

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022318\
 Data File : BG032796.D
 Acq On : 23 Feb 2018 18:56
 Operator : SJ/JU
 Sample : J1652-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 23 21:49:34 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

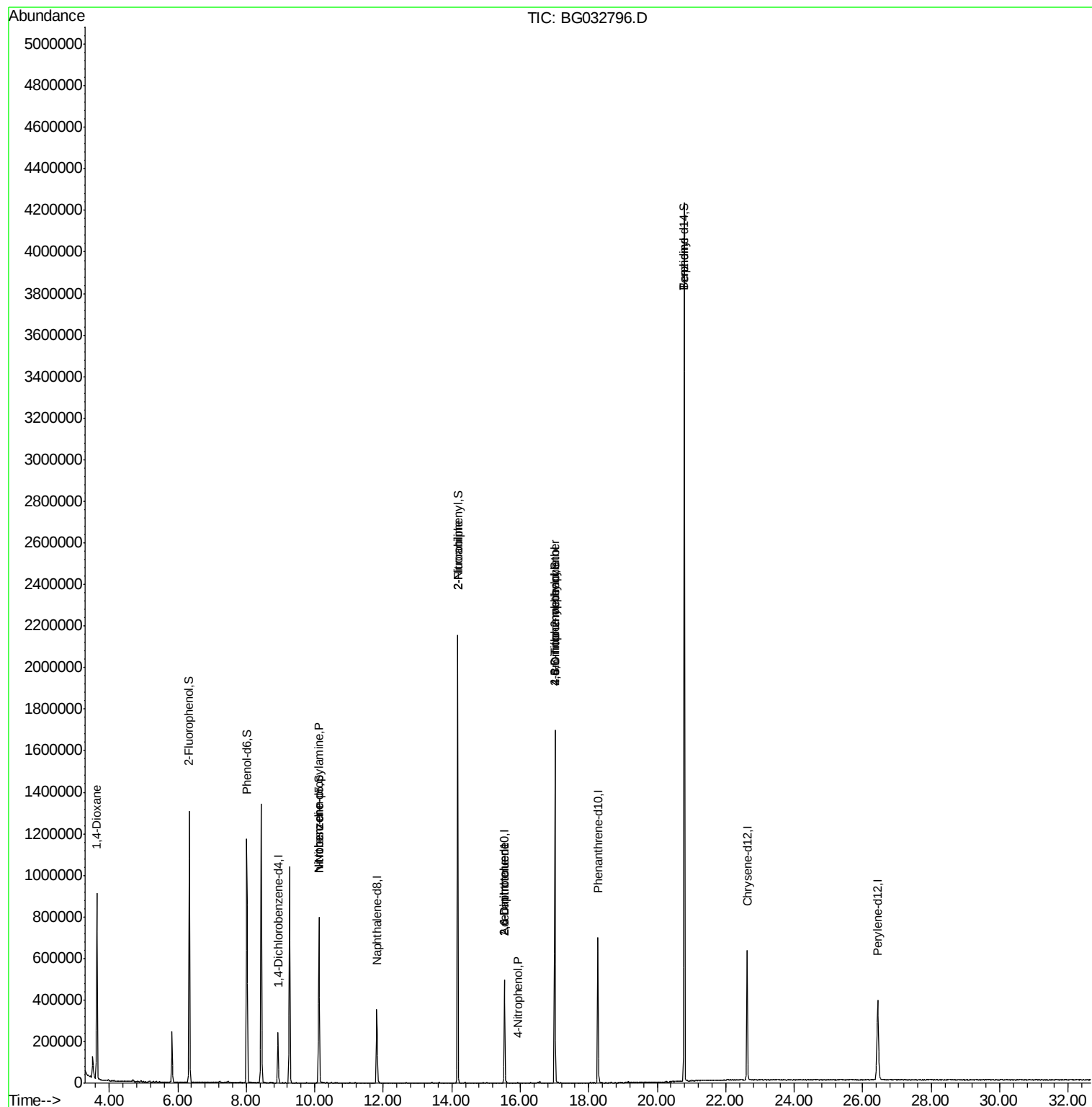
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.93	152	74896	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	318802	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	175717	20.00	ng	0.00
63) Phenanthrene-d10	18.27	188	419877	20.00	ng	0.00
75) Chrysene-d12	22.63	240	418809	20.00	ng	0.00
86) Perylene-d12	26.44	264	441707	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	634763	135.59	ng	0.00
7) Phenol-d6	8.02	99	761108	116.64	ng	0.00
23) Nitrobenzene-d5	10.13	82	504967	107.01	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	304739	164.94	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1111303	91.21	ng	0.00
78) Terphenyl-d14	20.79	244	1784273	95.72	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.64	88	8932	4.40	ng	# 1
19) n-Nitroso-di-n-propylamine	10.13	70	65577	14.24	ng	# 82
24) Nitrobenzene	10.13	77	1586	6.65	ng	# 36
47) 2-Nitroaniline	14.17	65	2059	10.40	ng	# 1
50) 2,6-Dinitrotoluene	15.54	165	22774	16.41	ng	# 20
55) 4-Nitrophenol	15.93	139	631	7.32	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	22774	14.61	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.01	198	426	5.38	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	20983	4.73	ng	# 1
76) Benzidine	20.79	184	30747	2.15	ng	# 91

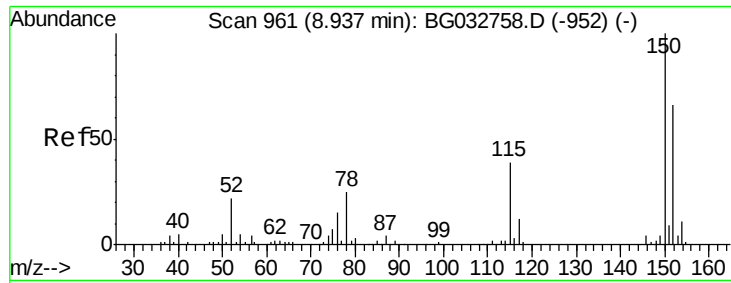
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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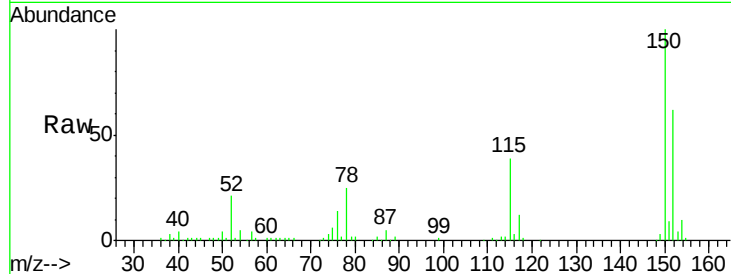


#1

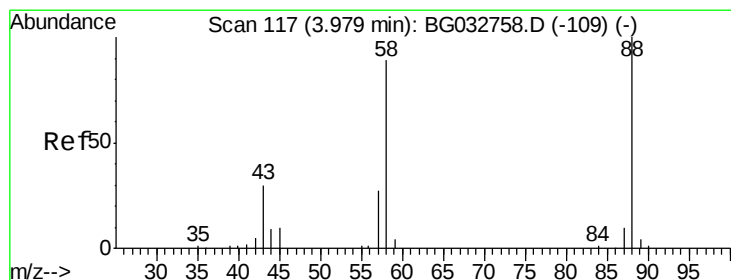
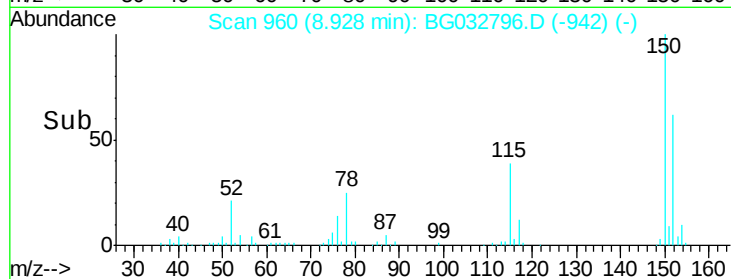
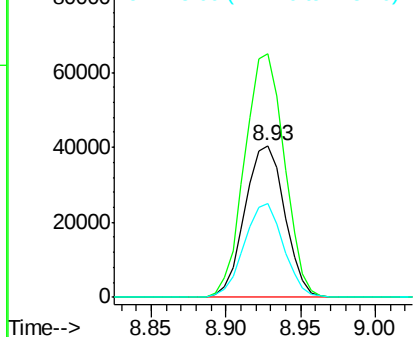
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.93 min Scan# 960
Delta R.T. 0.00 min
Lab File: BG032796.D
Acq: 23 Feb 2018 18:56

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 74896
Ion Ratio Lower Upper
152 100
150 160.1 126.6 189.8
115 61.8 53.0 79.4



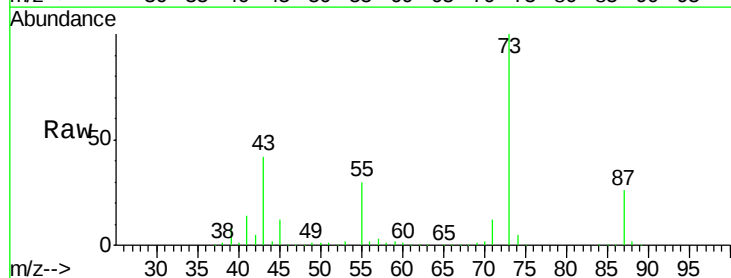
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



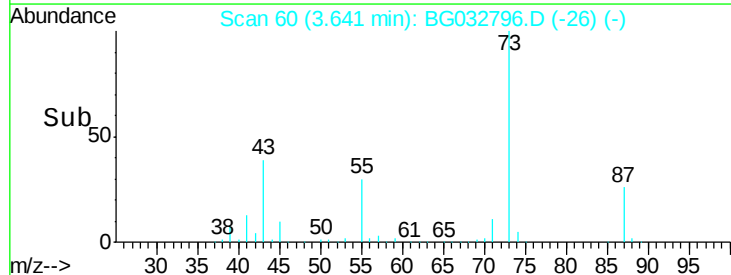
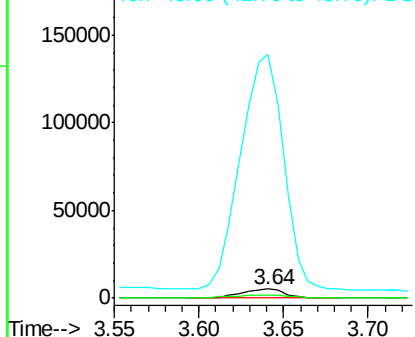
#2

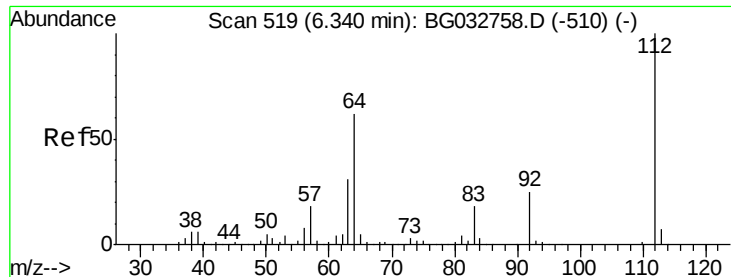
1,4-Dioxane
Concen: 4.40 ng
RT: 3.64 min Scan# 60
Delta R.T. -0.33 min
Lab File: BG032796.D
Acq: 23 Feb 2018 18:56

Tgt Ion: 88 Resp: 8932
Ion Ratio Lower Upper
88 100
58 34.6 79.6 119.4#
43 2776.6 27.4 41.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 135.59 ng

RT: 6.34 min Scan# 519

Delta R.T. 0.00 min

Lab File: BG032796.D

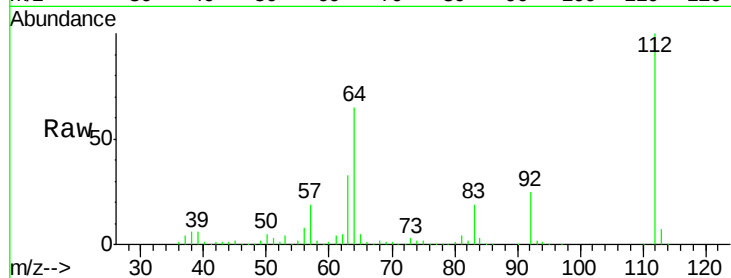
Acq: 23 Feb 2018 18:56

Instrument :

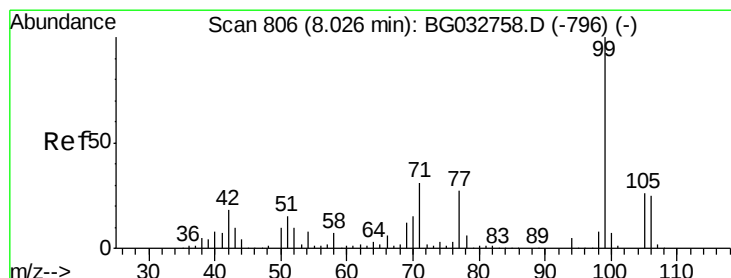
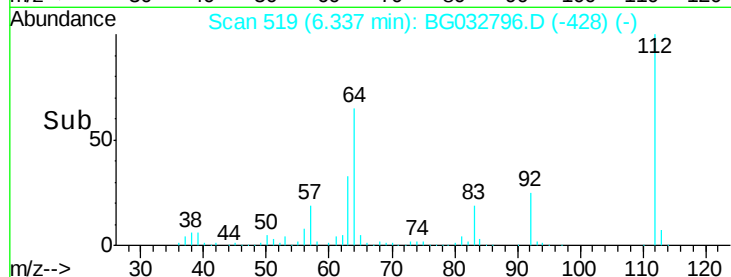
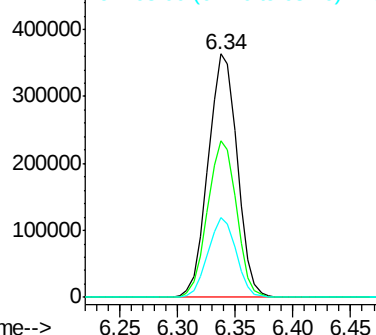
BNA_G

ClientSampled :

Tot Ion:	112	Resp:	634763
Ion	Ratio	Lower	Upper
112	100		
64	64.6	56.3	84.5
63	32.8	30.1	45.1



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



#7

Phenol-d6

Concen: 116.64 ng

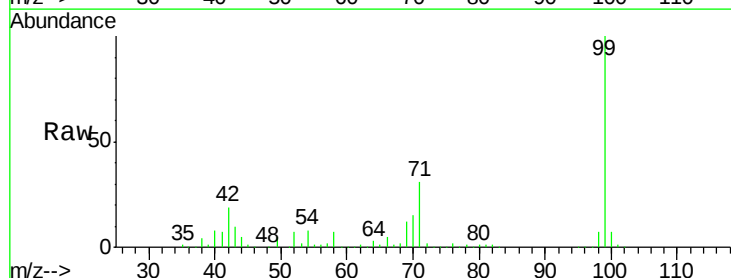
RT: 8.02 min Scan# 805

Delta R.T. -0.00 min

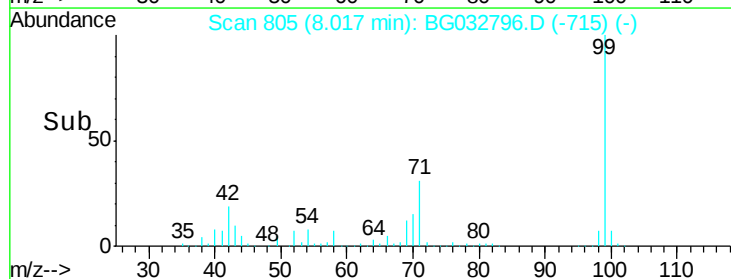
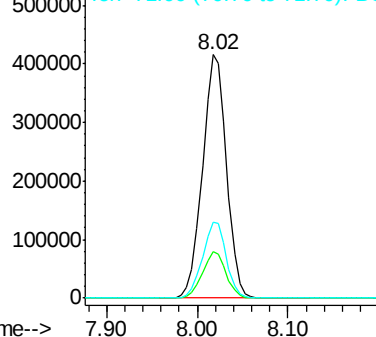
Lab File: BG032796.D

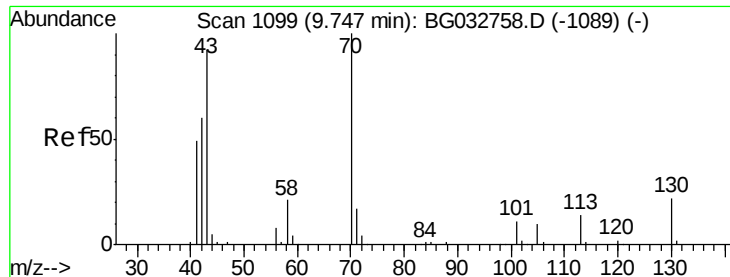
Acq: 23 Feb 2018 18:56

Tgt Ion:	99	Resp:	761108
Ion	Ratio	Lower	Upper
99	100		
42	19.1	14.1	21.1
71	30.9	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

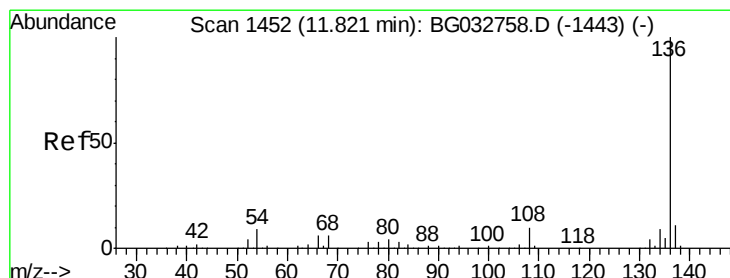
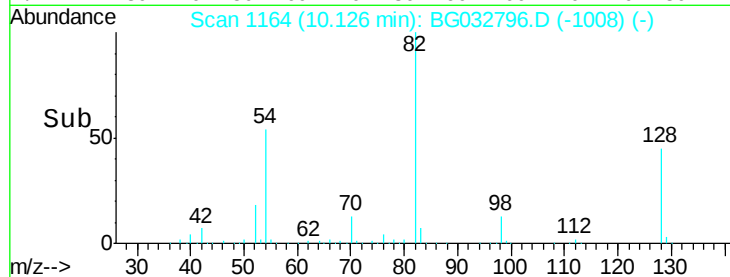
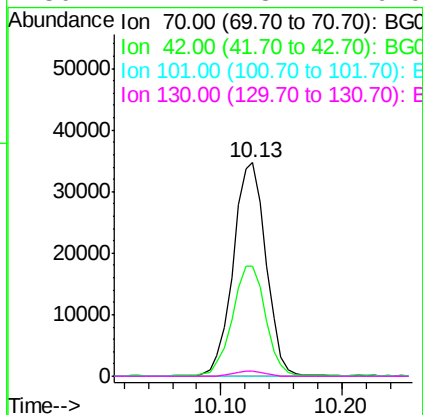
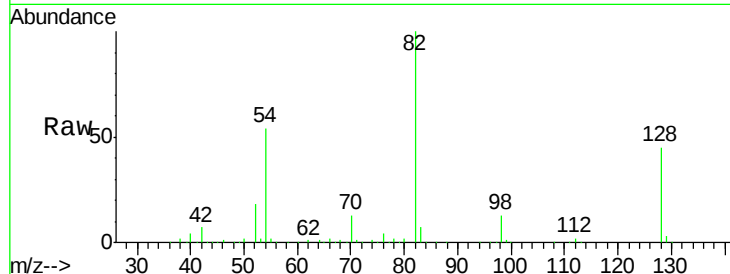




#19
n-Nitroso-di-n-propylamine
Concen: 14.24 ng
RT: 10.13 min Scan# 1164
Delta R.T. 0.39 min
Lab File: BG032796.D
Acq: 23 Feb 2018 18:56

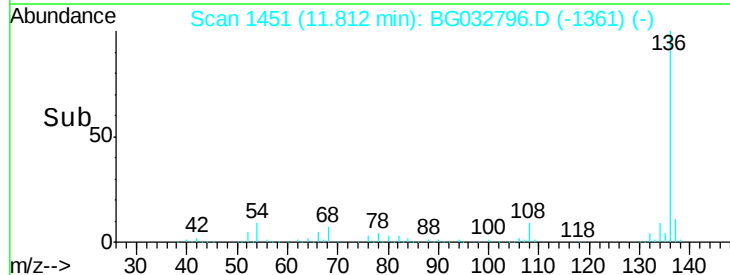
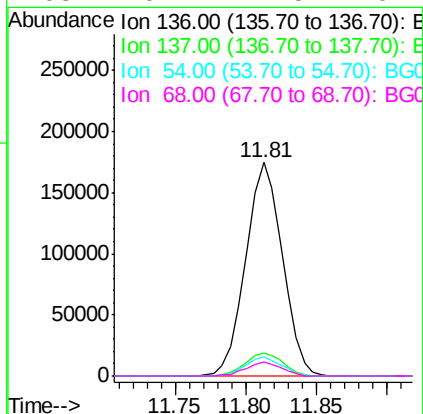
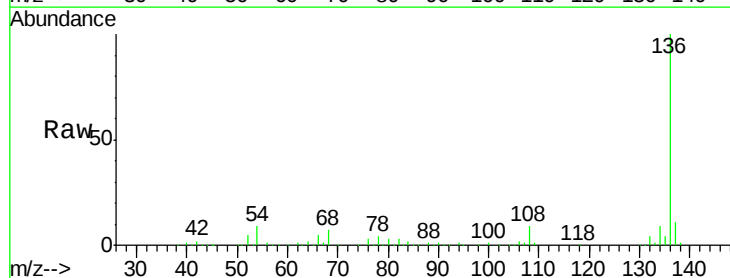
Instrument :
BNA_G
ClientSampleId :

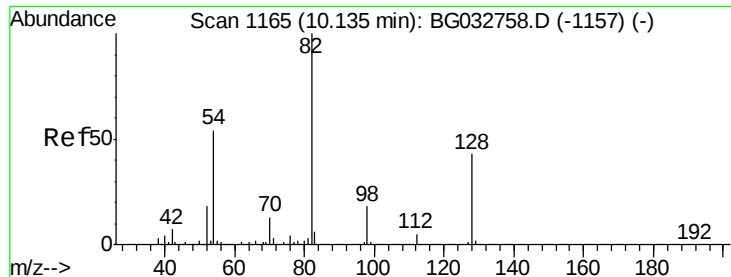
Tot Ion: 70 Resp: 65577
Ion Ratio Lower Upper
70 100
42 51.8 49.1 73.7
101 0.0 8.5 12.7#
130 2.2 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.81 min Scan# 1451
Delta R.T. -0.00 min
Lab File: BG032796.D
Acq: 23 Feb 2018 18:56

Tgt Ion: 136 Resp: 318802
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 9.0 10.3 15.5#
68 6.7 4.5 6.7#

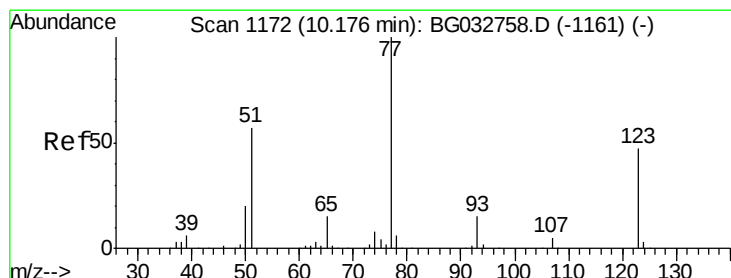
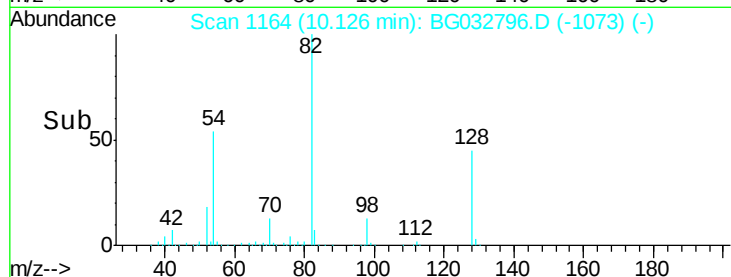
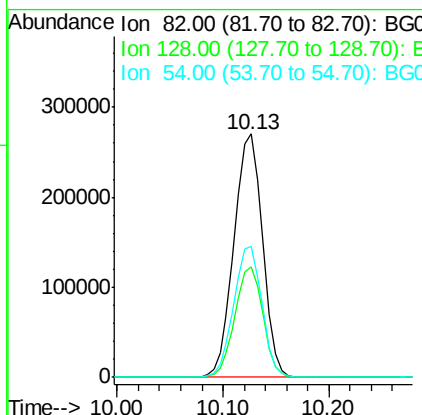
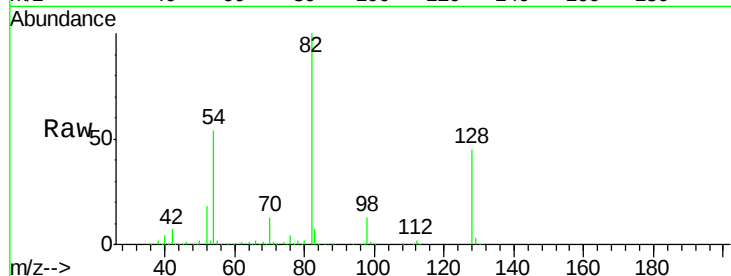




#23
 Nitrobenzene-d5
 Concen: 107.01 ng
 RT: 10.13 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: BG032796.D
 Acq: 23 Feb 2018 18:56

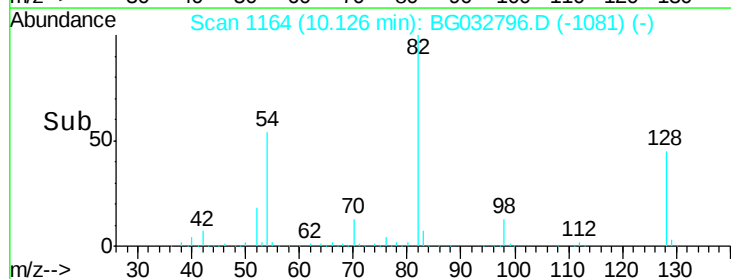
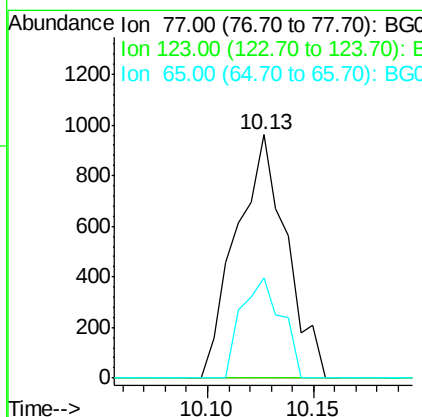
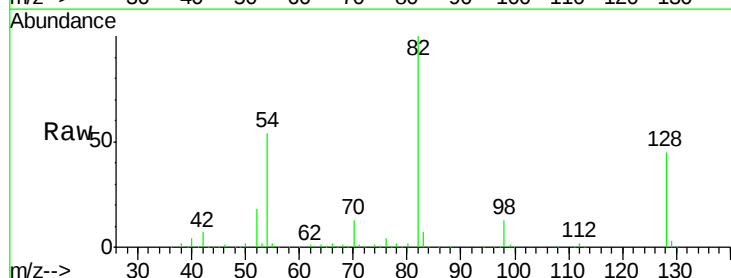
Instrument :
 BNA_G
 ClientSampled :

Tot Ion	82	Resp	504967
Ion Ratio	Lower	Upper	
82	100		
128	45.3	29.7	44.5#
54	53.5	43.1	64.7



#24
 Nitrobenzene
 Concen: 6.65 ng
 RT: 10.13 min Scan# 1164
 Delta R.T. -0.04 min
 Lab File: BG032796.D
 Acq: 23 Feb 2018 18:56

Tgt Ion	77	Resp	1586
Ion Ratio	Lower	Upper	
77	100		
123	0.0	33.0	49.6#
65	41.3	13.0	19.6#

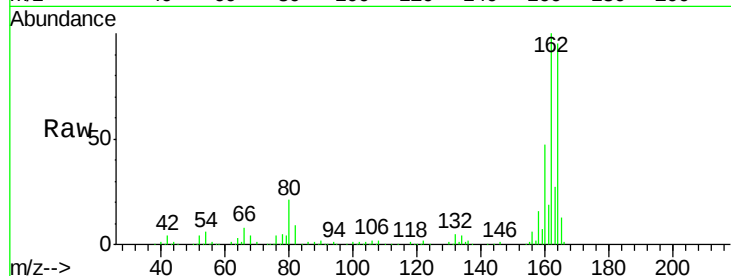




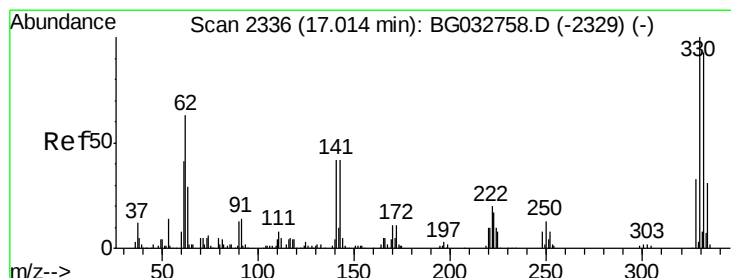
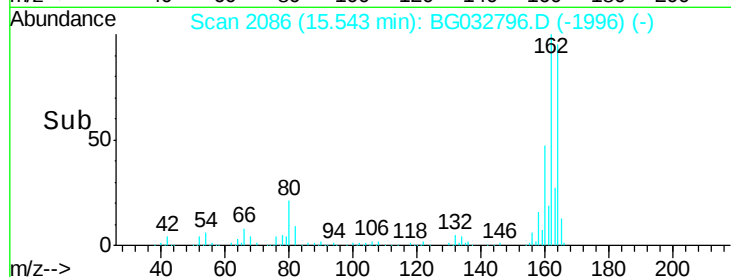
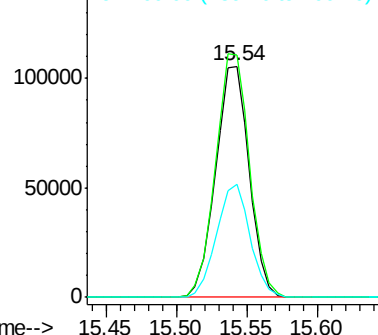
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.54 min Scan# 2086
Delta R.T. -0.00 min
Lab File: BG032796.D
Acq: 23 Feb 2018 18:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 175717
Ion Ratio Lower Upper
164 100
162 104.8 78.8 118.2
160 49.0 35.4 53.0

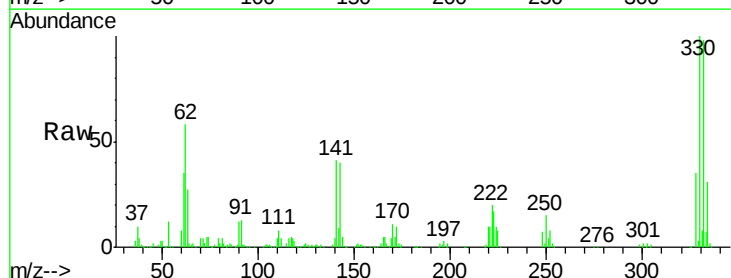


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

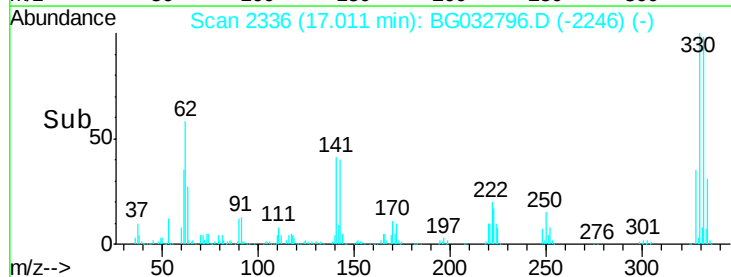
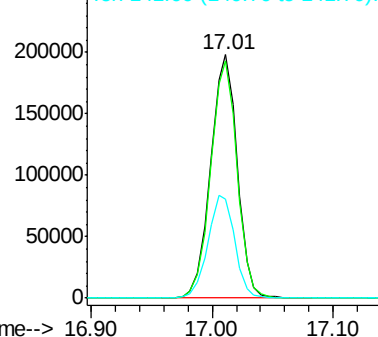


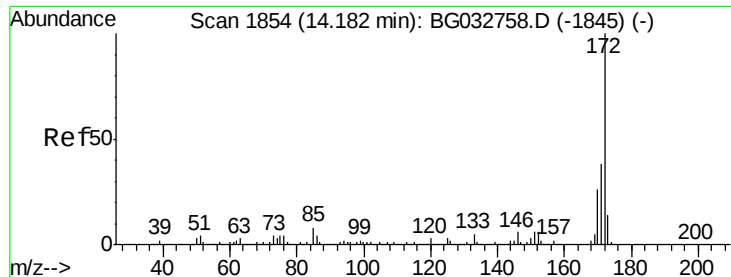
#41
2,4,6-Tribromophenol
Concen: 164.94 ng
RT: 17.01 min Scan# 2336
Delta R.T. -0.00 min
Lab File: BG032796.D
Acq: 23 Feb 2018 18:56

Tgt Ion:330 Resp: 304739
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.6
141 42.5 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

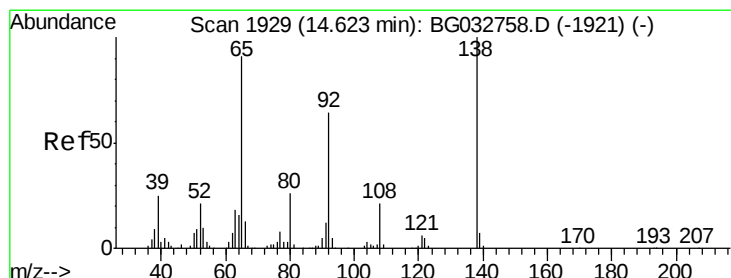
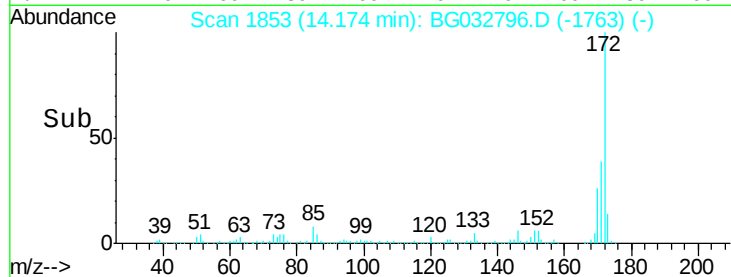
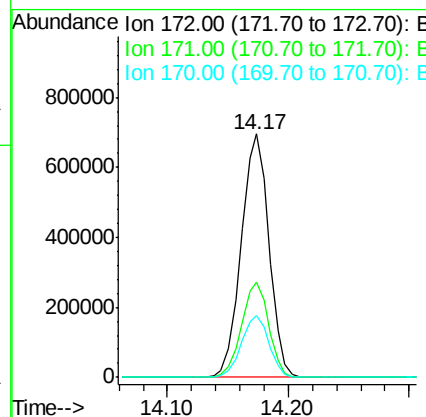
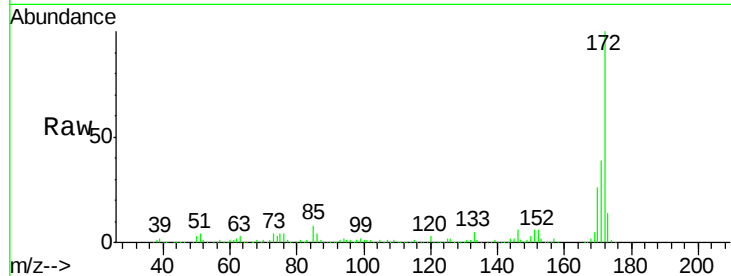




#44
 2-Fluorobiphenyl
 Concen: 91.21 ng
 RT: 14.17 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: BG032796.D
 Acq: 23 Feb 2018 18:56

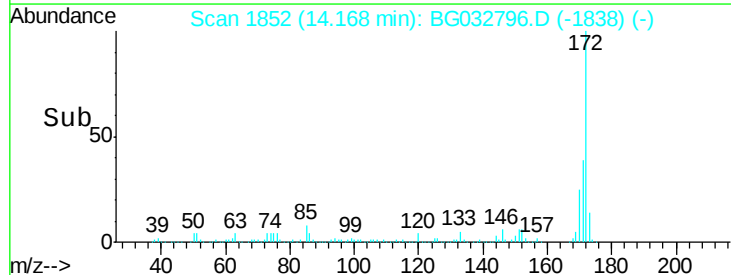
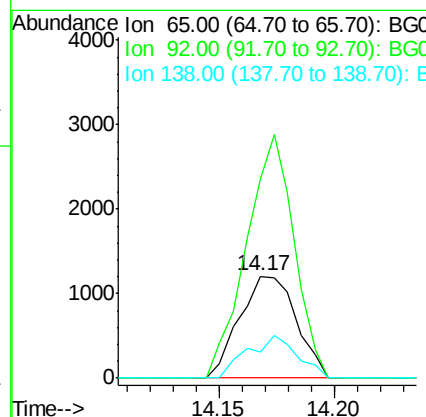
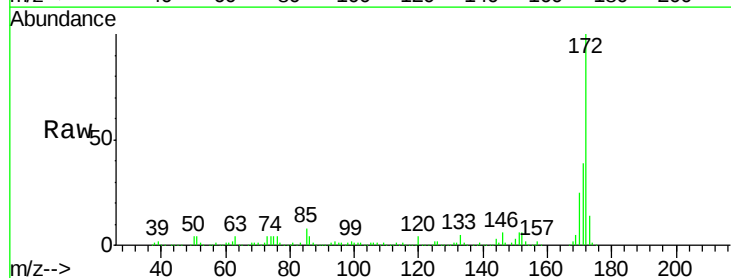
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1111303
 Ion Ratio Lower Upper
 172 100
 171 39.1 30.0 45.0
 170 25.6 19.5 29.3



#47
 2-Nitroaniline
 Concen: 10.40 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.45 min
 Lab File: BG032796.D
 Acq: 23 Feb 2018 18:56

Tgt Ion: 65 Resp: 2059
 Ion Ratio Lower Upper
 65 100
 92 194.7 54.6 82.0#
 138 25.0 72.9 109.3#

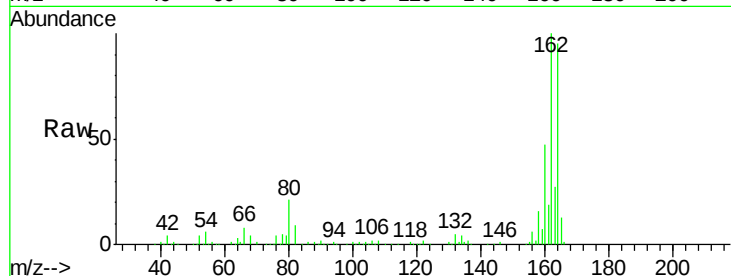




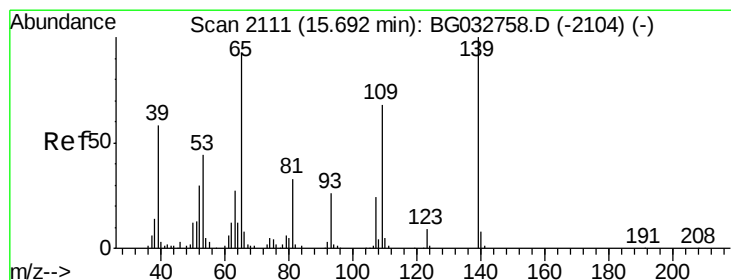
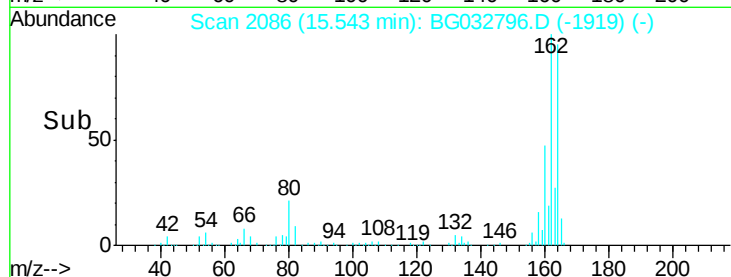
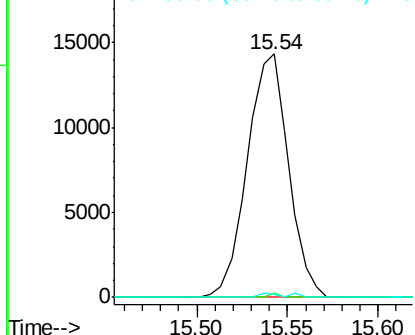
#50
2,6-Dinitrotoluene
Concen: 16.41 ng
RT: 15.54 min Scan# 2086
Delta R.T. 0.45 min
Lab File: BG032796.D
Acq: 23 Feb 2018 18:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 22774
Ion Ratio Lower Upper
165 100
63 1.7 52.7 79.1#
89 1.4 49.2 73.8#

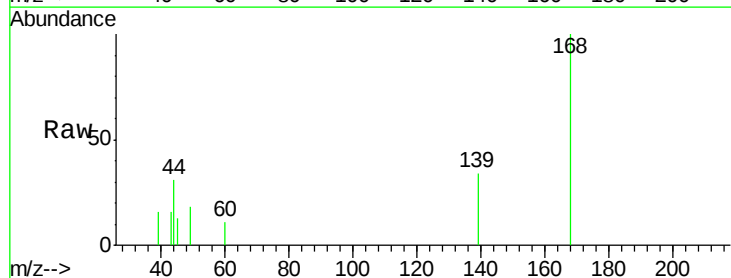


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

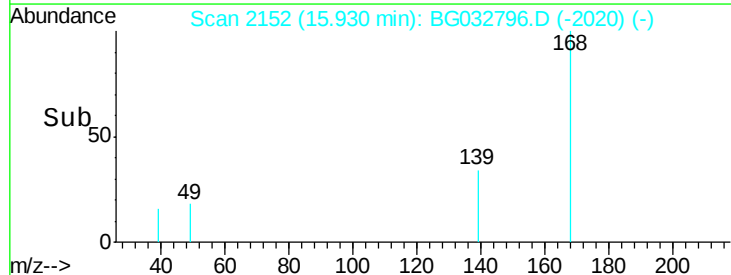
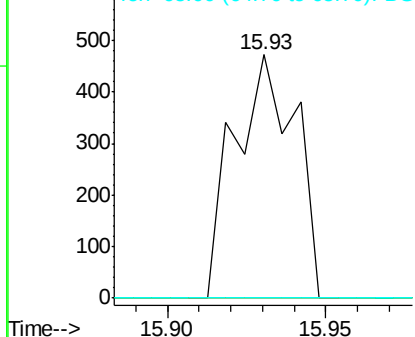


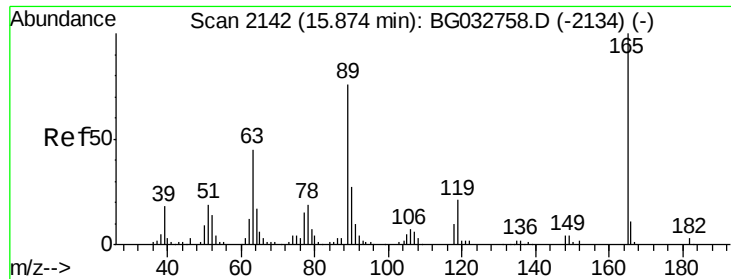
#55
4-Nitrophenol
Concen: 7.32 ng
RT: 15.93 min Scan# 2152
Delta R.T. 0.24 min
Lab File: BG032796.D
Acq: 23 Feb 2018 18:56

Tgt Ion:139 Resp: 631
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

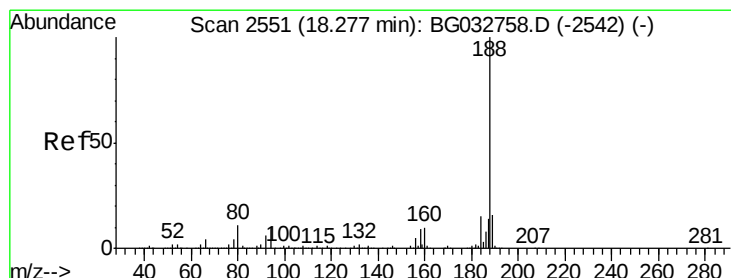
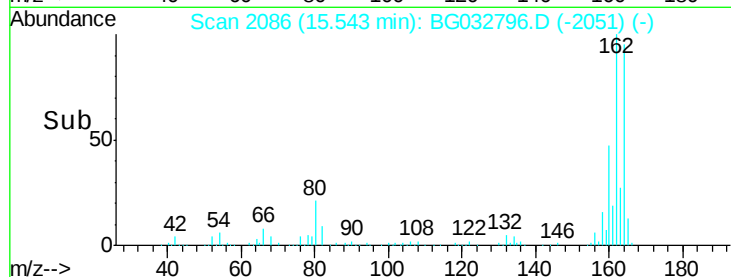
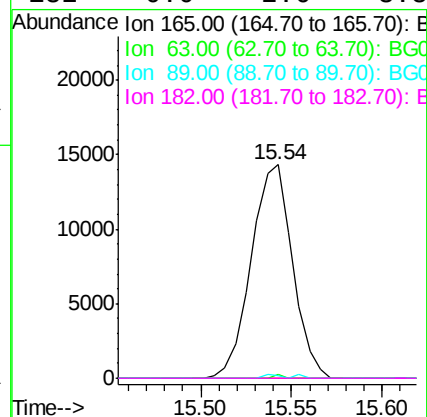
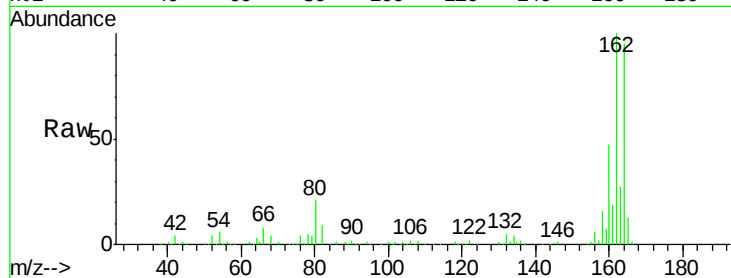




#56
 2,4-Dinitrotoluene
 Concen: 14.61 ng
 RT: 15.54 min Scan# 2086
 Delta R.T. -0.33 min
 Lab File: BG032796.D
 Acq: 23 Feb 2018 18:56

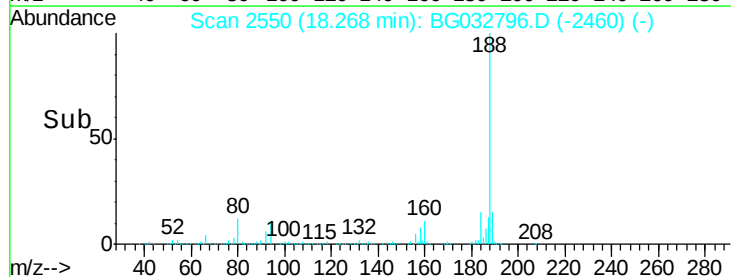
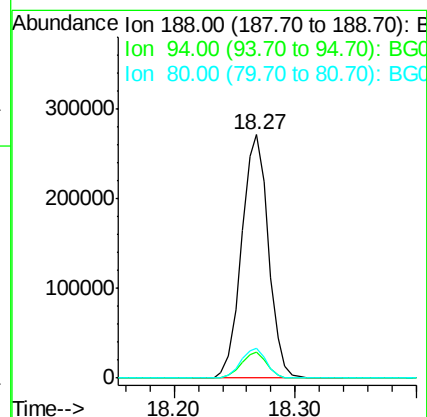
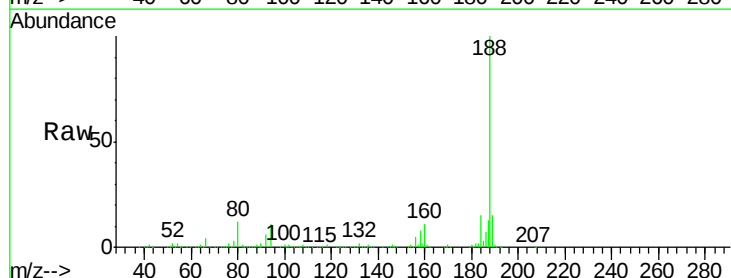
Instrument :
 BNA_G
 ClientSampleId :

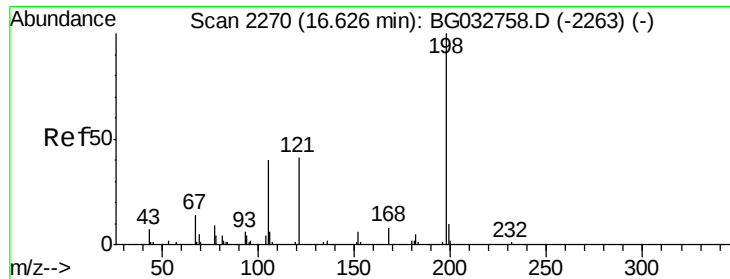
Tot Ion:165	Resp:	22774
Ion Ratio	Lower	Upper
165	100	
63	1.7	42.0 63.0#
89	1.4	66.9 100.3#
182	0.0	2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.27 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: BG032796.D
 Acq: 23 Feb 2018 18:56

Tgt Ion:188	Resp:	419877
Ion Ratio	Lower	Upper
188	100	
94	10.7	6.9 10.3#
80	12.3	7.7 11.5#





#64

4,6-Dinitro-2-methylphenol

Concen: 5.38 ng

RT: 17.01 min Scan# 2335

Delta R.T. 0.38 min

Lab File: BG032796.D

Acq: 23 Feb 2018 18:56

Instrument :

BNA_G

ClientSampled :

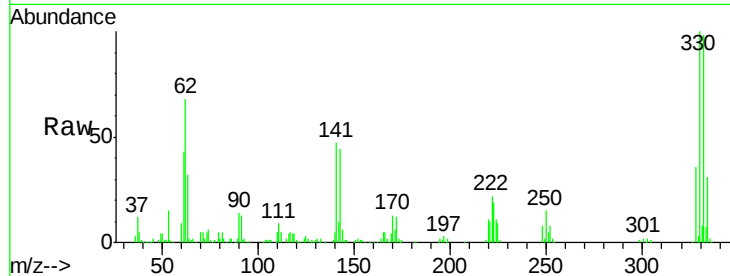
Tot Ion:198 Resp: 426

Ion Ratio Lower Upper

198 100

51 191.5 30.6 70.6#

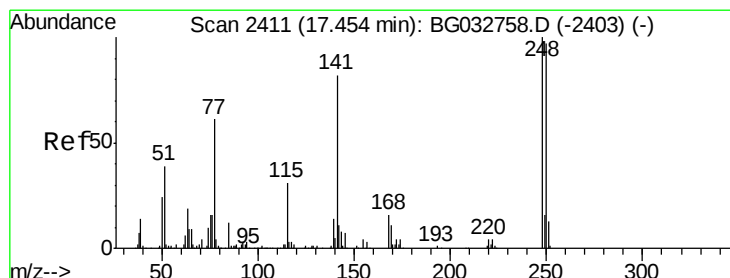
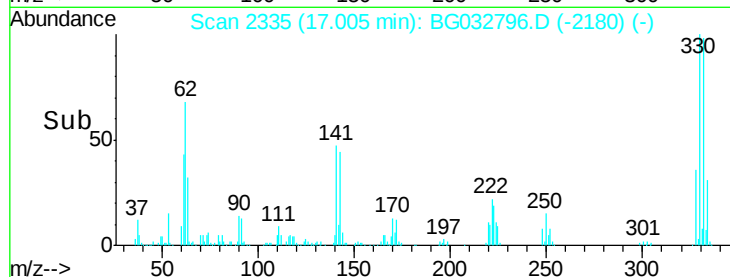
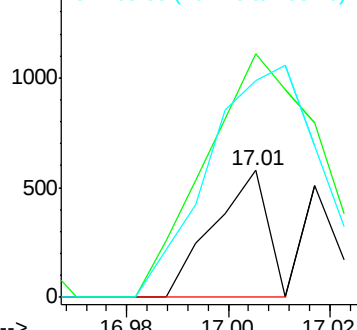
105 171.0 23.8 63.8#



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: 4.73 ng

RT: 17.01 min Scan# 2336

Delta R.T. -0.43 min

Lab File: BG032796.D

Acq: 23 Feb 2018 18:56

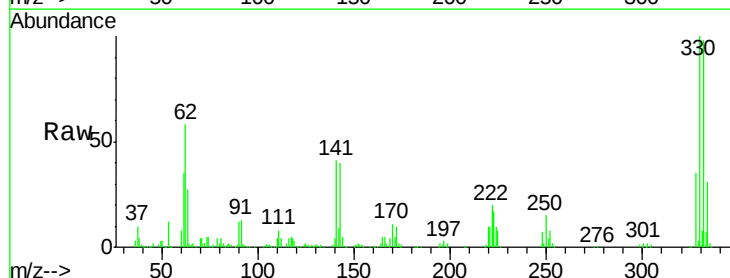
Tgt Ion:248 Resp: 20983

Ion Ratio Lower Upper

248 100

250 203.6 77.1 115.7#

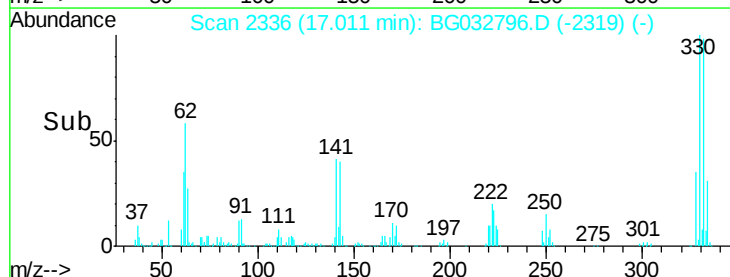
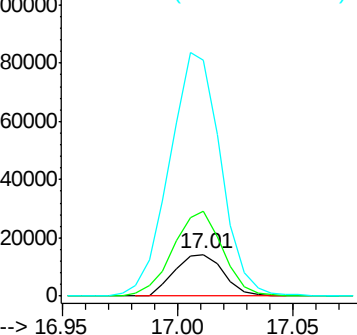
141 563.7 50.8 76.2#

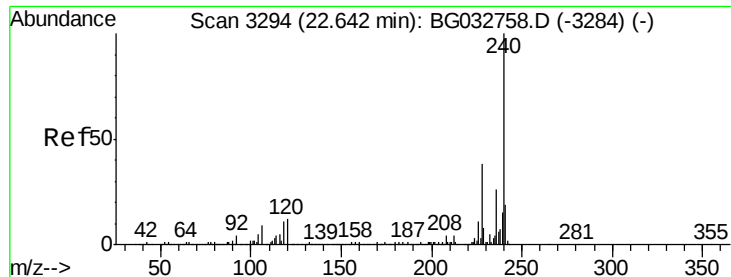


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

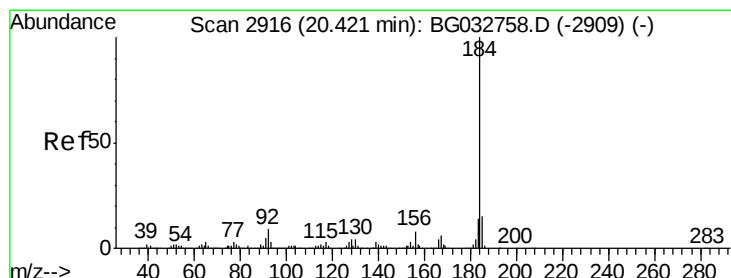
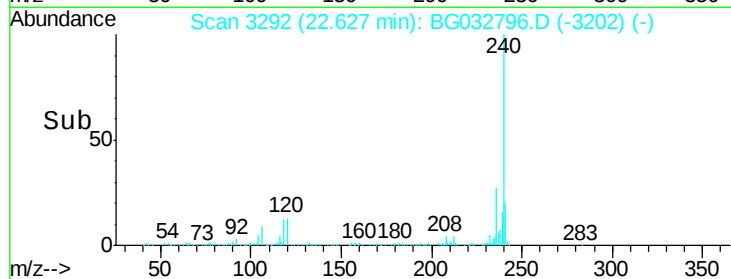
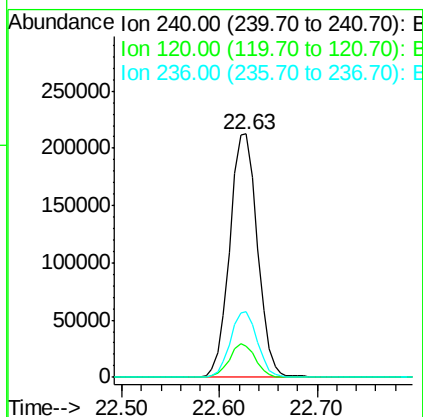
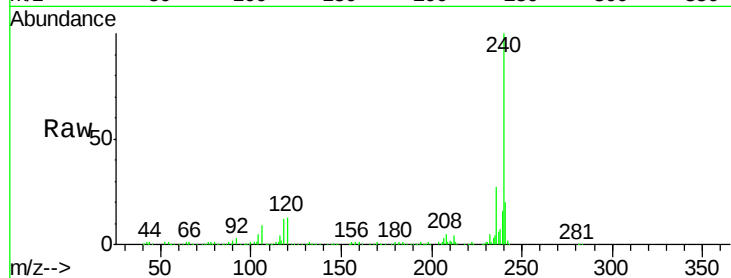




#75
 Chrvsene-d12
 Concen: 20.00 ng
 RT: 22.63 min Scan# 3292
 Delta R.T. -0.00 min
 Lab File: BG032796.D
 Acq: 23 Feb 2018 18:56

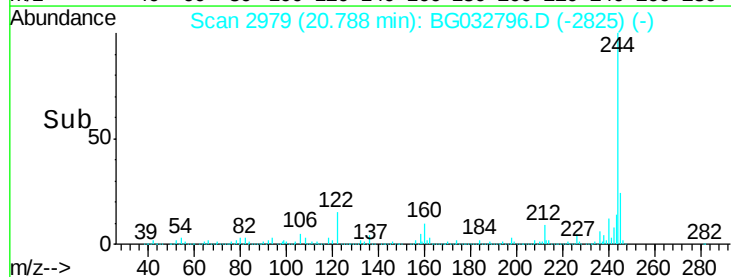
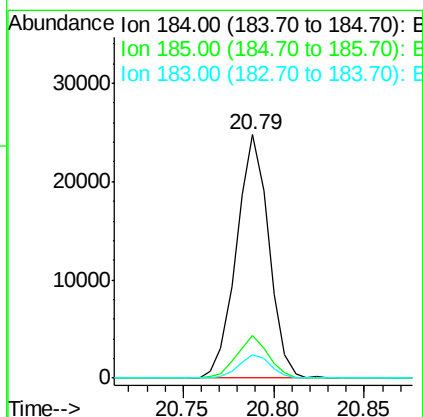
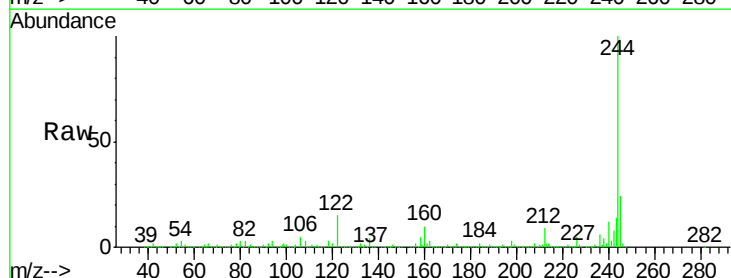
Instrument :
 BNA_G
 ClientSampleId :

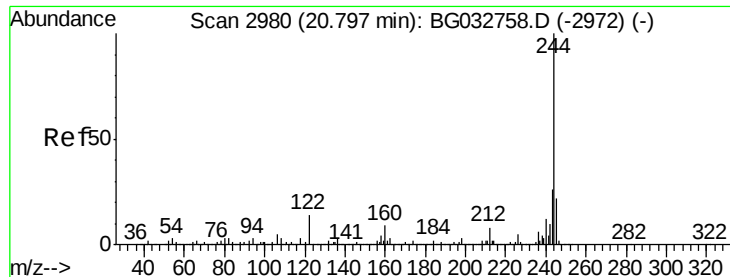
Tot Ion:240 Resp: 418809
 Ion Ratio Lower Upper
 240 100
 120 12.8 6.8 10.2#
 236 27.0 20.9 31.3



#76
 Benzidine
 Concen: 2.15 ng
 RT: 20.79 min Scan# 2979
 Delta R.T. 0.37 min
 Lab File: BG032796.D
 Acq: 23 Feb 2018 18:56

Tgt Ion:184 Resp: 30747
 Ion Ratio Lower Upper
 184 100
 185 17.4 11.1 16.7#
 183 9.6 10.6 16.0#





#78

Terphenyl-d14

Concen: 95.72 ng

RT: 20.79 min Scan# 2979

Delta R.T. -0.00 min

Lab File: BG032796.D

Acq: 23 Feb 2018 18:56

Instrument :

BNA_G

ClientSampleId :

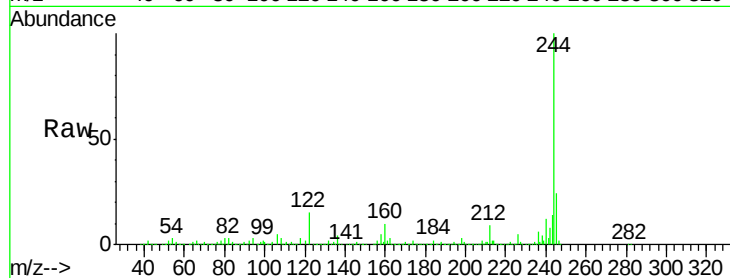
Tot Ion:244 Resp: 1784273

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

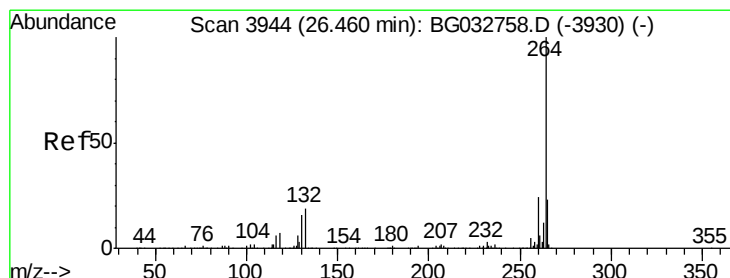
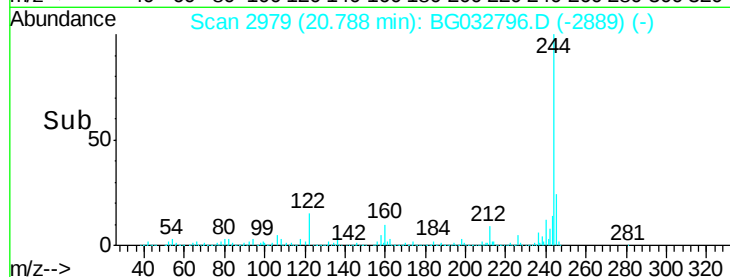
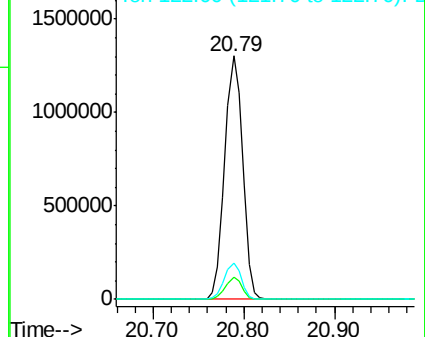
122 15.0 7.0 10.4#



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: 20.00 ng

RT: 26.44 min Scan# 3941

Delta R.T. -0.01 min

Lab File: BG032796.D

Acq: 23 Feb 2018 18:56

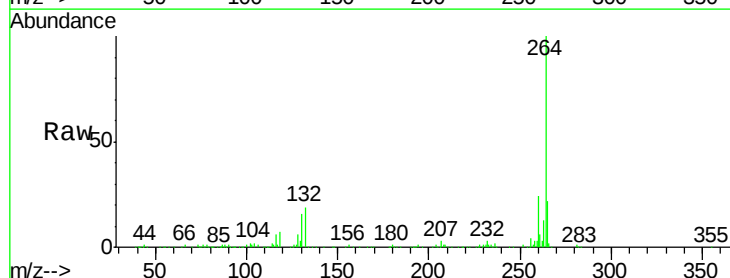
Tgt Ion:264 Resp: 441707

Ion Ratio Lower Upper

264 100

260 23.7 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

