

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022718\
 Data File : BG032881.D
 Acq On : 28 Feb 2018 8:24
 Operator : SJ/JU
 Sample : J1698-12
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 28 09:42:35 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 17:50:45 2018
 Response via : Initial Calibration

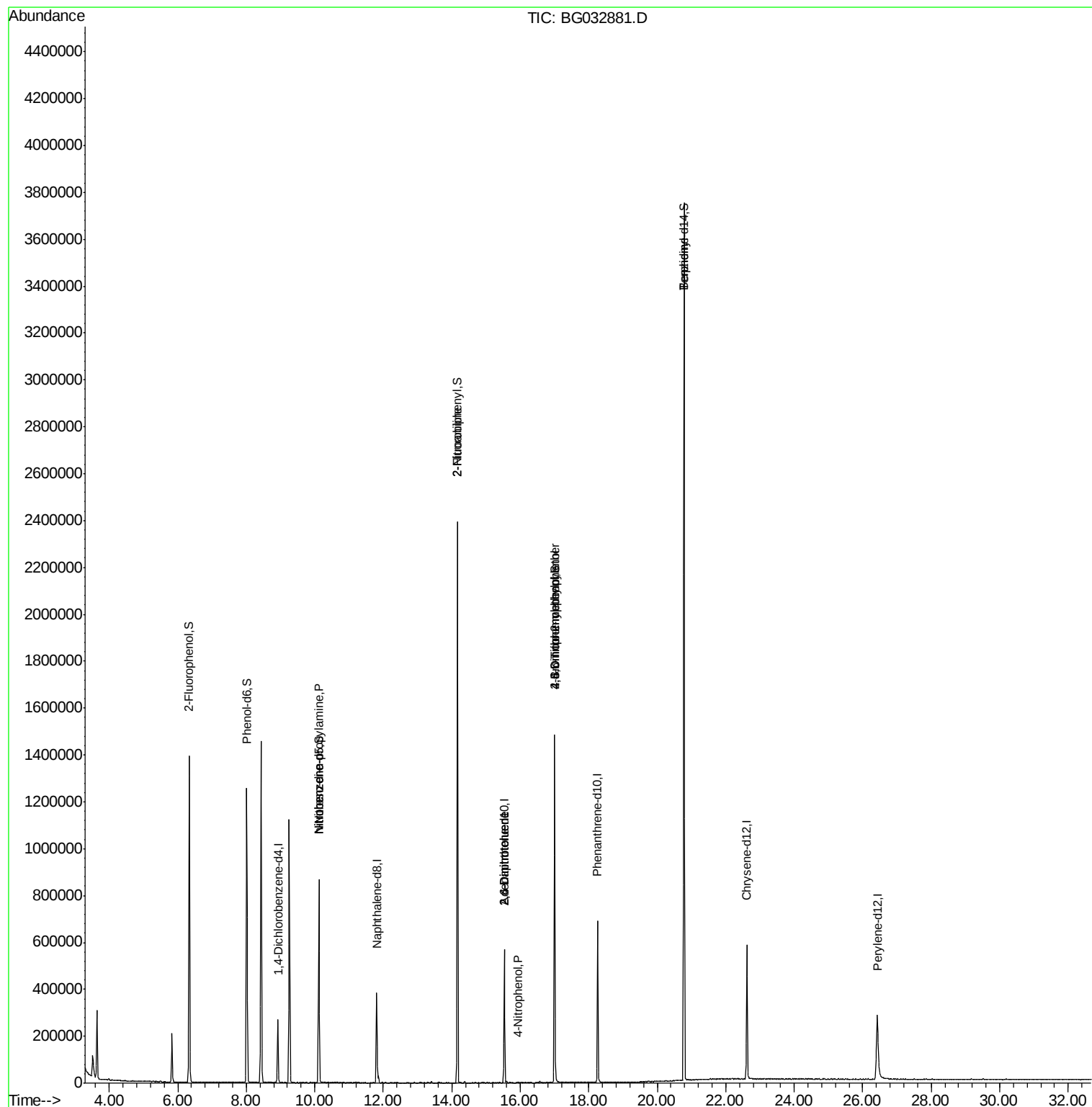
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	79502	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	344998	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	189040	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	422592	20.00	ng	0.00
75) Chrysene-d12	22.61	240	379465	20.00	ng	-0.02
86) Perylene-d12	26.43	264	372921	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	667977	134.42	ng	0.00
7) Phenol-d6	8.02	99	802466	115.85	ng	0.00
23) Nitrobenzene-d5	10.12	82	555085	108.55	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	265936	133.79	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1237164	94.39	ng	0.00
78) Terphenyl-d14	20.78	244	1677975	99.35	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	72537	14.834	ng	# 83
24) Nitrobenzene	10.11	77	1698	6.648	ng	# 42
47) 2-Nitroaniline	14.16	65	2040	10.357	ng	# 12
50) 2,6-Dinitrotoluene	15.54	165	25113	16.598	ng	# 19
55) 4-Nitrophenol	15.92	139	1148	7.479	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	25113	14.797	ng	# 17
64) 4,6-Dinitro-2-methylphenol	17.00	198	877	5.830	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	19014	4.255	ng	# 1
76) Benzidine	20.78	184	28732	2.221	ng	# 92

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

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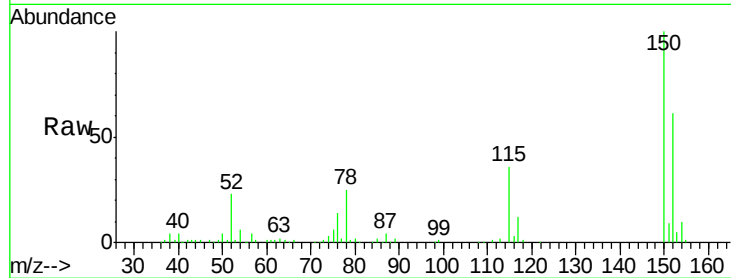


#1

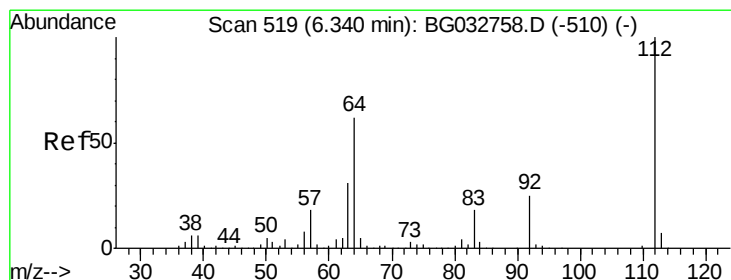
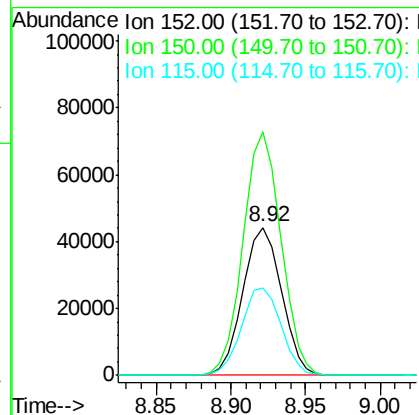
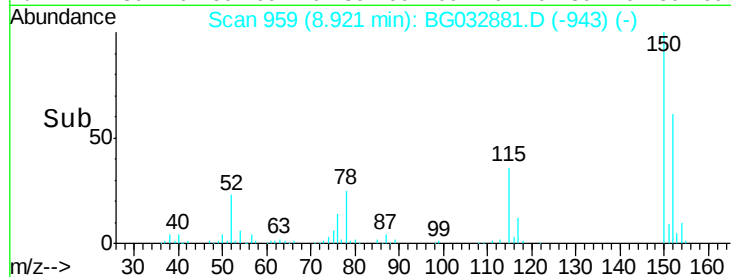
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 959
Delta R.T. -0.01 min
Lab File: BG032881.D
Acq: 28 Feb 2018 8:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 79502
Ion Ratio Lower Upper
152 100
150 164.3 126.6 189.8
115 59.4 53.0 79.4



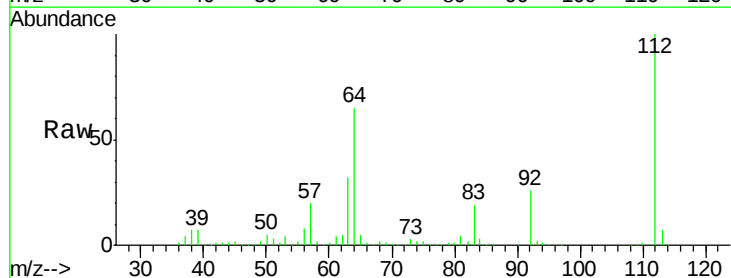
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



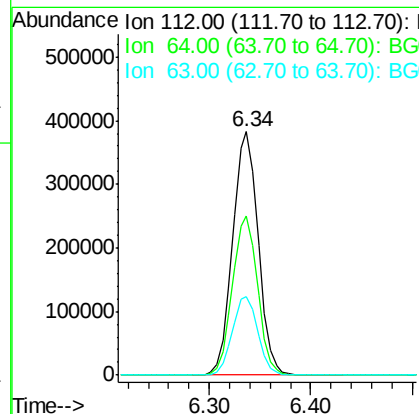
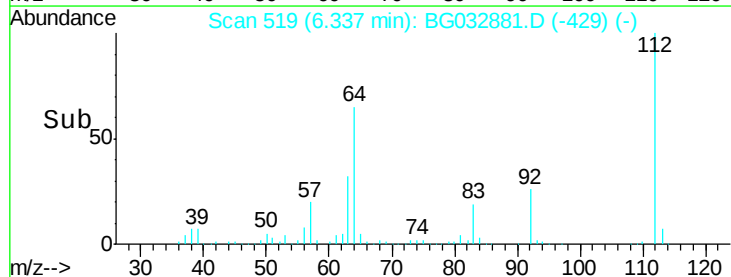
#5

2-Fluorophenol
Concen: 134.420 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.00 min
Lab File: BG032881.D
Acq: 28 Feb 2018 8:24

Tgt Ion:112 Resp: 667977
Ion Ratio Lower Upper
112 100
64 65.4 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: 115.854 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032881.D

Acq: 28 Feb 2018 8:24

Instrument :

BNA_G

ClientSampled :

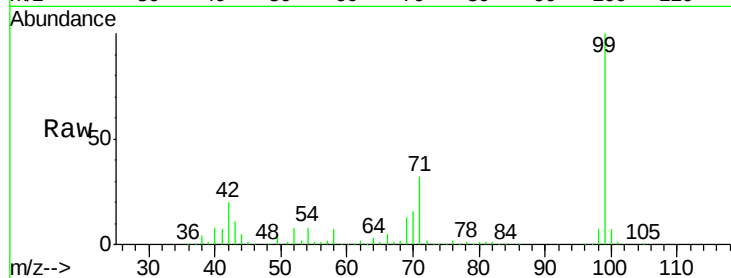
Tot Ion: 99 Resp: 802466

Ion Ratio Lower Upper

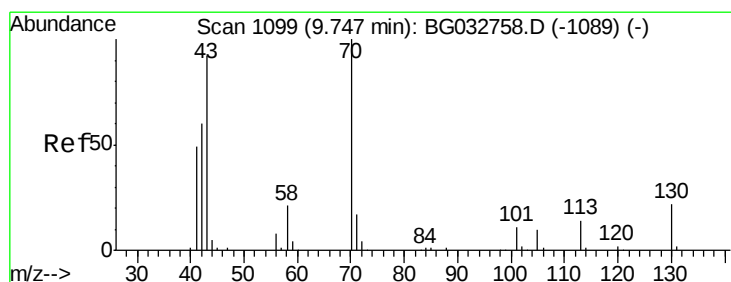
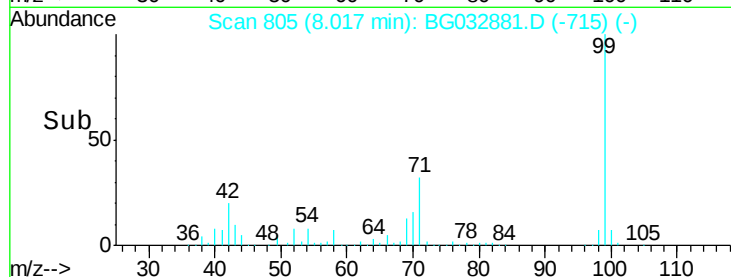
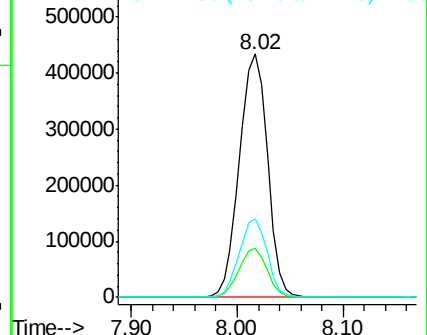
99 100

42 20.0 14.1 21.1

71 32.2 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: 14.834 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032881.D

Acq: 28 Feb 2018 8:24

Tgt Ion: 70 Resp: 72537

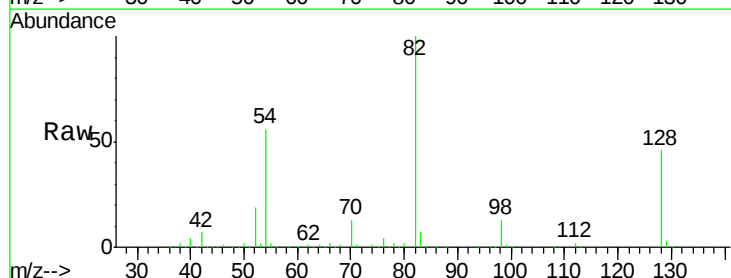
Ion Ratio Lower Upper

70 100

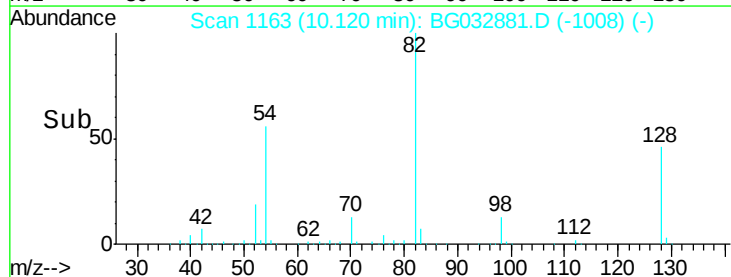
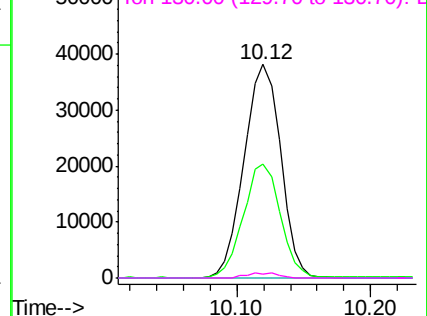
42 53.1 49.1 73.7

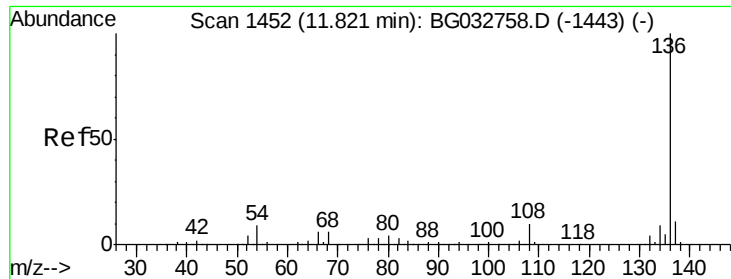
101 0.0 8.5 12.7#

130 1.8 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

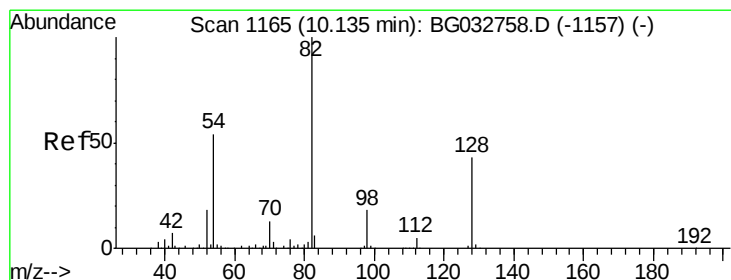
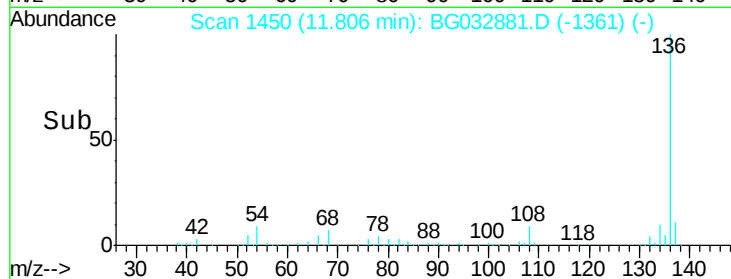
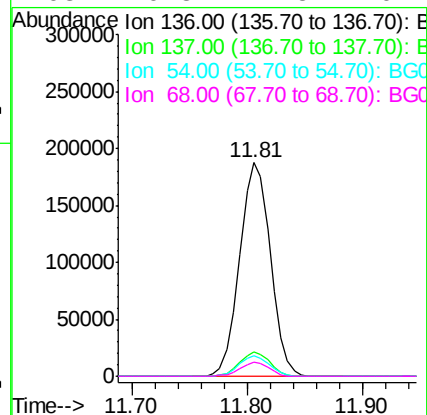
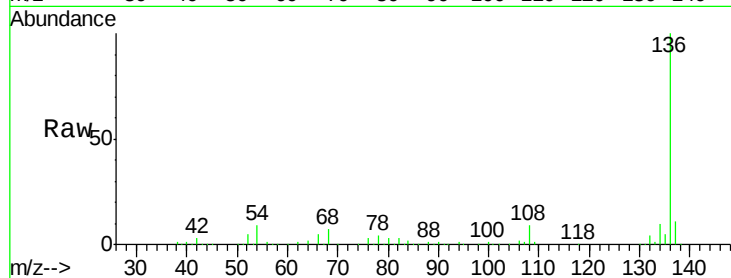




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BG032881.D
Acq: 28 Feb 2018 8:24

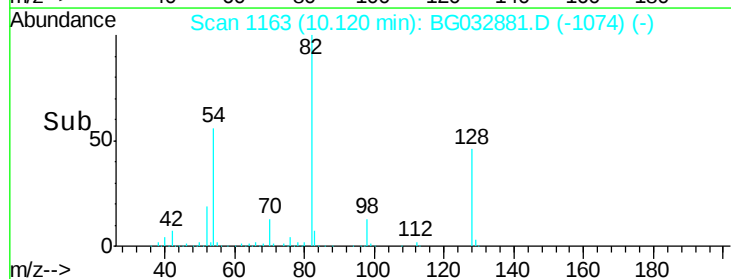
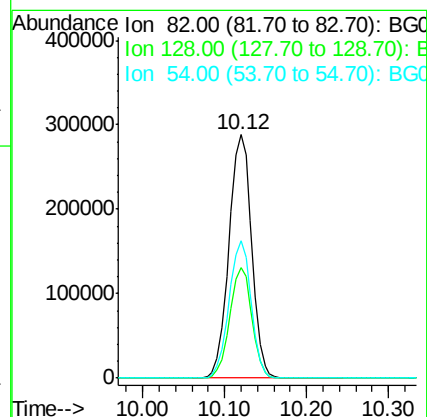
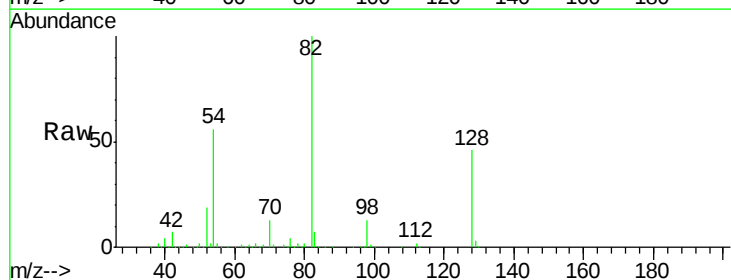
Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	344998
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.2 13.8
54	9.3	10.3 15.5#
68	6.8	4.5 6.7#



#23
Nitrobenzene-d5
Concen: 108.545 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BG032881.D
Acq: 28 Feb 2018 8:24

Tgt Ion: 82	Resp:	555085
Ion Ratio	Lower	Upper
82	100	
128	45.7	29.7 44.5#
54	56.4	43.1 64.7

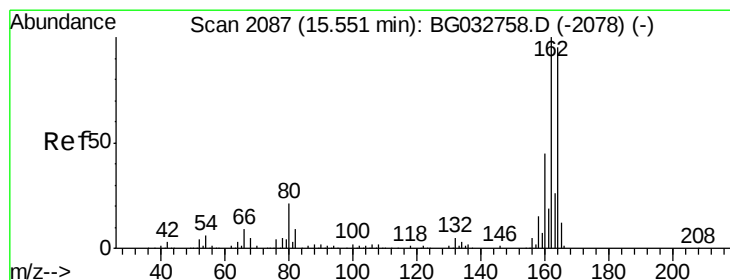
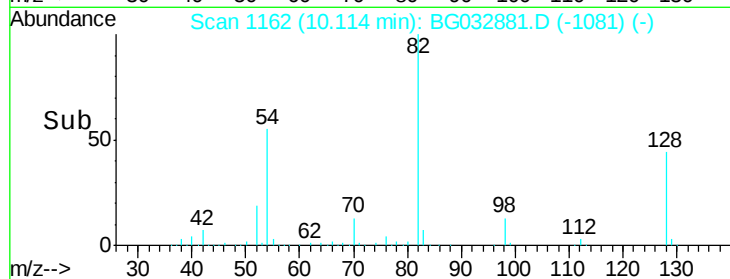
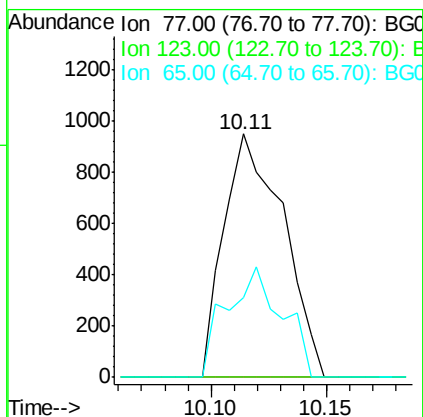
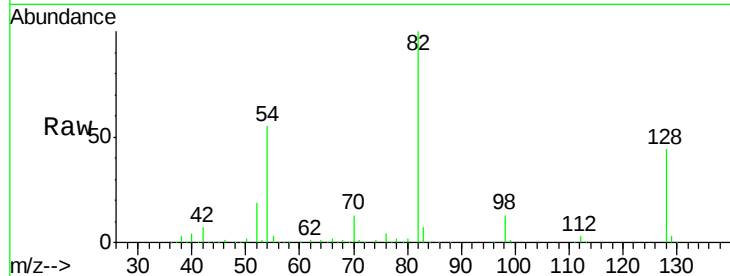




#24
 Nitrobenzene
 Concen: 6.648 ng
 RT: 10.11 min Scan# 1162
 Delta R.T. -0.05 min
 Lab File: BG032881.D
 Acq: 28 Feb 2018 8:24

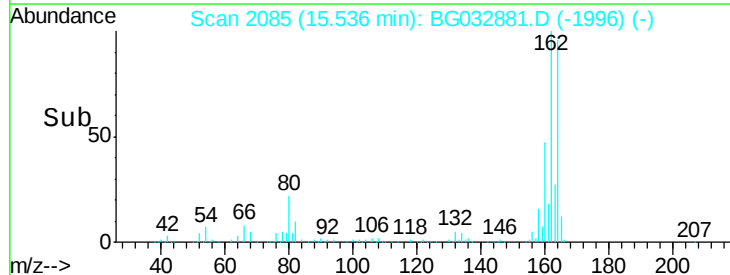
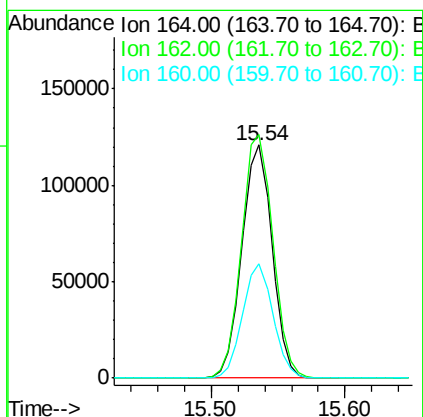
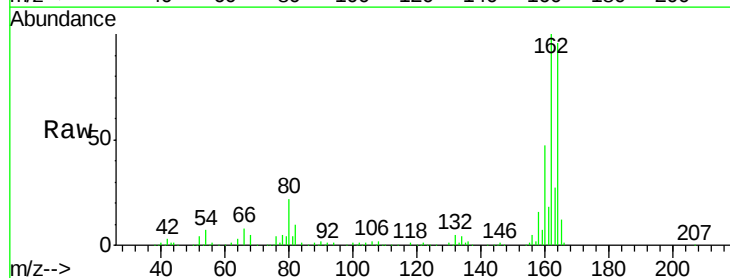
Instrument :
 BNA_G
 ClientSampleId :

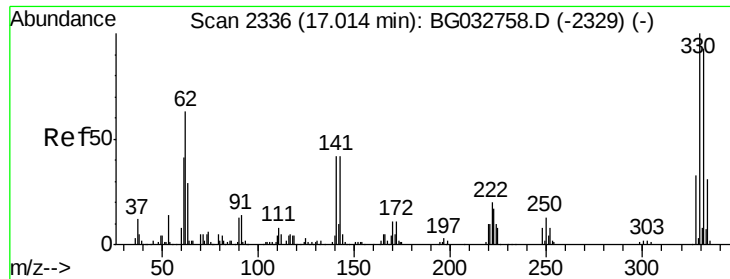
Tot Ion: 77 Resp: 1698
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 32.9 13.0 19.6#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. -0.01 min
 Lab File: BG032881.D
 Acq: 28 Feb 2018 8:24

Tgt Ion:164 Resp: 189040
 Ion Ratio Lower Upper
 164 100
 162 104.5 78.8 118.2
 160 48.9 35.4 53.0

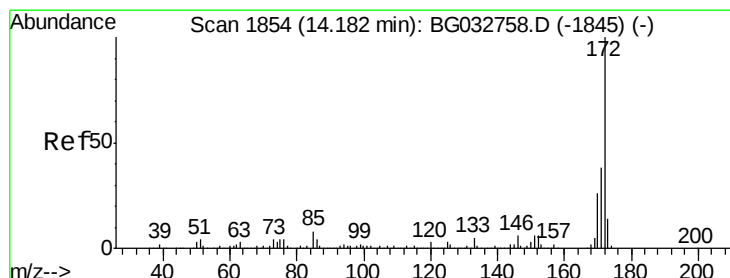
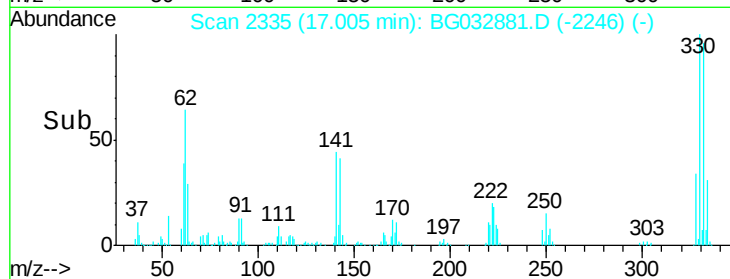
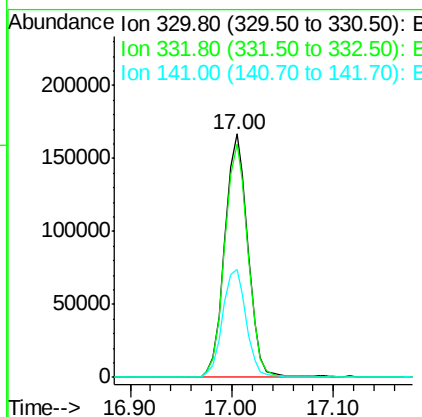
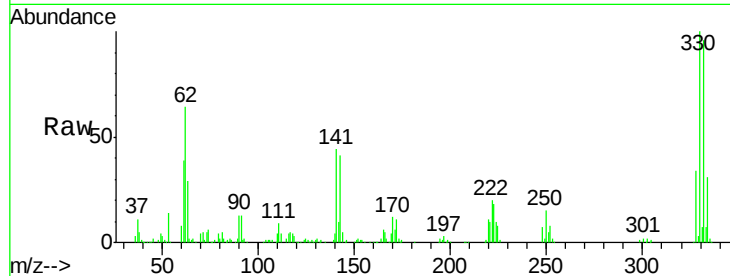




#41
 2,4,6-Tribromophenol
 Concen: 133.791 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: BG032881.D
 Acq: 28 Feb 2018 8:24

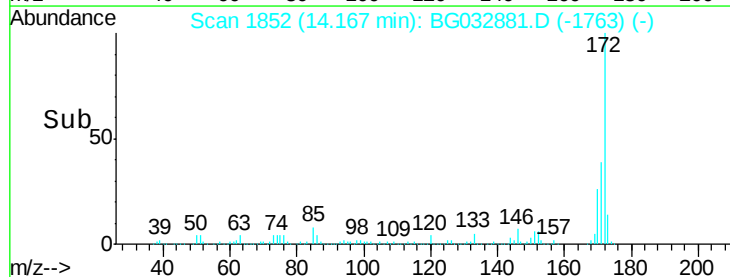
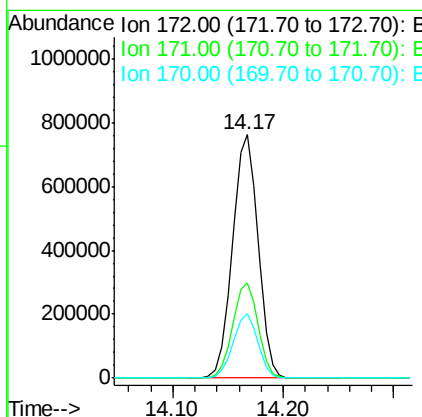
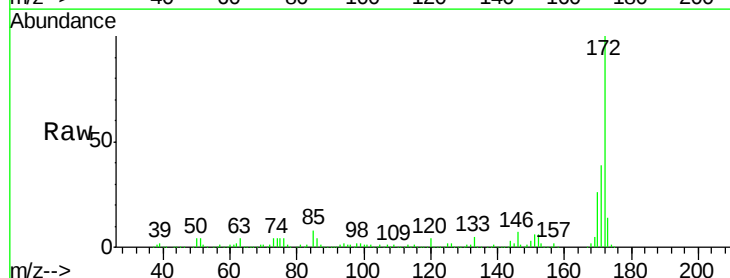
Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	45.0	25.2	37.8#



#44
 2-Fluorobiphenyl
 Concen: 94.388 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BG032881.D
 Acq: 28 Feb 2018 8:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.1	30.0	45.0
170	26.3	19.5	29.3

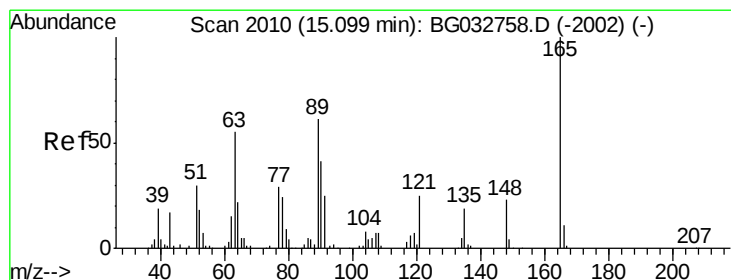
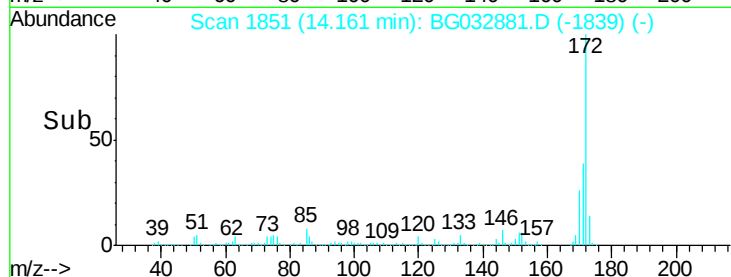
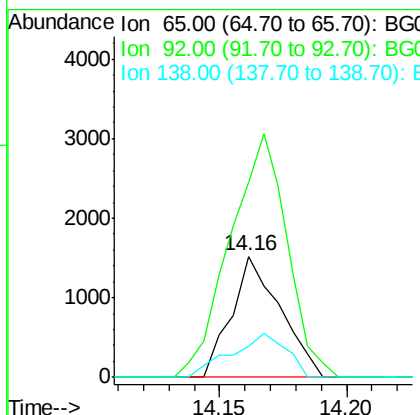
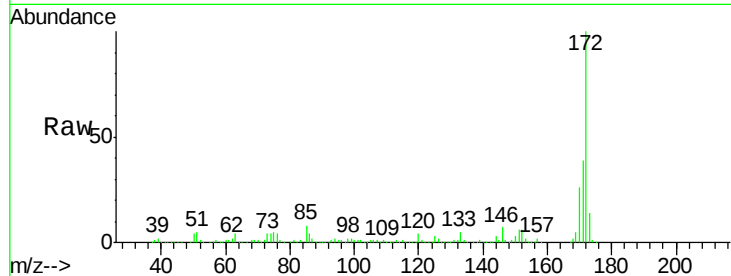




#47
2-Nitroaniline
Concen: 10.357 ng
RT: 14.16 min Scan# 1851
Delta R.T. -0.46 min
Lab File: BG032881.D
Acq: 28 Feb 2018 8:24

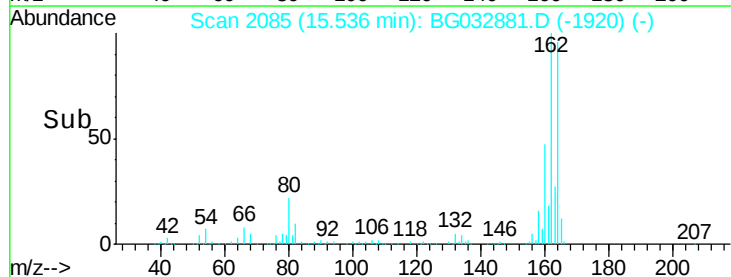
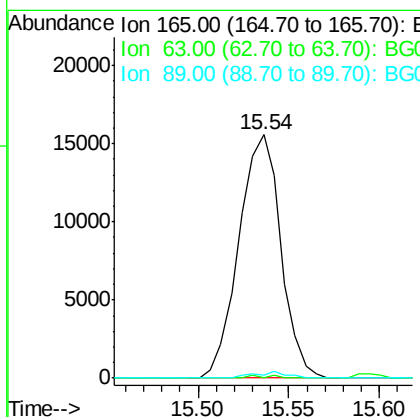
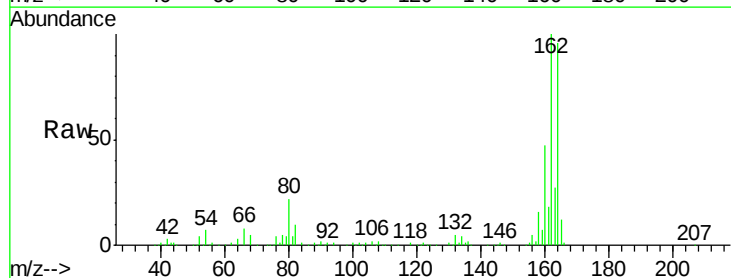
Instrument :
BNA_G
ClientSampleId :

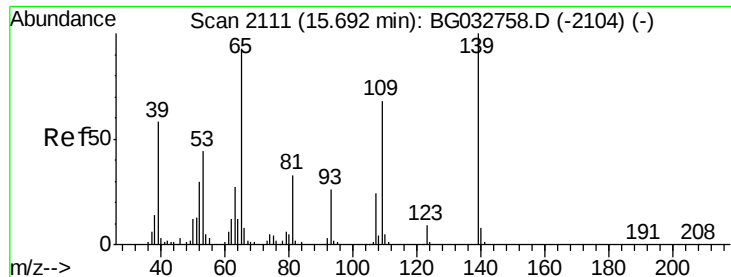
Tot Ion: 65 Resp: 2040
Ion Ratio Lower Upper
65 100
92 160.7 54.6 82.0#
138 26.0 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.598 ng
RT: 15.54 min Scan# 2085
Delta R.T. 0.44 min
Lab File: BG032881.D
Acq: 28 Feb 2018 8:24

Tgt Ion:165 Resp: 25113
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 1.4 49.2 73.8#

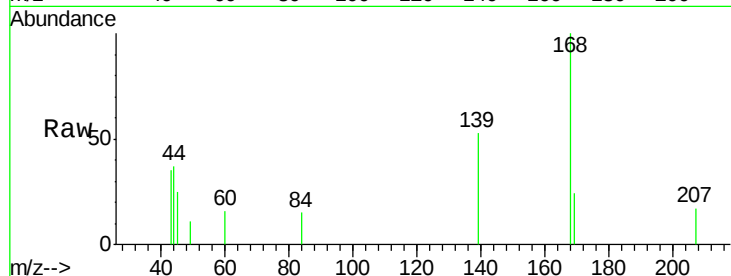




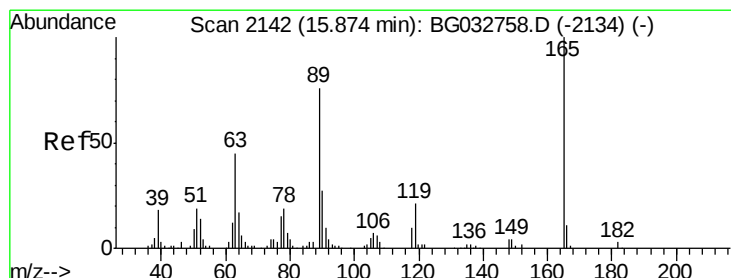
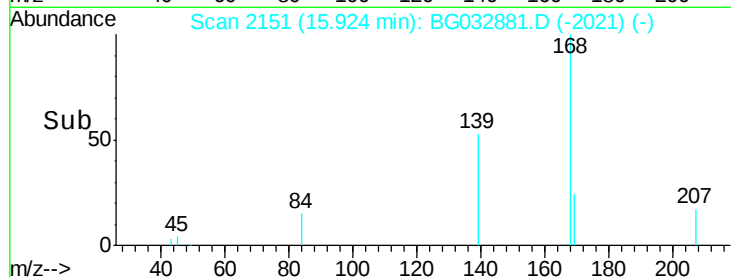
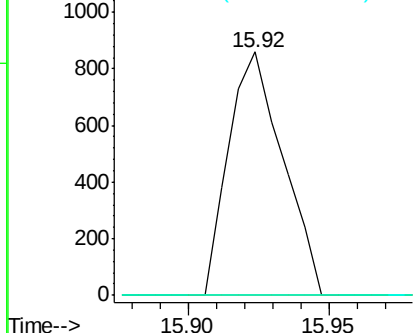
#55
 4-Nitrophenol
 Concen: 7.479 ng
 RT: 15.92 min Scan# 2151
 Delta R.T. 0.24 min
 Lab File: BG032881.D
 Acq: 28 Feb 2018 8:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	62.2	102.2#
65	0.0	97.2	137.2#

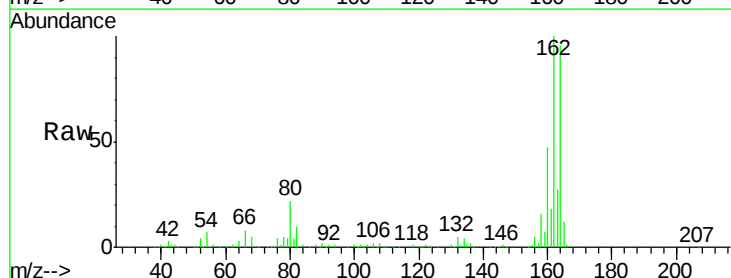


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): B

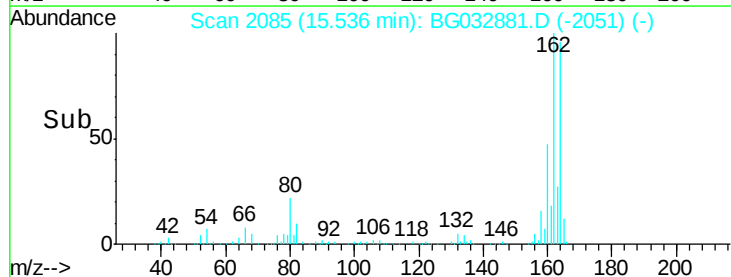
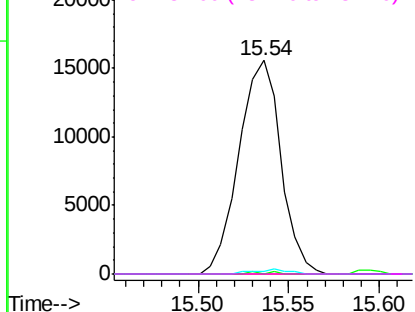


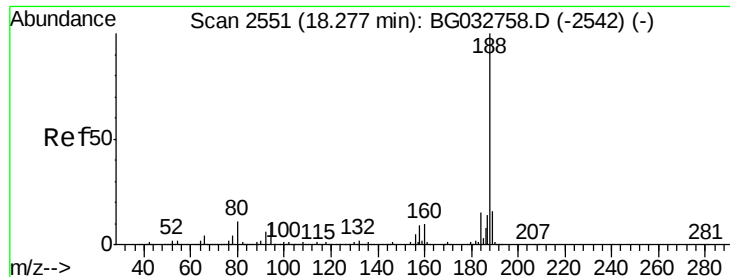
#56
 2,4-Dinitrotoluene
 Concen: 14.797 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. -0.33 min
 Lab File: BG032881.D
 Acq: 28 Feb 2018 8:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	1.4	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): B
 Ion 89.00 (88.70 to 89.70): B
 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. -0.01 min

Lab File: BG032881.D

Acq: 28 Feb 2018 8:24

Instrument :

BNA_G

ClientSampleId :

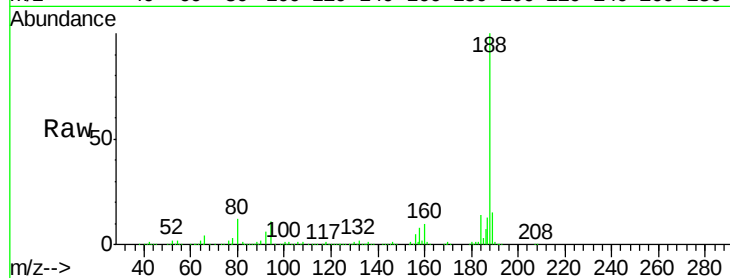
Tot Ion:188 Resp: 422592

Ion Ratio Lower Upper

188 100

94 10.7 6.9 10.3#

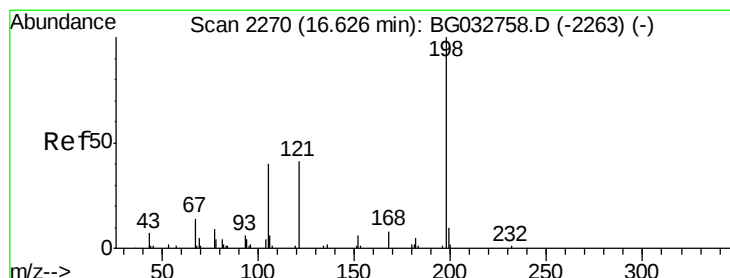
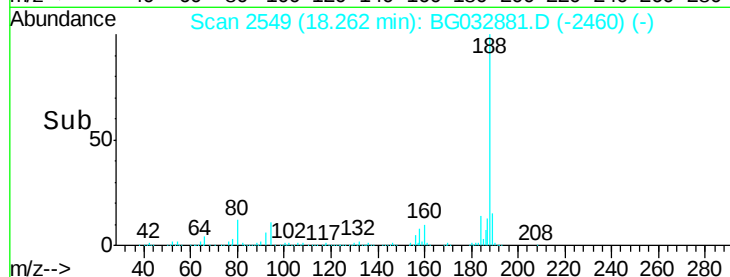
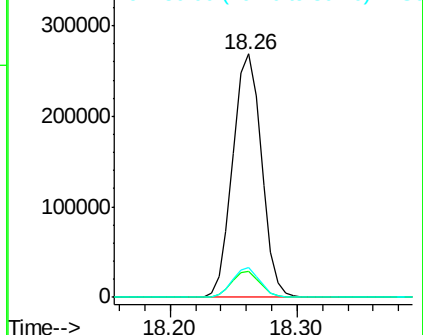
80 12.0 7.7 11.5#



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: 5.830 ng

RT: 17.00 min Scan# 2335

Delta R.T. 0.38 min

Lab File: BG032881.D

Acq: 28 Feb 2018 8:24

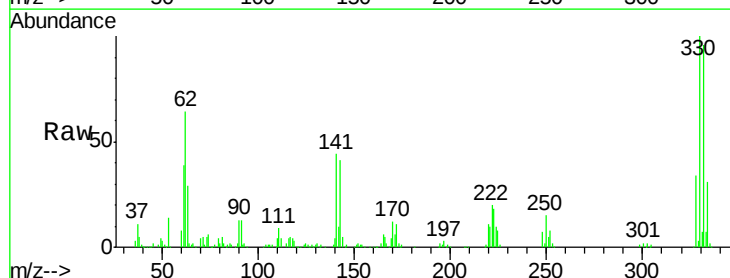
Tgt Ion:198 Resp: 877

Ion Ratio Lower Upper

198 100

51 160.5 30.6 70.6#

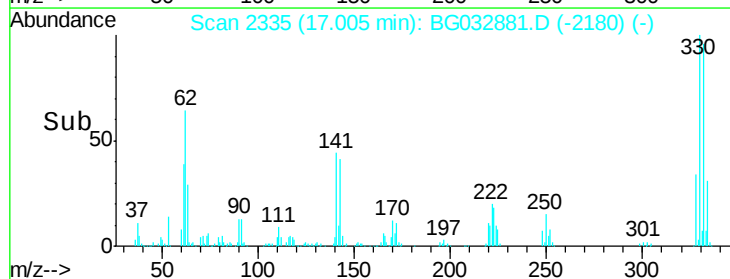
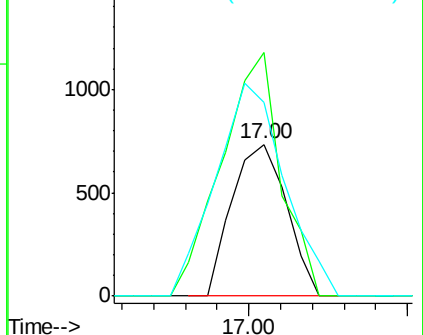
105 127.8 23.8 63.8#

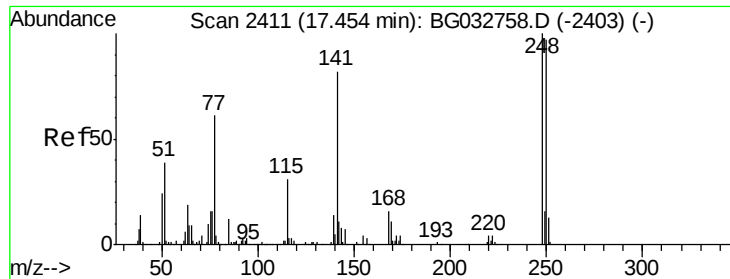


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

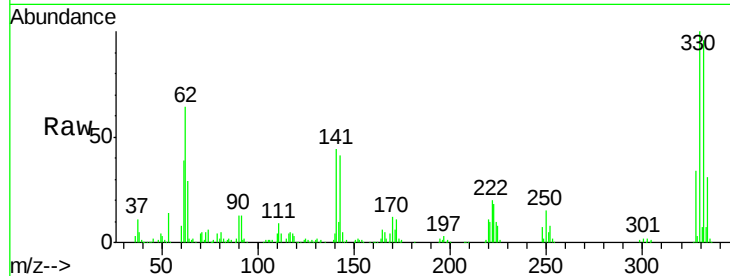




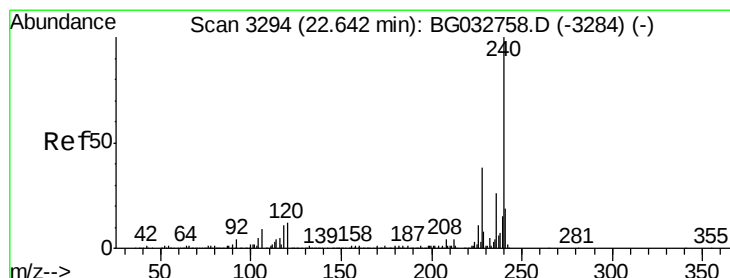
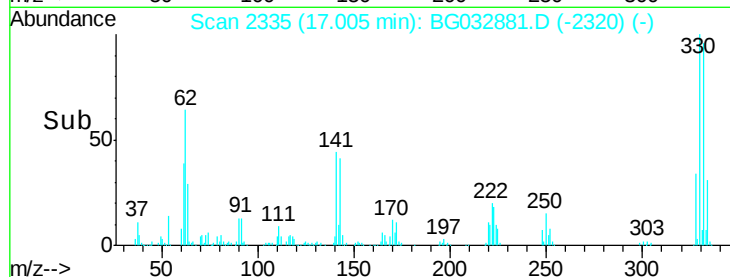
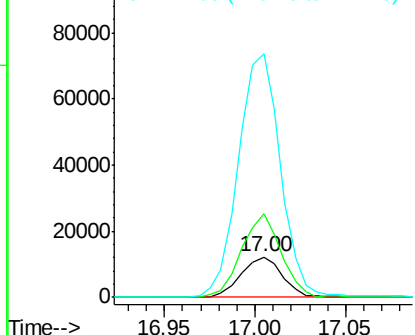
#66
 4-Bromophenyl-phenylether
 Concen: 4.255 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. -0.44 min
 Lab File: BG032881.D
 Acq: 28 Feb 2018 8:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 19014
 Ion Ratio Lower Upper
 248 100
 250 206.7 77.1 115.7#
 141 604.0 50.8 76.2#

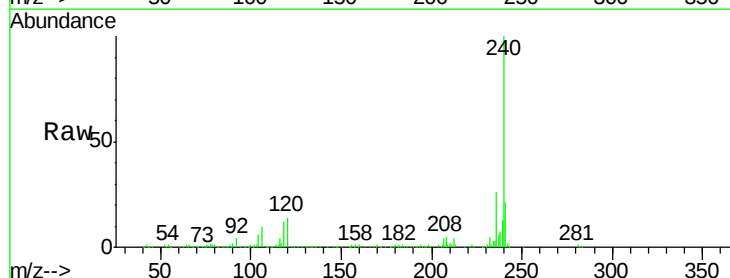


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

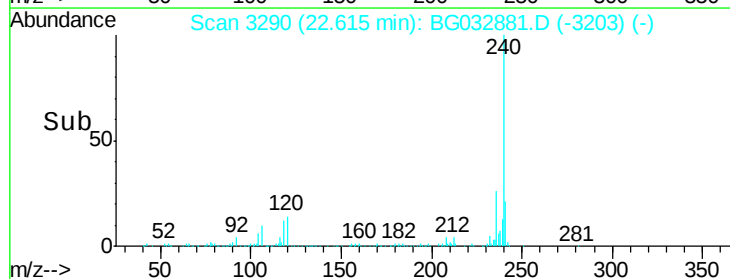
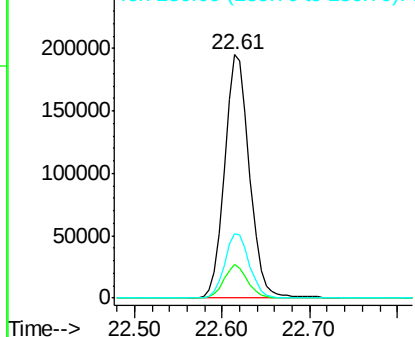


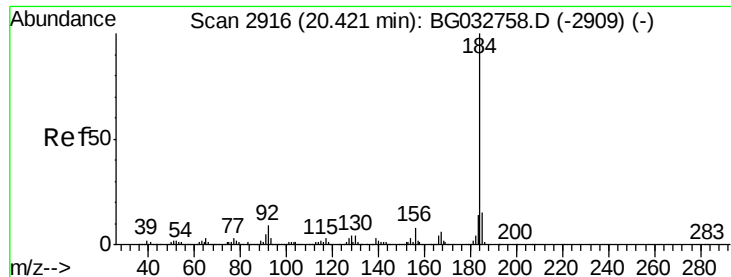
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.61 min Scan# 3290
 Delta R.T. -0.02 min
 Lab File: BG032881.D
 Acq: 28 Feb 2018 8:24

Tgt Ion:240 Resp: 379465
 Ion Ratio Lower Upper
 240 100
 120 13.6 6.8 10.2#
 236 26.4 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





#76

Benzidine

Concen: 2.221 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.36 min

Lab File: BG032881.D

Acq: 28 Feb 2018 8:24

Instrument :

BNA_G

ClientSampled :

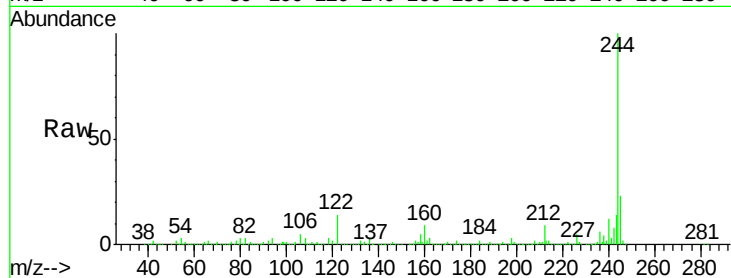
Tot Ion:184 Resp: 28732

Ion Ratio Lower Upper

184 100

185 17.0 11.1 16.7#

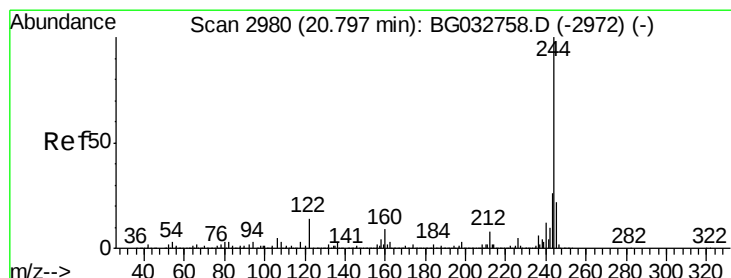
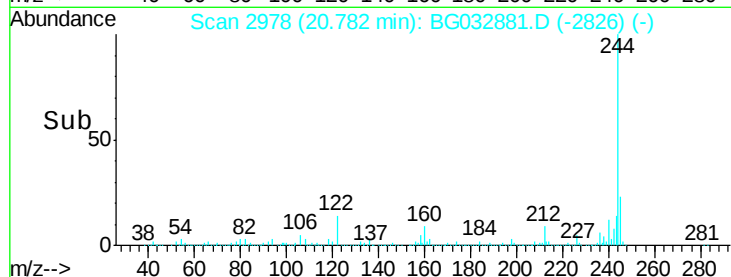
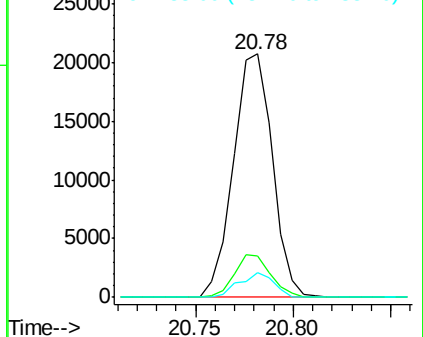
183 10.4 10.6 16.0#



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



#78

Terphenyl-d14

Concen: 99.349 ng

RT: 20.78 min Scan# 2978

Delta R.T. -0.01 min

Lab File: BG032881.D

Acq: 28 Feb 2018 8:24

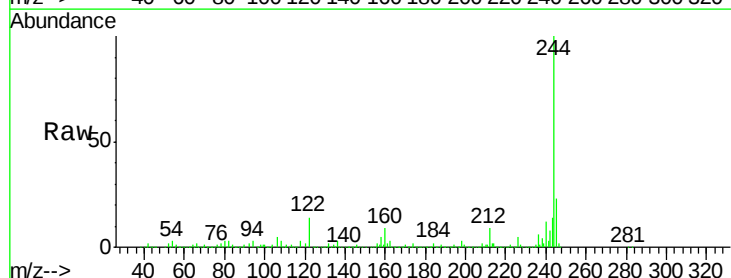
Tgt Ion:244 Resp: 1677975

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

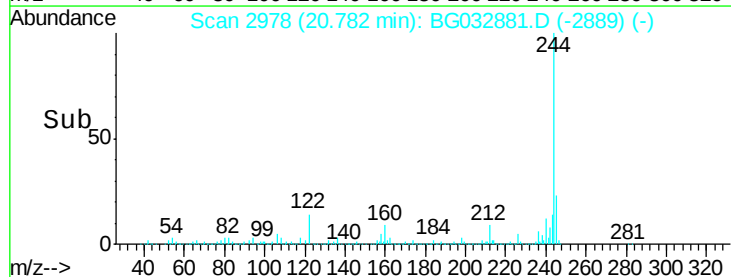
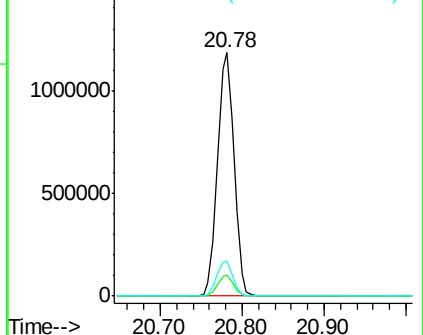
122 14.3 7.0 10.4#

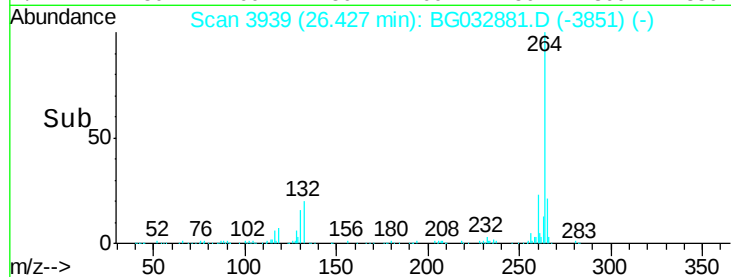
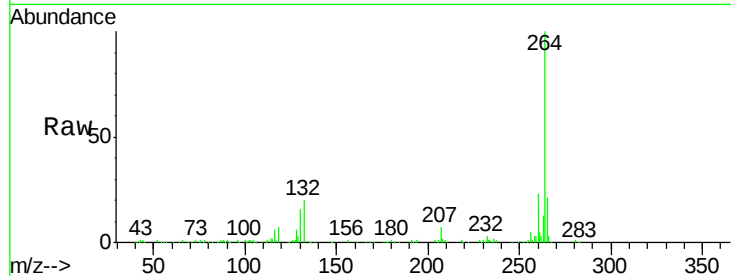
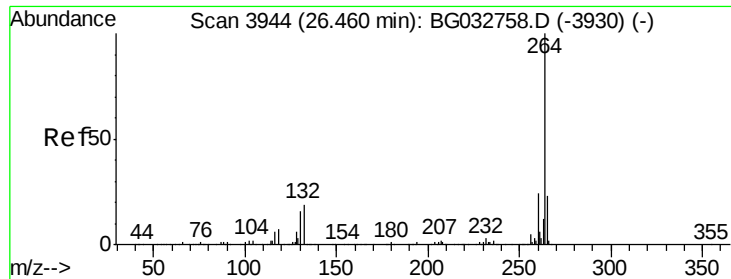


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.43 min Scan# 3939
 Delta R.T. -0.01 min
 Lab File: BG032881.D
 Acq: 28 Feb 2018 8:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	372921
Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.4	26.0
265	21.1	17.7	26.5

