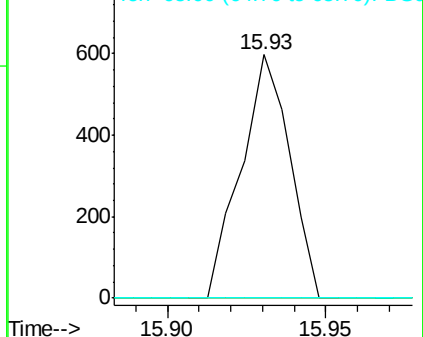


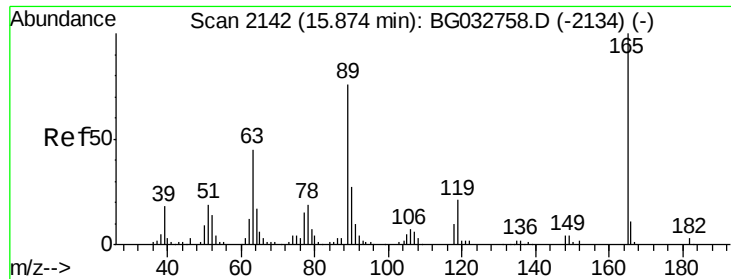
#55
4-Nitrophenol
Concen: 7.335 ng
RT: 15.93 min Scan# 2152
Delta R.T. 0.24 min
Lab File: BG032794.D
Acq: 23 Feb 2018 17:41

Tgt Ion:139 Resp: 637
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): BGO

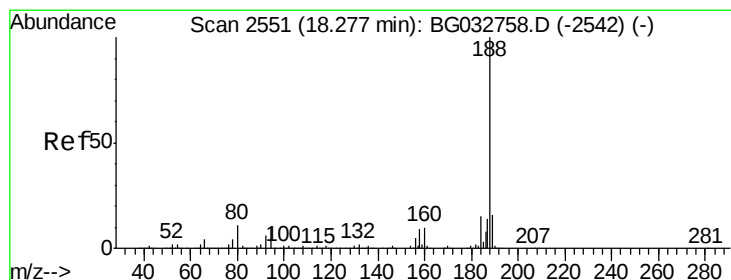
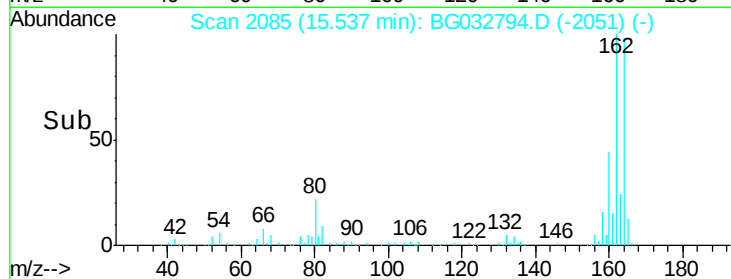
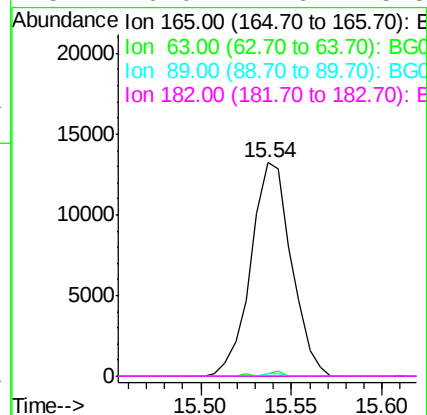
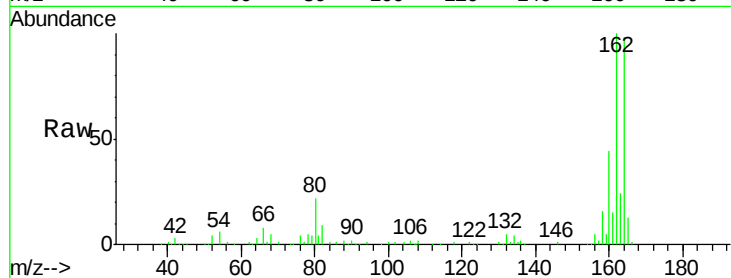




#56
 2,4-Dinitrotoluene
 Concen: 14.409 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. -0.33 min
 Lab File: BG032794.D
 Acq: 23 Feb 2018 17:41

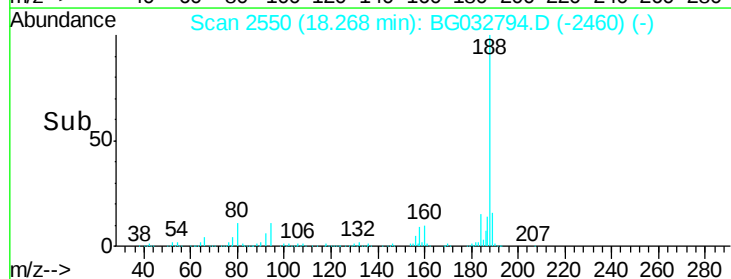
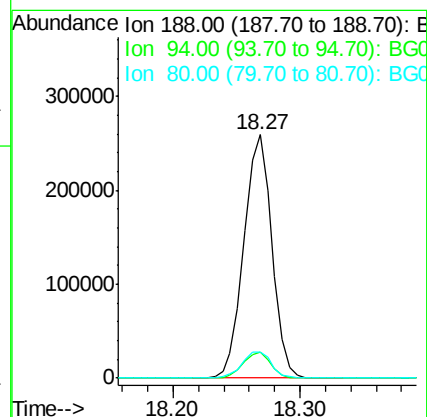
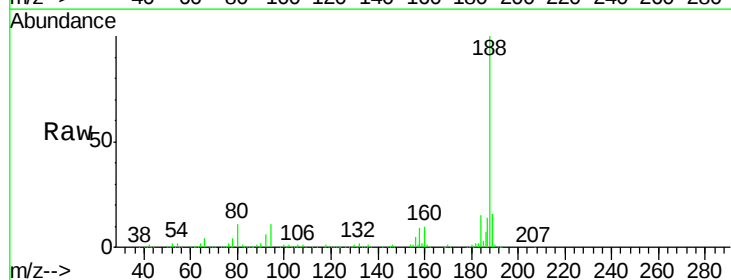
Instrument :
 BNA_G
 ClientSampleId :

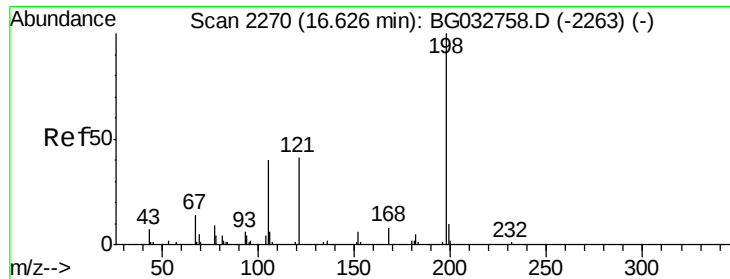
Tot Ion:165	Resp:	20700
Ion Ratio	Lower	Upper
165	100	
63	1.3	42.0 63.0#
89	1.4	66.9 100.3#
182	0.0	2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.27 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: BG032794.D
 Acq: 23 Feb 2018 17:41

Tgt Ion:188	Resp:	397369
Ion Ratio	Lower	Upper
188	100	
94	10.6	6.9 10.3#
80	10.9	7.7 11.5

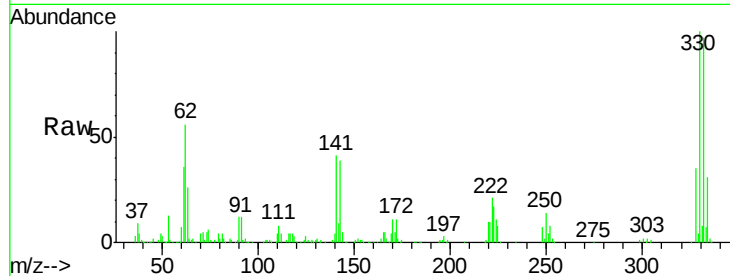




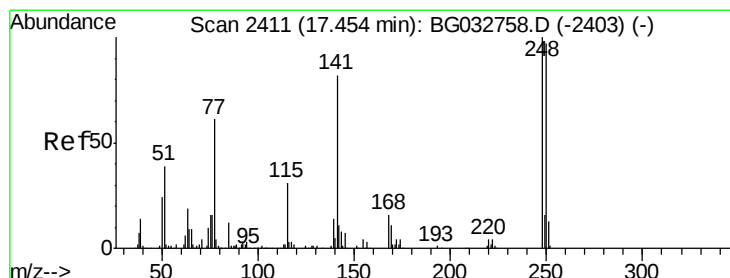
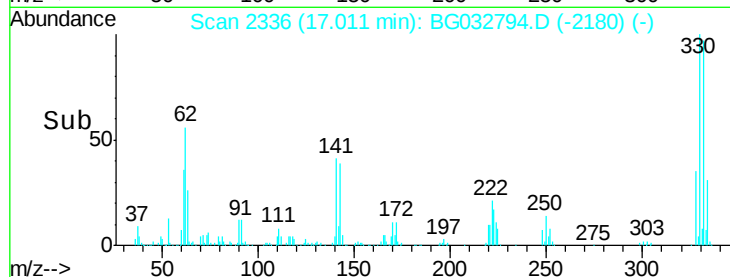
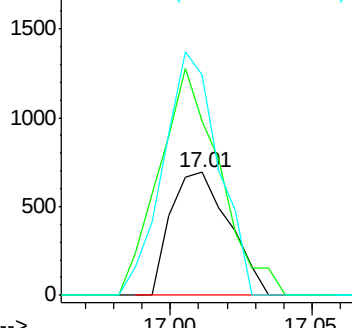
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.009 ng
 RT: 17.01 min Scan# 2336
 Delta R.T. 0.39 min
 Lab File: BG032794.D
 Acq: 23 Feb 2018 17:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 993
 Ion Ratio Lower Upper
 198 100
 51 141.5 30.6 70.6#
 105 179.9 23.8 63.8#

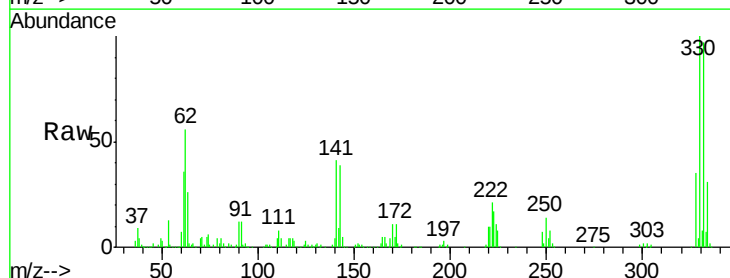


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

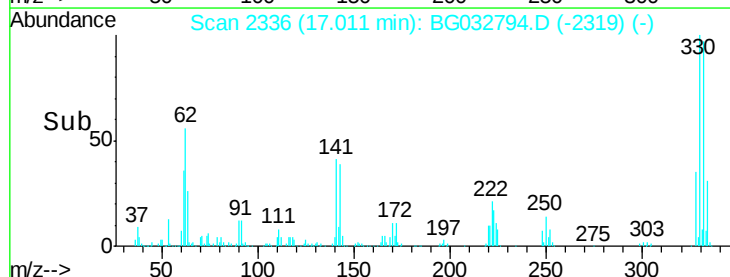
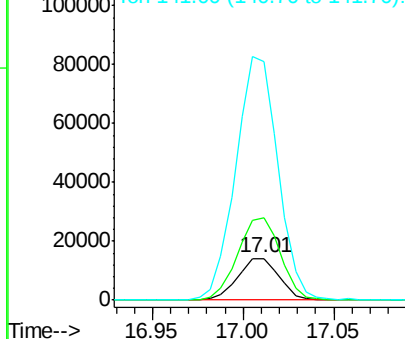


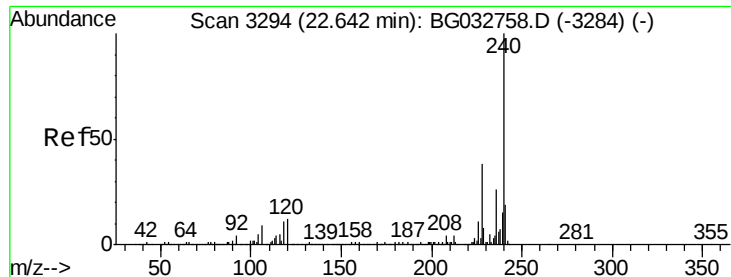
#66
 4-Bromophenyl-phenylether
 Concen: 5.397 ng
 RT: 17.01 min Scan# 2336
 Delta R.T. -0.43 min
 Lab File: BG032794.D
 Acq: 23 Feb 2018 17:41

Tgt Ion:248 Resp: 22676
 Ion Ratio Lower Upper
 248 100
 250 196.1 77.1 115.7#
 141 569.2 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: 22.63 min Scan# 3292

Delta R.T. -0.00 min

Lab File: BG032794.D

Acq: 23 Feb 2018 17:41

Instrument :

BNA_G

ClientSampleId :

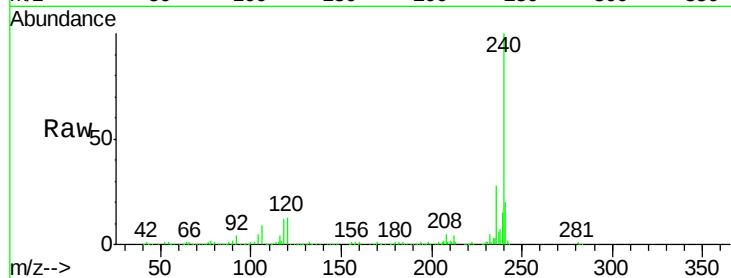
Tot Ion:240 Resp: 410478

Ion Ratio Lower Upper

240 100

120 13.0 6.8 10.2#

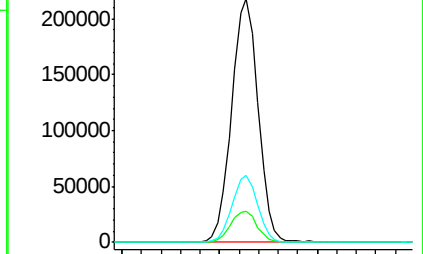
236 27.7 20.9 31.3



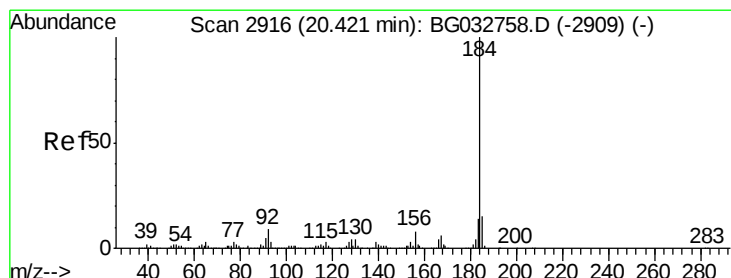
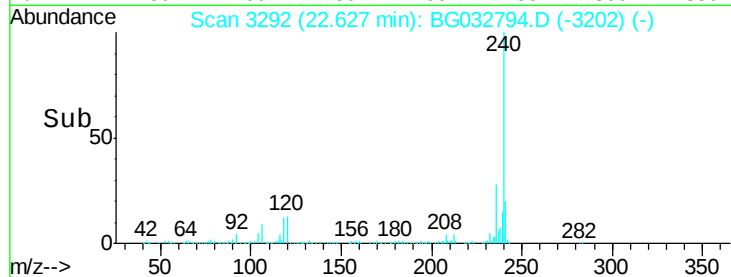
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 22.50 22.60 22.70



#76

Benzidine

Concen: 2.312 ng

RT: 20.79 min Scan# 2979

Delta R.T. 0.37 min

Lab File: BG032794.D

Acq: 23 Feb 2018 17:41

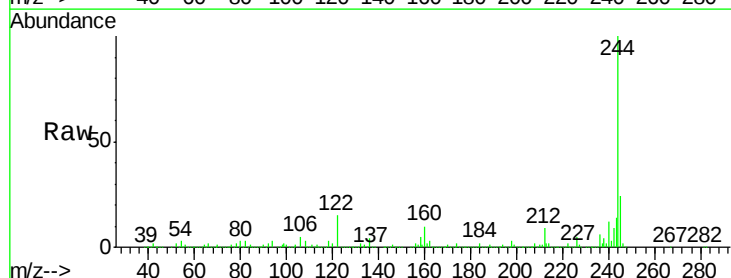
Tgt Ion:184 Resp: 32354

Ion Ratio Lower Upper

184 100

185 19.1 11.1 16.7#

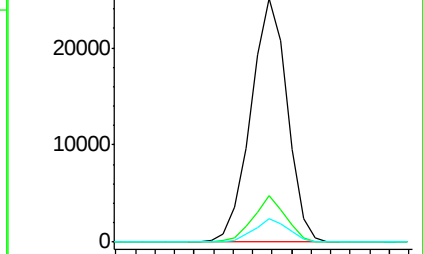
183 9.4 10.6 16.0#



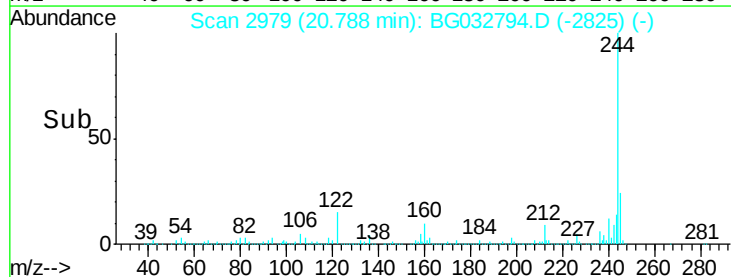
Abundance Ion 184.00 (183.70 to 184.70): E

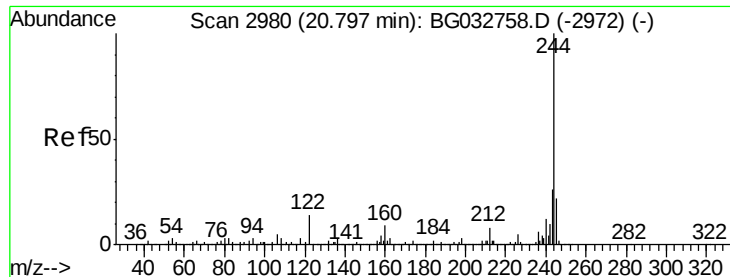
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time--> 20.75 20.80





#78

Terphenyl-d14

Concen: 101.333 ng

RT: 20.79 min Scan# 2979

Delta R.T. -0.00 min

Lab File: BG032794.D

Acq: 23 Feb 2018 17:41

Instrument :

BNA_G

ClientSampleId :

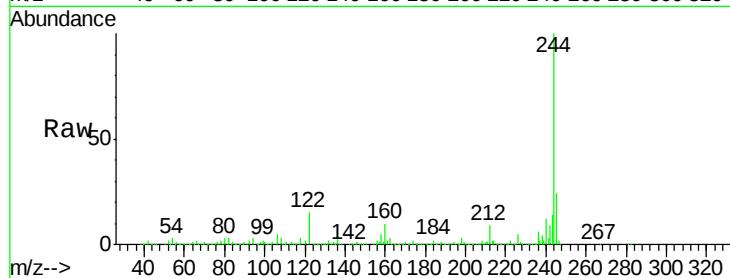
Tot Ion:244 Resp: 1851348

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

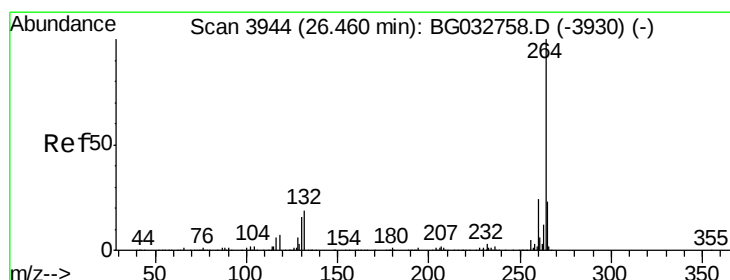
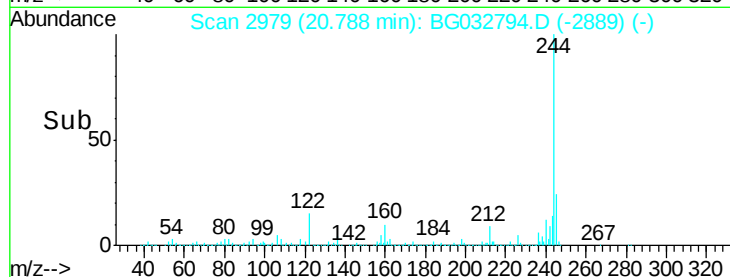
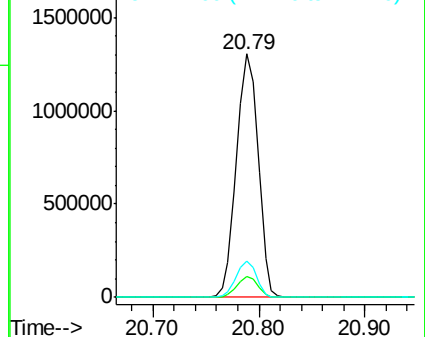
122 15.1 7.0 10.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 26.44 min Scan# 3941

Delta R.T. -0.01 min

Lab File: BG032794.D

Acq: 23 Feb 2018 17:41

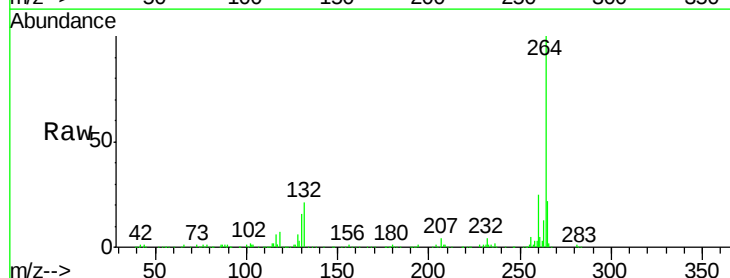
Tgt Ion:264 Resp: 437525

Ion Ratio Lower Upper

264 100

260 24.5 17.4 26.0

265 21.8 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

