

Data Path : U:\HPCHEM1\BNA G\DATA\BG012518\
 Data File : BG032315.D
 Acq On : 26 Jan 2018 5:24
 Operator : SJ/JU
 Sample : J1267-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 26 06:11:27 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 24 14:02:41 2018
 Response via : Initial Calibration

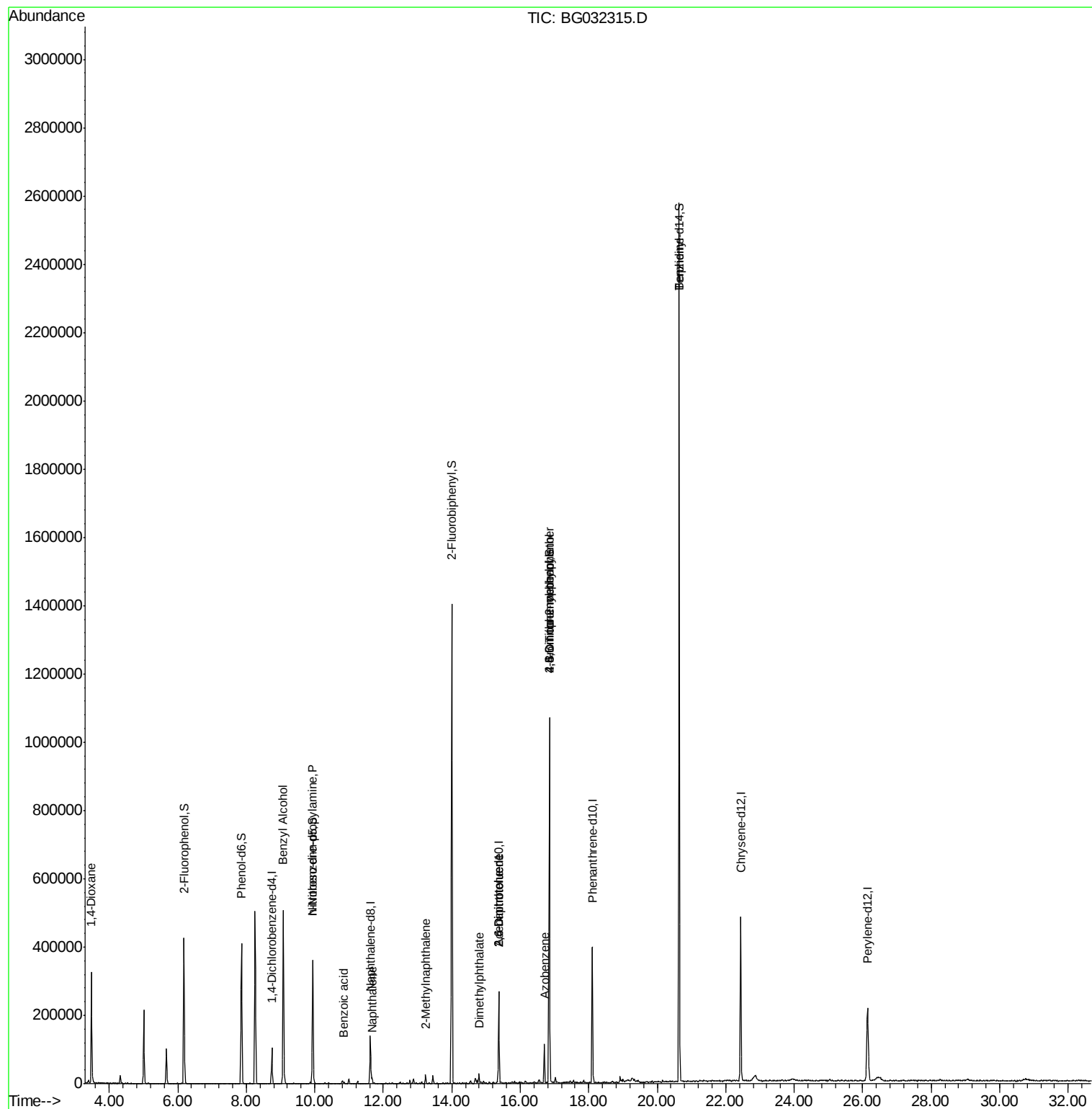
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.75	152	34250	20.00	ng	0.02
21) Naphthalene-d8	11.62	136	134964	20.00	ng	0.02
38) Acenaphthene-d10	15.37	164	99748	20.00	ng	0.01
63) Phenanthrene-d10	18.11	188	284406	20.00	ng	0.01
75) Chrysene-d12	22.44	240	356721	20.00	ng	0.01
86) Perylene-d12	26.14	264	274694	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.18	112	207532	110.82	ng	0.02
7) Phenol-d6	7.86	99	245218	103.97	ng	0.02
23) Nitrobenzene-d5	9.94	82	225215	112.89	ng	0.02
41) 2,4,6-Tribromophenol	16.85	330	251257	152.22	ng	0.01
44) 2-Fluorobiphenyl	14.00	172	828059	102.93	ng	0.01
78) Terphenyl-d14	20.64	244	1380757	85.47	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.48	88	3247	4.513	ng	# 1
15) Benzyl Alcohol	9.08	79	4232	2.470	ng	# 32
19) n-Nitroso-di-n-propylamine	9.94	70	32495	22.206	ng	# 74
31) Naphthalene	11.68	128	16694	2.497	ng	# 94
32) Benzoic acid	10.84	122	955	5.823	ng	# 79
37) 2-Methylnaphthalene	13.23	142	14381	2.709	ng	# 94
49) Dimethylphthalate	14.80	163	19634	2.249	ng	# 95
50) 2,6-Dinitrotoluene	15.37	165	13202	7.287	ng	# 22
56) 2,4-Dinitrotoluene	15.37	165	13202	5.412	ng	# 19
62) Azobenzene	16.70	77	28717	5.422	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.85	198	845	5.301	ng	# 40
66) 4-Bromobiphenyl-phenylether	16.84	248	21882	5.408	ng	# 1
76) Benzidine	20.64	184	20103	2.254	ng	# 97

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

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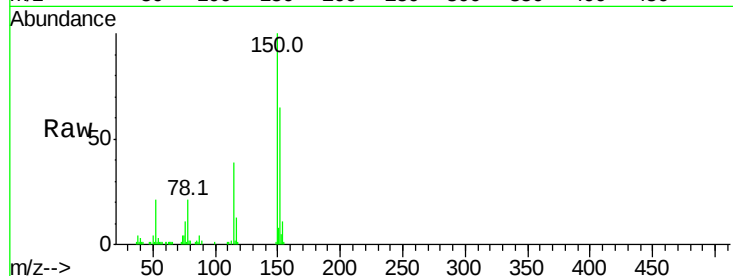


#1

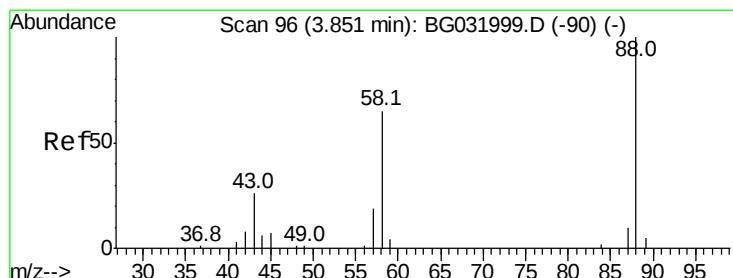
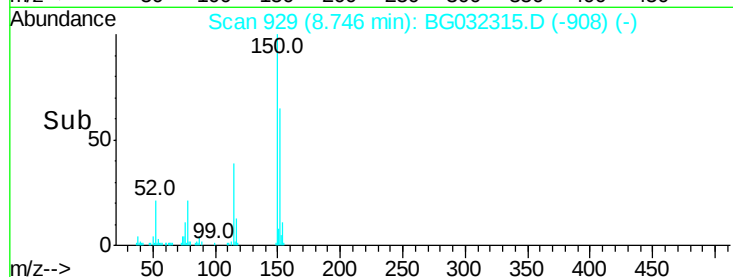
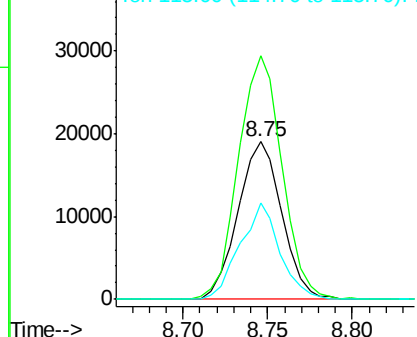
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.75 min Scan# 929
Delta R.T. 0.02 min
Lab File: BG032315.D
Acq: 26 Jan 2018 5:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 34250
Ion Ratio Lower Upper
152 100
150 154.3 126.6 189.8
115 60.8 53.0 79.4



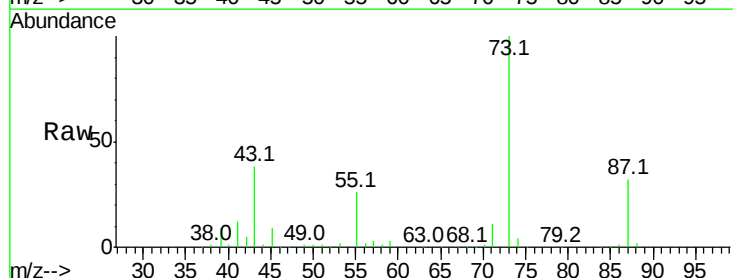
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



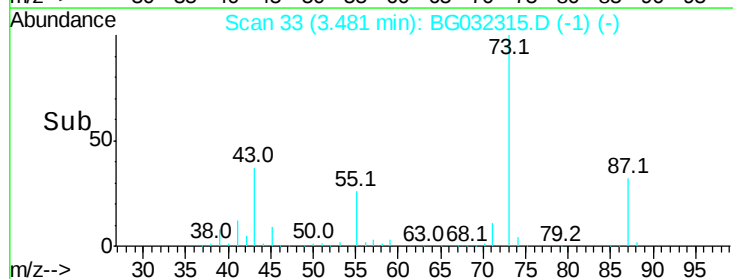
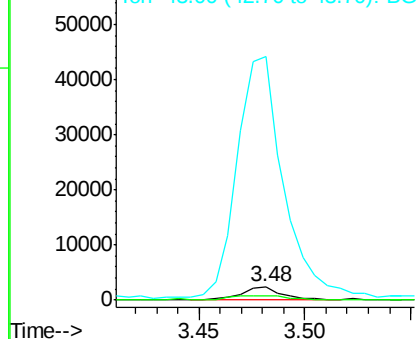
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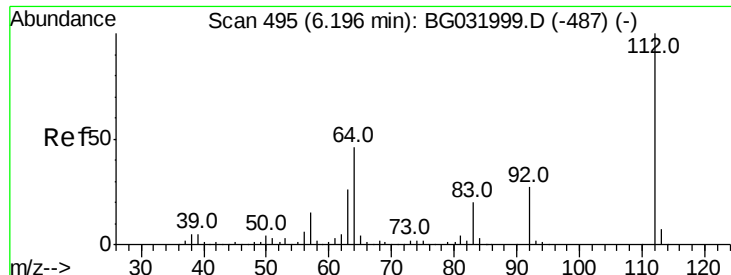
1,4-Dioxane
Concen: 4.513 ng
RT: 3.48 min Scan# 33
Delta R.T. -0.34 min
Lab File: BG032315.D
Acq: 26 Jan 2018 5:24

Tgt Ion: 88 Resp: 3247
Ion Ratio Lower Upper
88 100
58 46.9 79.6 119.4#
43 2087.0 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: 110.821 ng

RT: 6.18 min Scan# 492

Delta R.T. 0.02 min

Lab File: BG032315.D

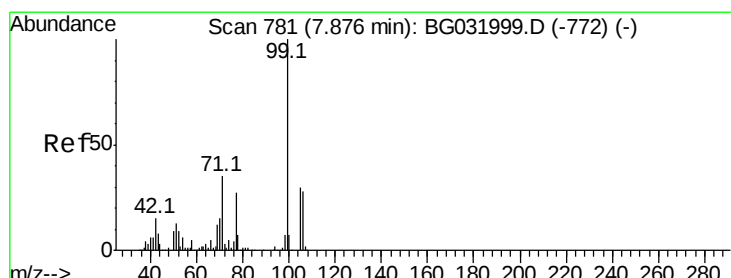
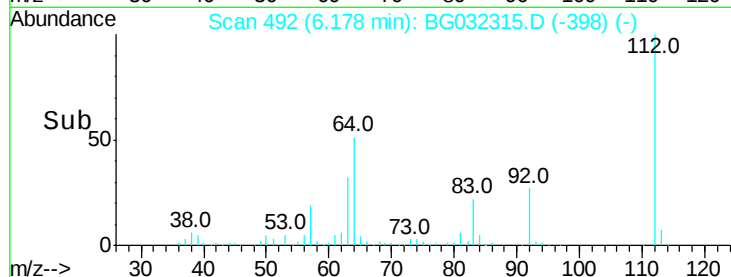
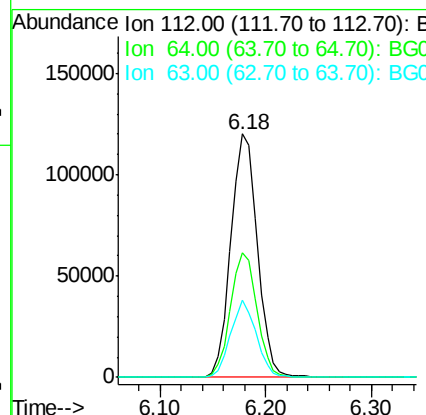
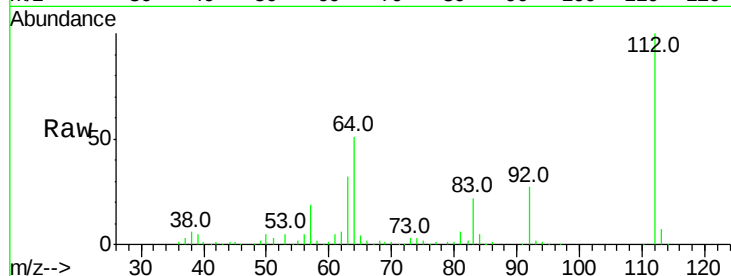
Acq: 26 Jan 2018 5:24

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	112	Resp:	207532
Ion Ratio	Lower	Upper	
112	100		
64	51.0	56.3	84.5#
63	31.9	30.1	45.1



#7

Phenol-d6

Concen: 103.971 ng

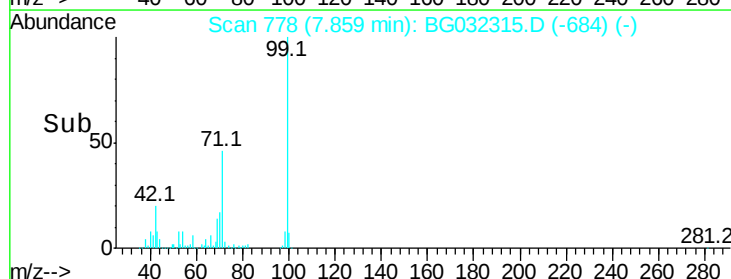
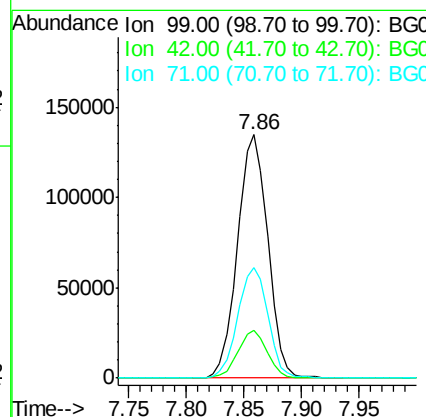
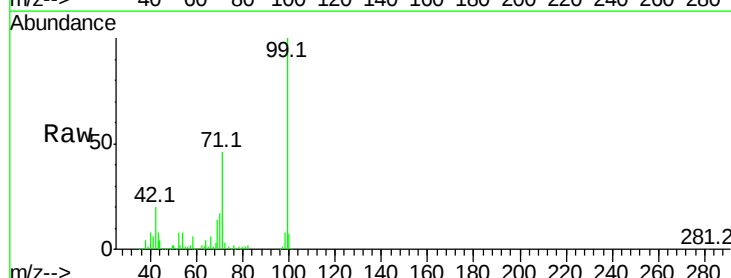
RT: 7.86 min Scan# 778

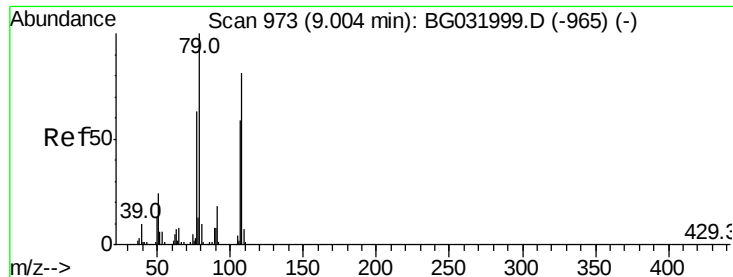
Delta R.T. 0.02 min

Lab File: BG032315.D

Acq: 26 Jan 2018 5:24

Tgt Ion:	99	Resp:	245218
Ion Ratio	Lower	Upper	
99	100		
42	19.8	14.1	21.1
71	45.5	26.1	39.1#





#15

Benzyl Alcohol

Concen: 2.470 ng

RT: 9.08 min Scan# 986

Delta R.T. 0.12 min

Lab File: BG032315.D

Acq: 26 Jan 2018 5:24

Instrument :

BNA_G

ClientSampleId :

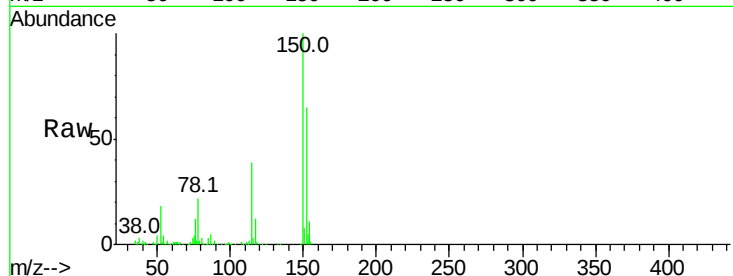
Tot Ion: 79 Resp: 4232

Ion Ratio Lower Upper

79 100

108 32.8 57.2 85.8#

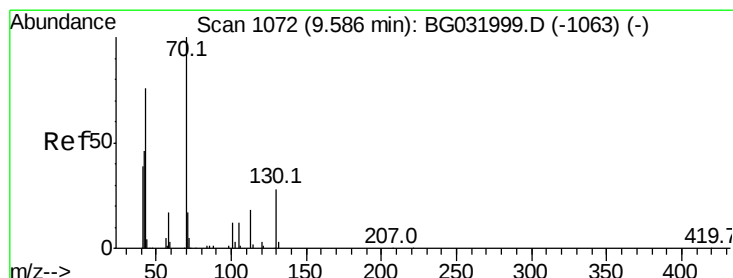
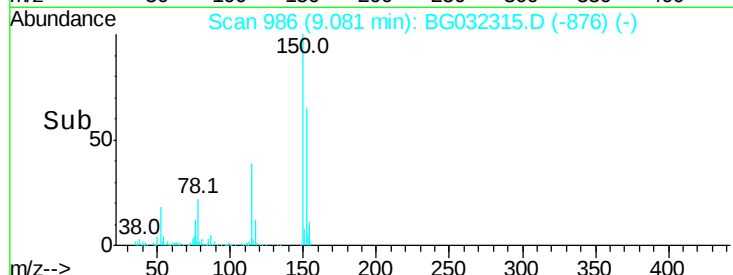
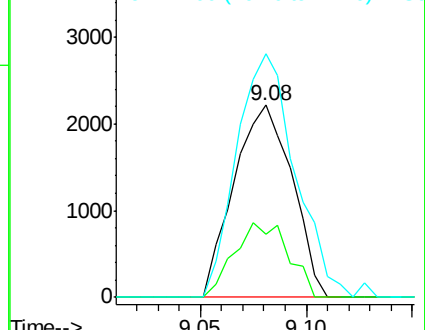
77 126.8 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 22.206 ng

RT: 9.94 min Scan# 1133

Delta R.T. 0.40 min

Lab File: BG032315.D

Acq: 26 Jan 2018 5:24

Tgt Ion: 70 Resp: 32495

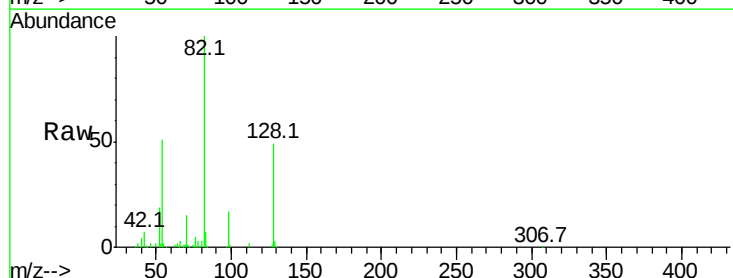
Ion Ratio Lower Upper

70 100

42 43.8 49.1 73.7#

101 0.0 8.5 12.7#

130 2.2 13.4 20.0#

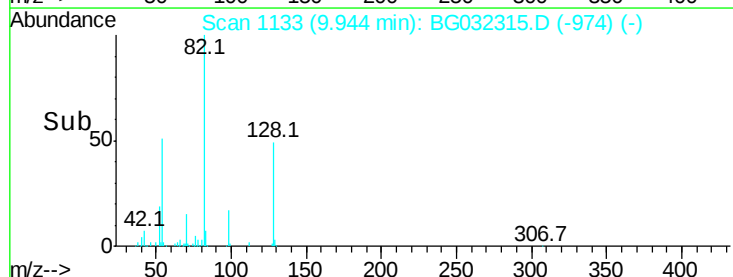
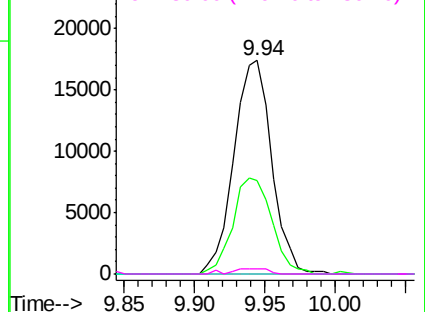


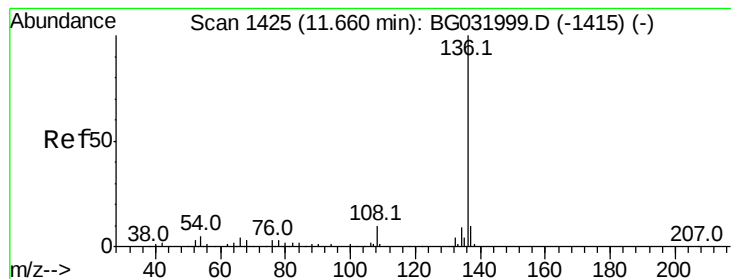
Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 11.62 min Scan# 1419

Delta R.T. 0.02 min

Lab File: BG032315.D

Acq: 26 Jan 2018 5:24

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 134964

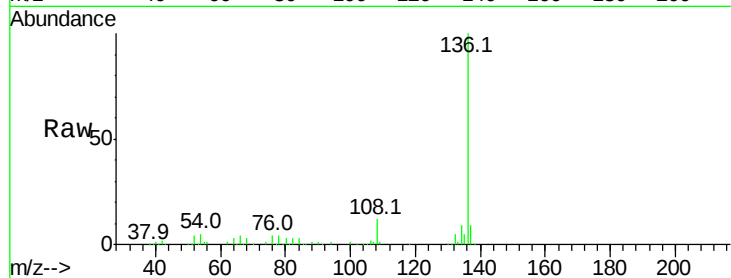
Ion Ratio Lower Upper

136 100

137 9.1 9.2 13.8#

54 4.8 10.3 15.5#

68 3.2 4.5 6.7#

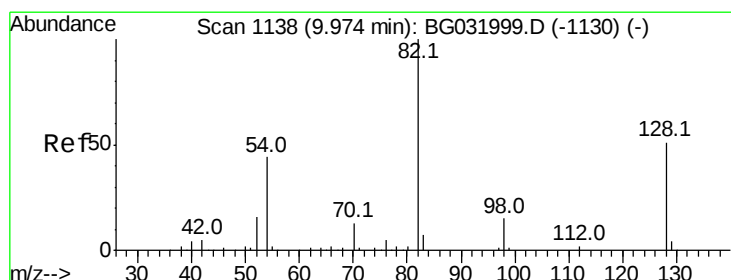
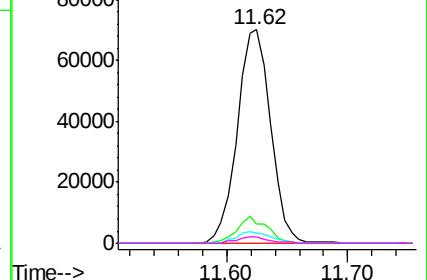
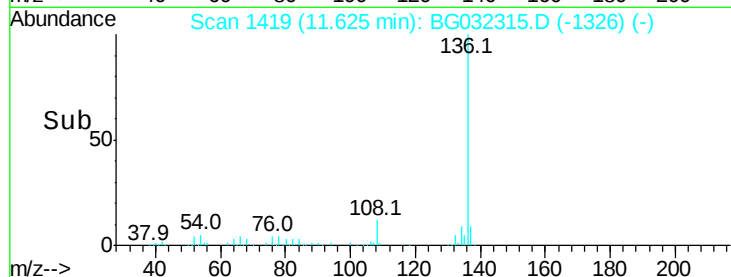


Abundance Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

Ion 54.00 (53.70 to 54.70): B

Ion 68.00 (67.70 to 68.70): B



#23

Nitrobenzene-d5

Concen: 112.895 ng

RT: 9.94 min Scan# 1132

Delta R.T. 0.02 min

Lab File: BG032315.D

Acq: 26 Jan 2018 5:24

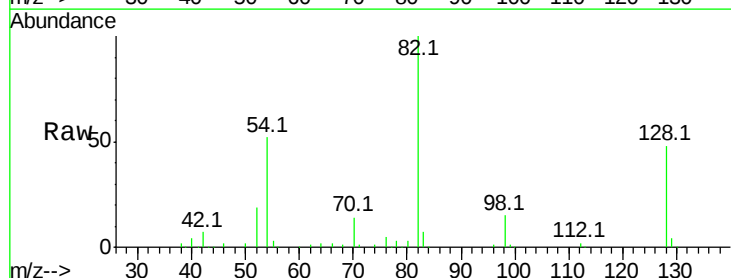
Tgt Ion: 82 Resp: 225215

Ion Ratio Lower Upper

82 100

128 48.1 29.7 44.5#

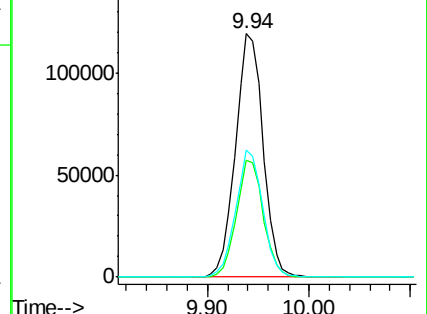
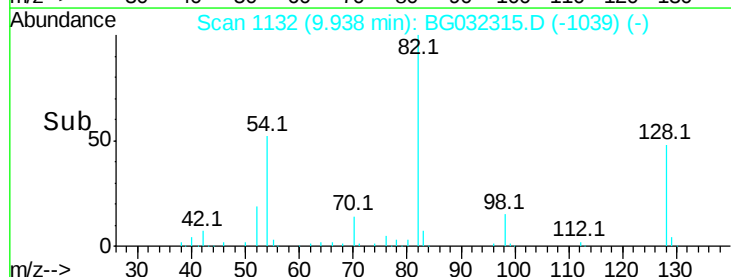
54 52.1 43.1 64.7

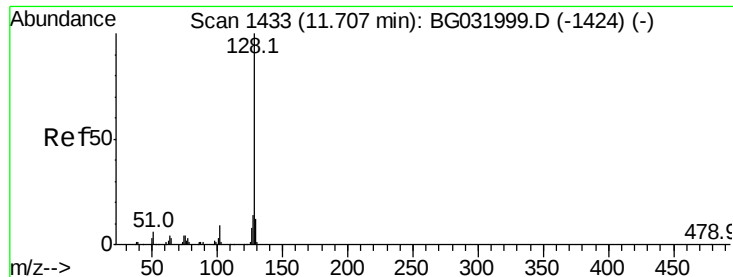


Abundance Ion 82.00 (81.70 to 82.70): B

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): B

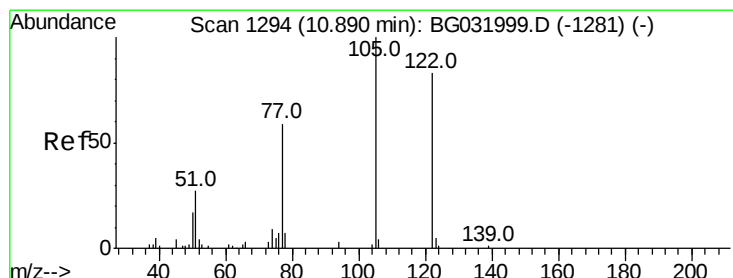
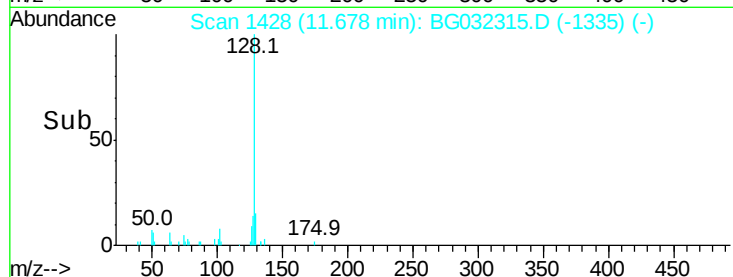
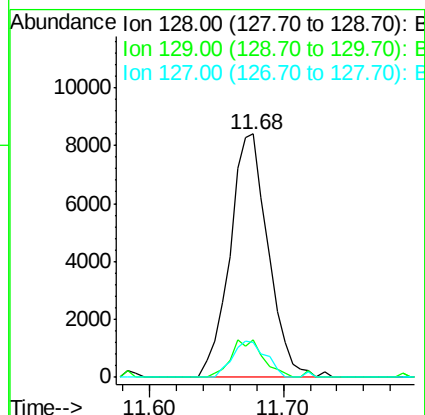
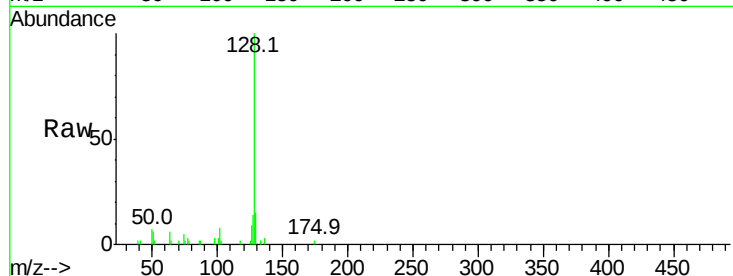




#31
Naphthalene
Concen: 2.497 ng
RT: 11.68 min Scan# 1428
Delta R.T. 0.02 min
Lab File: BG032315.D
Acq: 26 Jan 2018 5:24

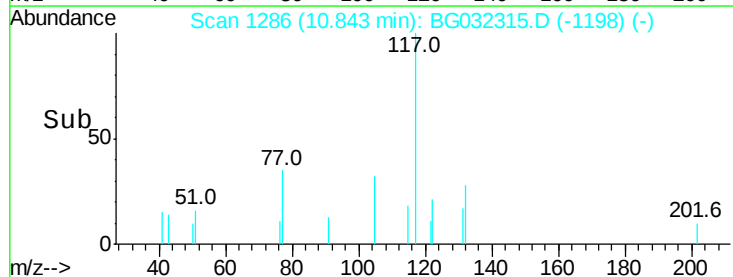
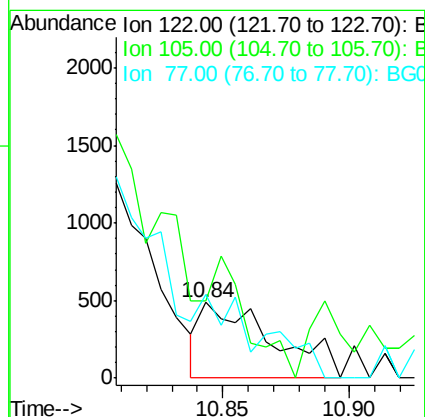
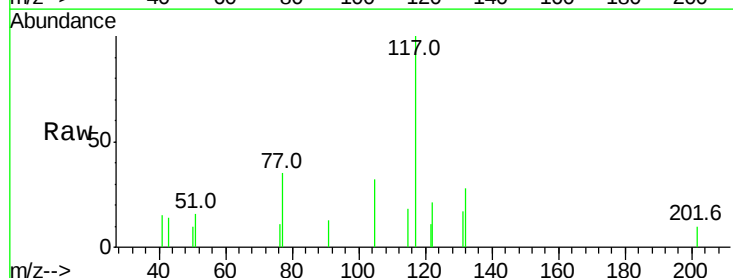
Instrument :
BNA_G
ClientSampleId :

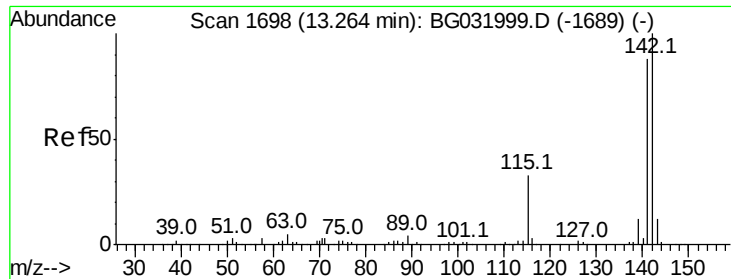
Tot Ion:128 Resp: 16694
Ion Ratio Lower Upper
128 100
129 15.4 8.6 12.8#
127 14.3 11.6 17.4



#32
Benzoic acid
Concen: 5.823 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG032315.D
Acq: 26 Jan 2018 5:24

Tgt Ion:122 Resp: 955
Ion Ratio Lower Upper
122 100
105 101.2 123.5 163.5#
77 109.8 85.7 125.7

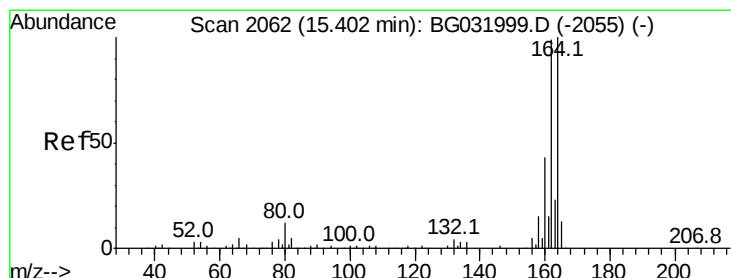
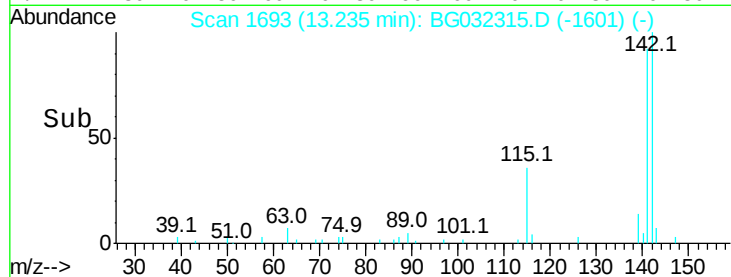
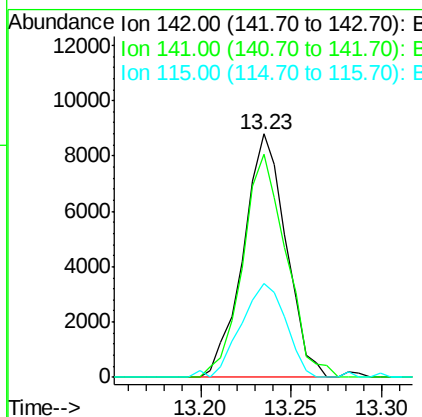
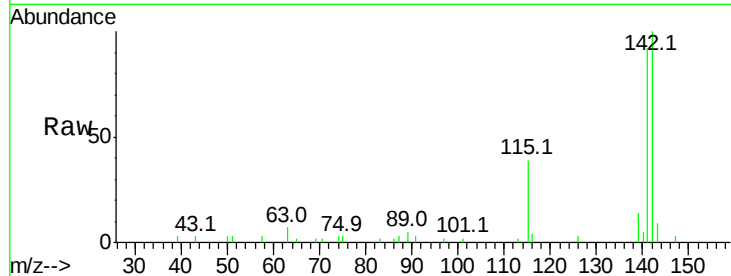




#37
 2-Methylnaphthalene
 Concen: 2.709 ng
 RT: 13.23 min Scan# 1693
 Delta R.T. 0.01 min
 Lab File: BG032315.D
 Acq: 26 Jan 2018 5:24

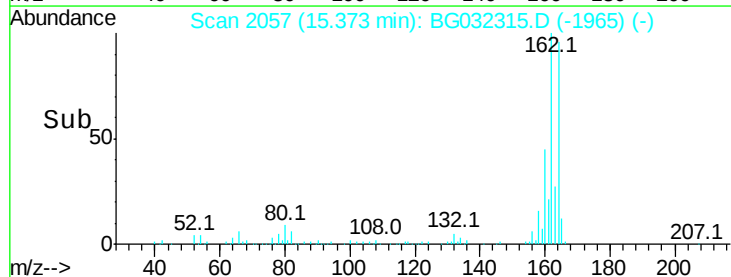
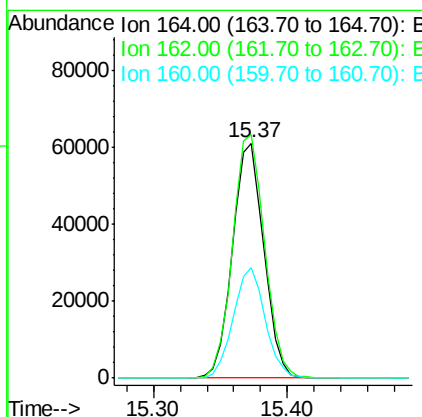
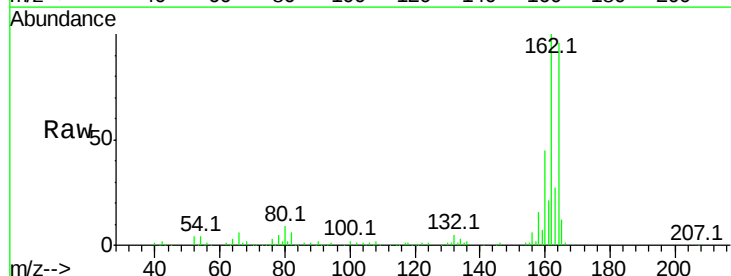
Instrument :
 BNA_G
 ClientSampleId :

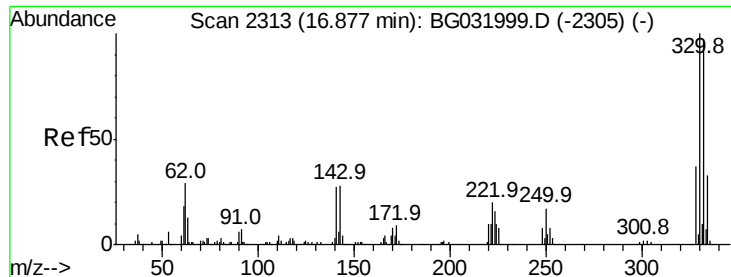
Tot Ion:142 Resp: 14381
 Ion Ratio Lower Upper
 142 100
 141 91.6 67.1 100.7
 115 38.7 30.7 46.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.37 min Scan# 2057
 Delta R.T. 0.01 min
 Lab File: BG032315.D
 Acq: 26 Jan 2018 5:24

Tgt Ion:164 Resp: 99748
 Ion Ratio Lower Upper
 164 100
 162 103.6 78.8 118.2
 160 46.8 35.4 53.0

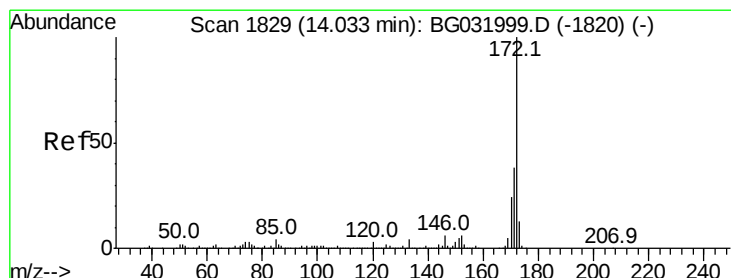
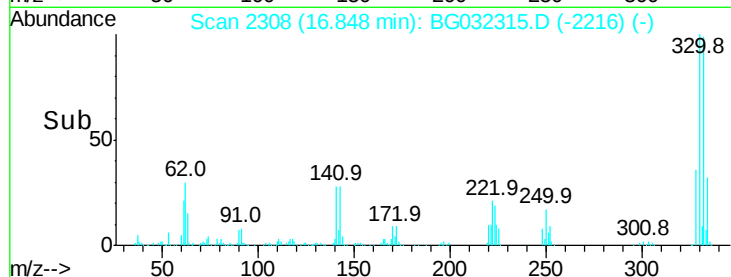
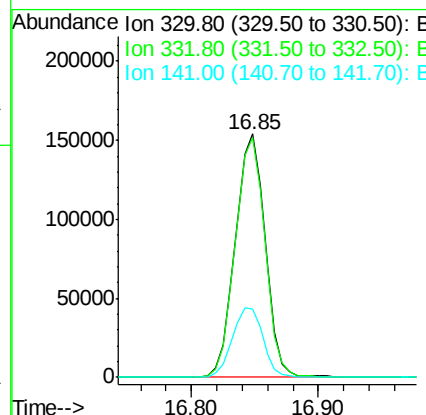
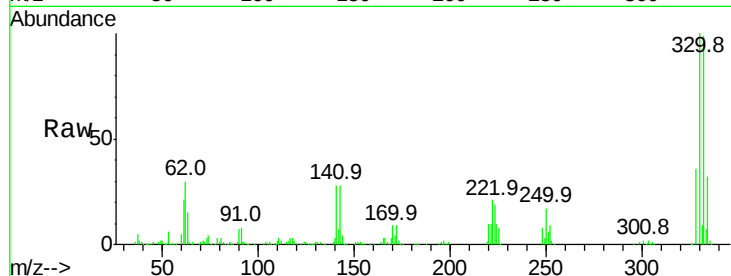




#41
 2,4,6-Tribromophenol
 Concen: 152.222 ng
 RT: 16.85 min Scan# 2308
 Delta R.T. 0.01 min
 Lab File: BG032315.D
 Acq: 26 Jan 2018 5:24

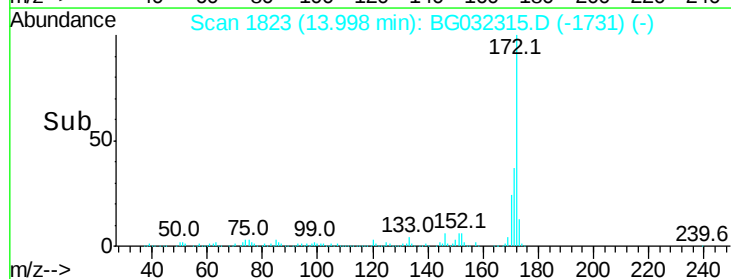
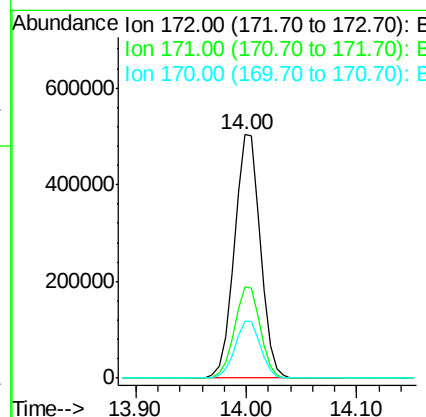
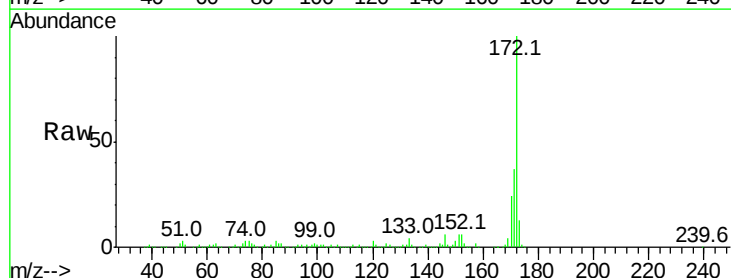
Instrument :
 BNA_G
 ClientSampleId :

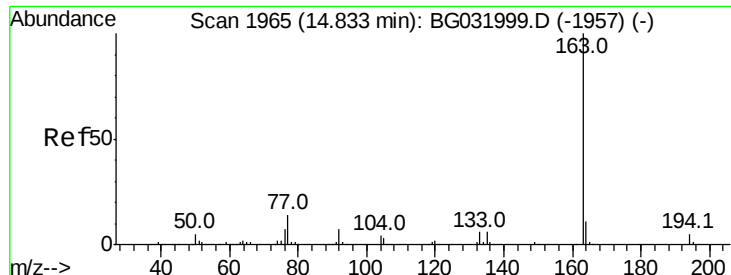
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.0	115.6
141	29.1	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 102.935 ng
 RT: 14.00 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: BG032315.D
 Acq: 26 Jan 2018 5:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.0	45.0
170	23.5	19.5	29.3





#49

Dimethylphthalate

Concen: 2.249 ng

RT: 14.80 min Scan# 1959

Delta R.T. 0.00 min

Lab File: BG032315.D

Acq: 26 Jan 2018 5:24

Instrument :

BNA_G

ClientSampleId :

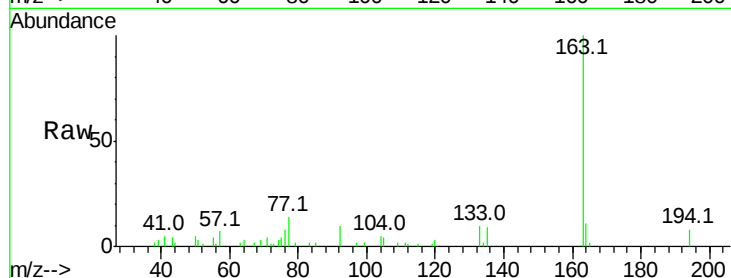
Tot Ion:163 Resp: 19634

Ion Ratio Lower Upper

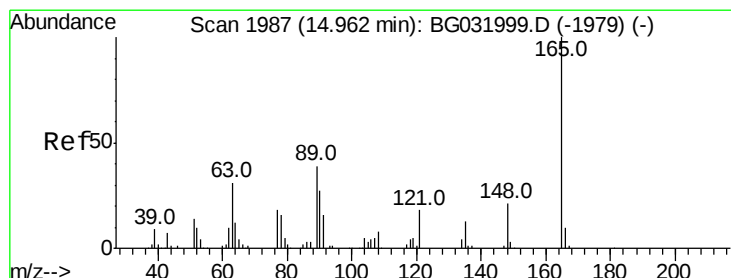
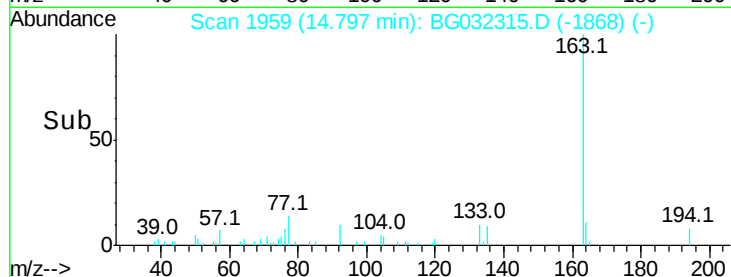
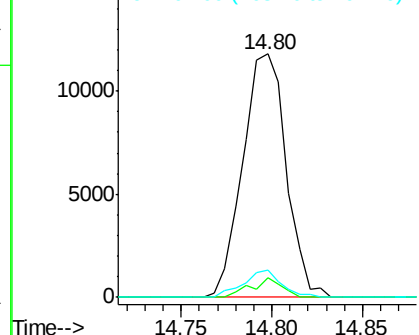
163 100

194 7.9 3.4 5.2#

164 11.4 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.287 ng

RT: 15.37 min Scan# 2057

Delta R.T. 0.45 min

Lab File: BG032315.D

Acq: 26 Jan 2018 5:24

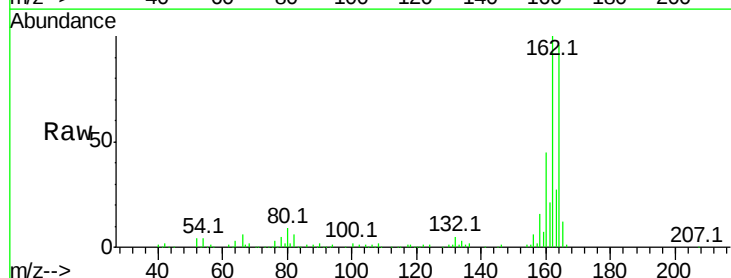
Tgt Ion:165 Resp: 13202

Ion Ratio Lower Upper

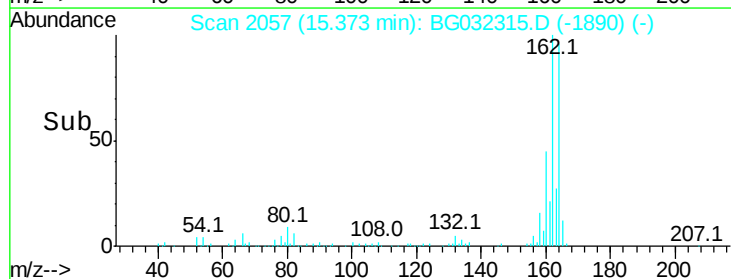
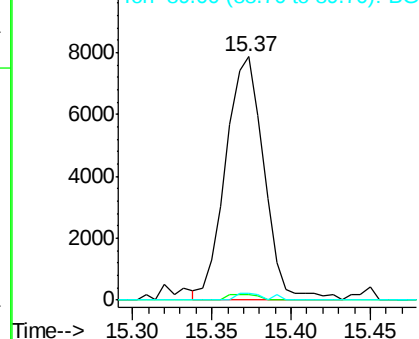
165 100

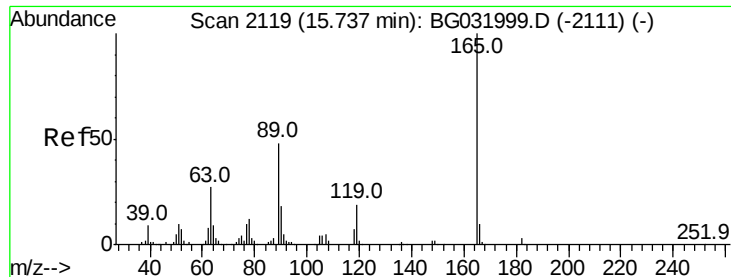
63 2.1 52.7 79.1#

89 2.9 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

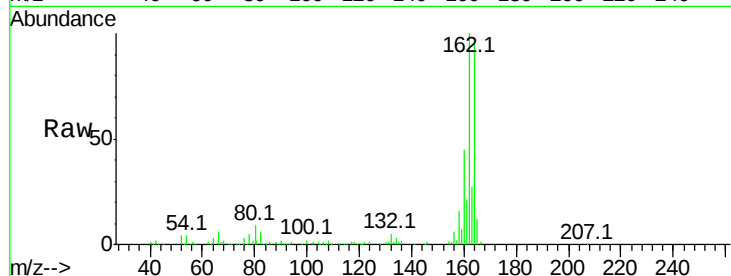




#56
2,4-Dinitrotoluene
Concen: 5.412 ng
RT: 15.37 min Scan# 2057
Delta R.T. -0.32 min
Lab File: BG032315.D
Acq: 26 Jan 2018 5:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	42.0	63.0#
89	2.9	66.9	100.3#
182	0.0	2.6	3.8#

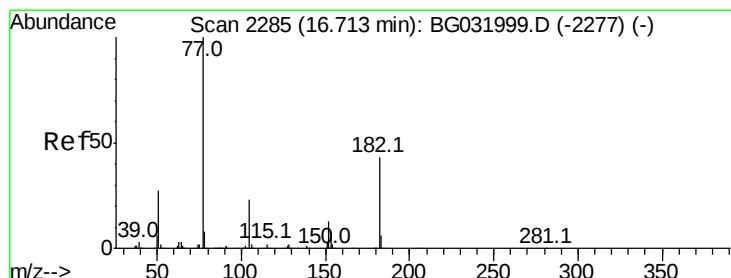
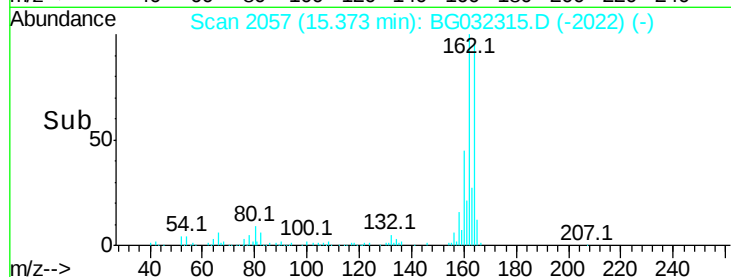
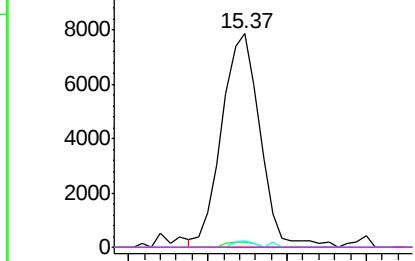


Abundance Ion 165.00 (164.70 to 165.70): E

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



#62
Azobenzene
Concen: 5.422 ng
RT: 16.70 min Scan# 2283
Delta R.T. 0.03 min
Lab File: BG032315.D
Acq: 26 Jan 2018 5:24

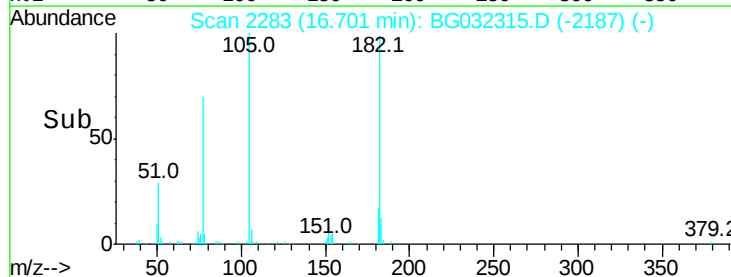
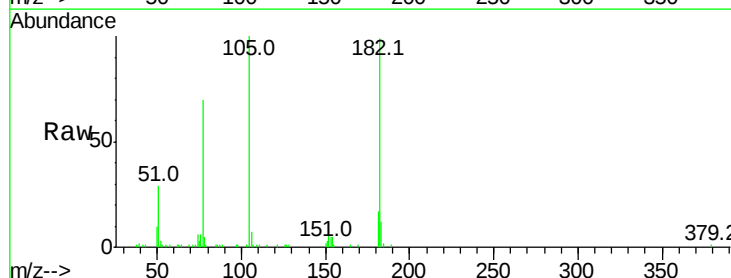
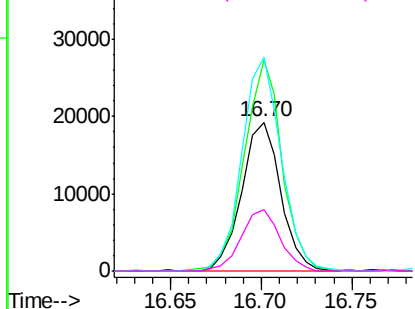
Tgt Ion	Ratio	Lower	Upper
77	100		
182	141.7	7.4	47.4#
105	143.6	0.3	40.3#
51	41.4	11.6	51.6

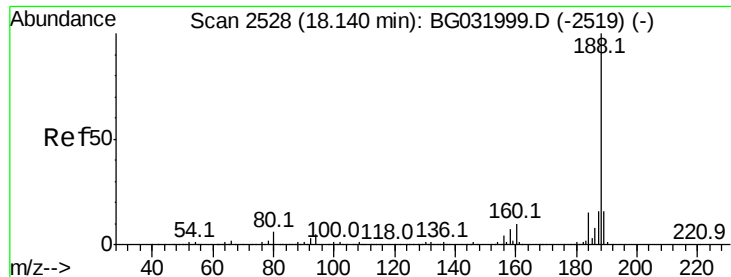
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC

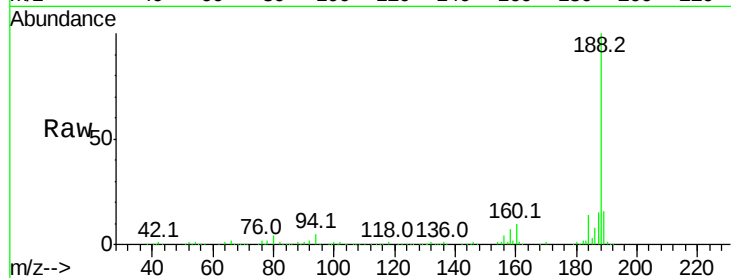




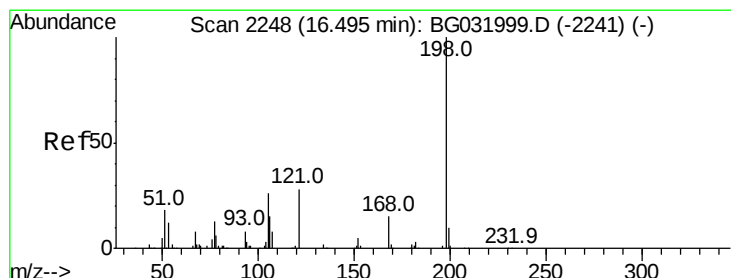
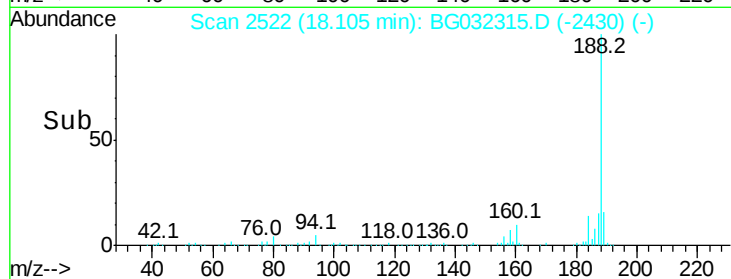
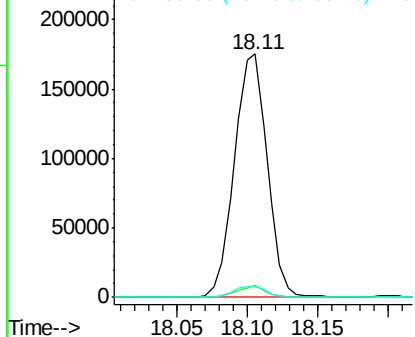
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.11 min Scan# 2522
Delta R.T. 0.01 min
Lab File: BG032315.D
Acq: 26 Jan 2018 5:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 284406
Ion Ratio Lower Upper
188 100
94 4.6 6.9 10.3#
80 4.1 7.7 11.5#

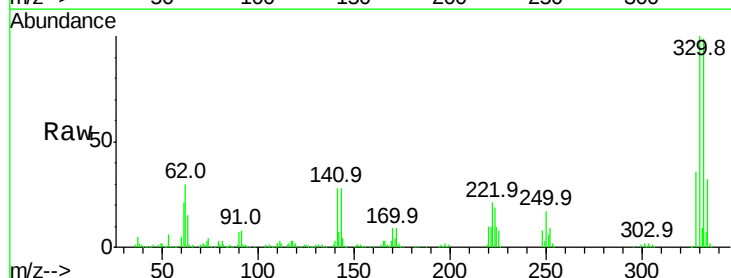


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

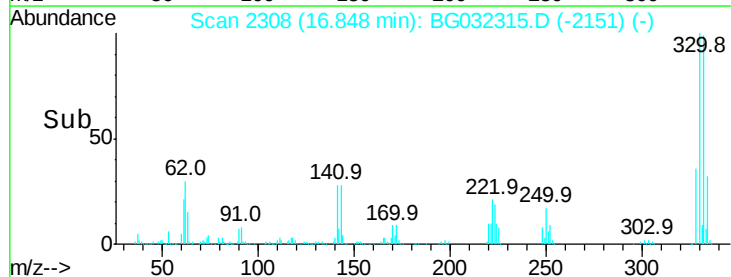
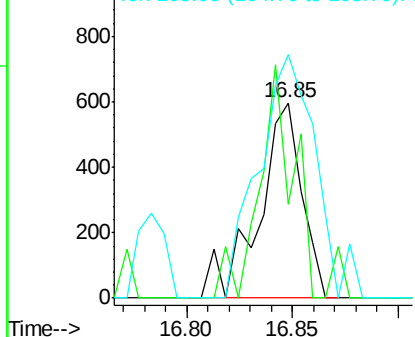


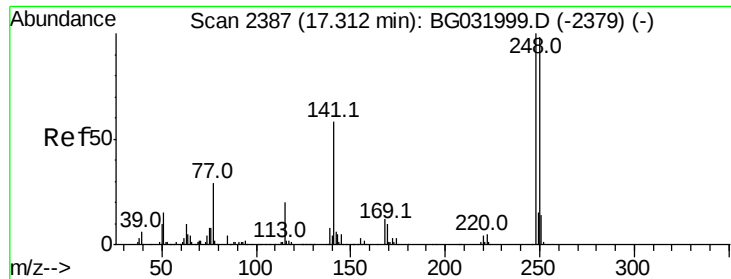
#64
4,6-Dinitro-2-methylphenol
Concen: 5.301 ng
RT: 16.85 min Scan# 2308
Delta R.T. 0.39 min
Lab File: BG032315.D
Acq: 26 Jan 2018 5:24

Tgt Ion:198 Resp: 845
Ion Ratio Lower Upper
198 100
51 48.2 30.6 70.6
105 124.6 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

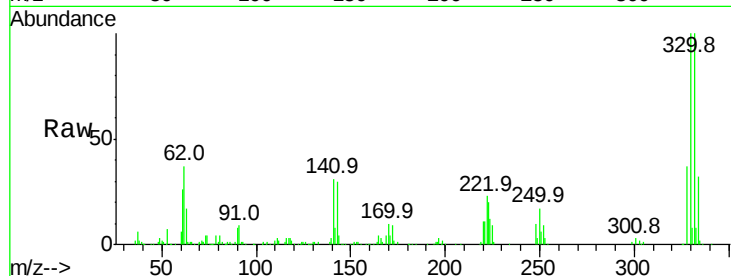




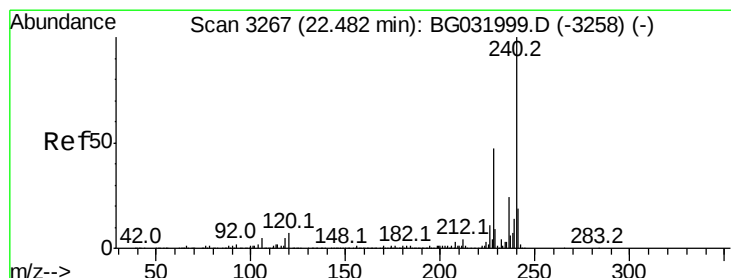
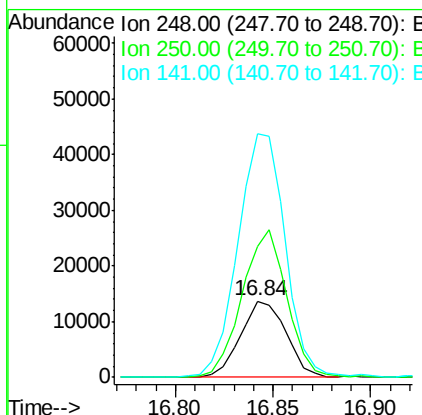
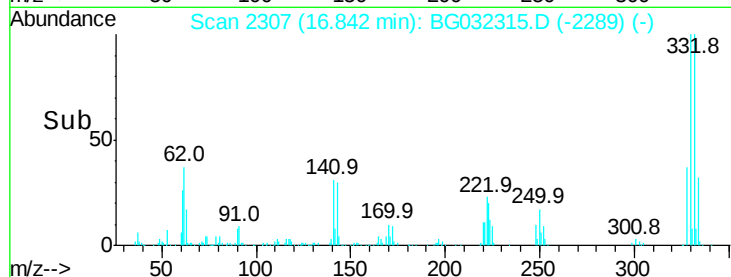
#66
4-Bromophenyl-phenylether
Concen: 5.408 ng
RT: 16.84 min Scan# 2307
Delta R.T. -0.42 min
Lab File: BG032315.D
Acq: 26 Jan 2018 5:24

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 21882
Ion Ratio Lower Upper
248 100
250 171.6 77.1 115.7#
141 319.4 50.8 76.2#

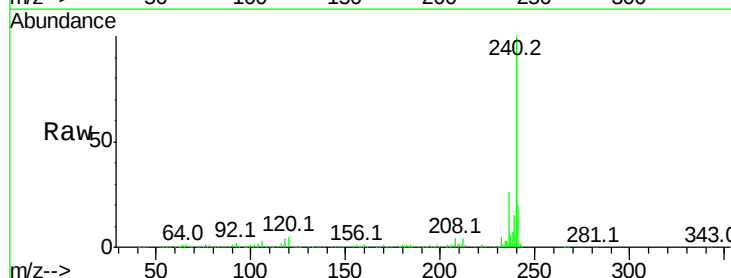


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

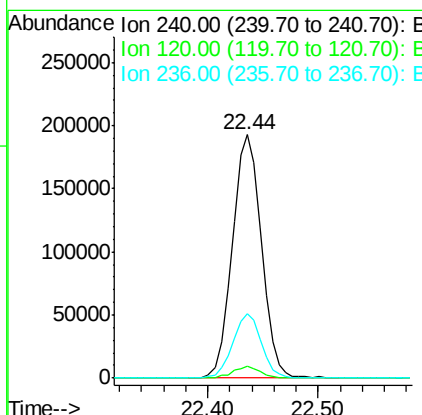
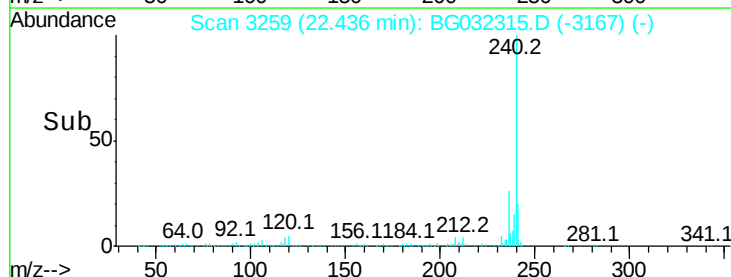


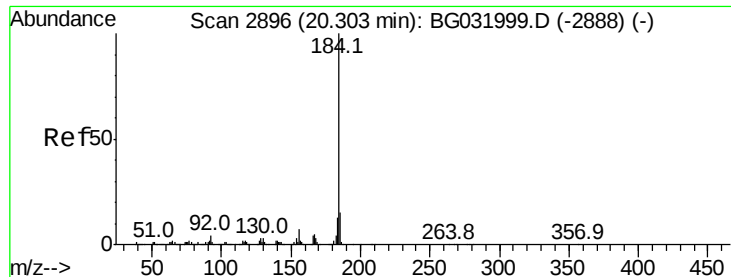
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.44 min Scan# 3259
Delta R.T. 0.01 min
Lab File: BG032315.D
Acq: 26 Jan 2018 5:24

Tgt Ion:240 Resp: 356721
Ion Ratio Lower Upper
240 100
120 4.7 6.8 10.2#
236 26.3 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: 2.254 ng

RT: 20.64 min Scan# 2953

Delta R.T. 0.38 min

Lab File: BG032315.D

Acq: 26 Jan 2018 5:24

Instrument :

BNA_G

ClientSampleId :

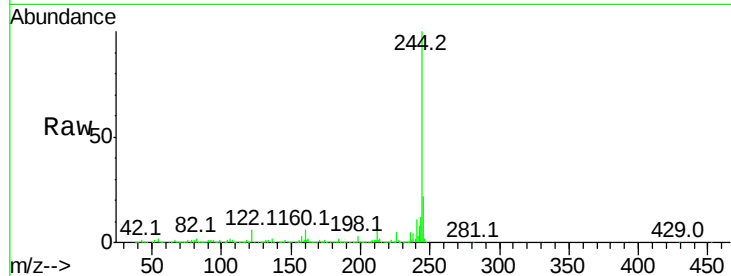
Tot Ion:184 Resp: 20103

Ion Ratio Lower Upper

184 100

185 14.2 11.1 16.7

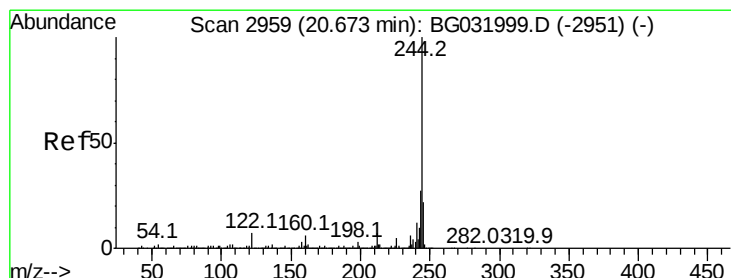
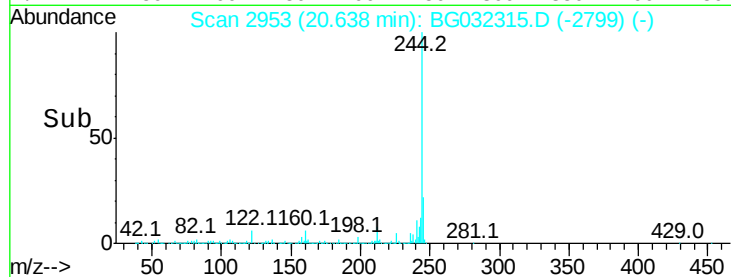
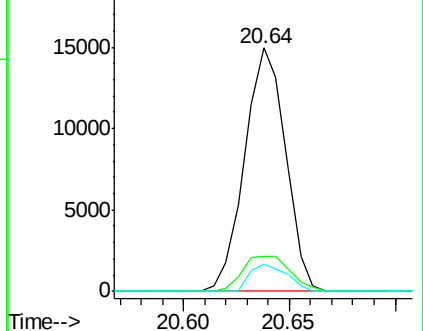
183 11.3 10.6 16.0



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: 85.467 ng

RT: 20.64 min Scan# 2953

Delta R.T. 0.00 min

Lab File: BG032315.D

Acq: 26 Jan 2018 5:24

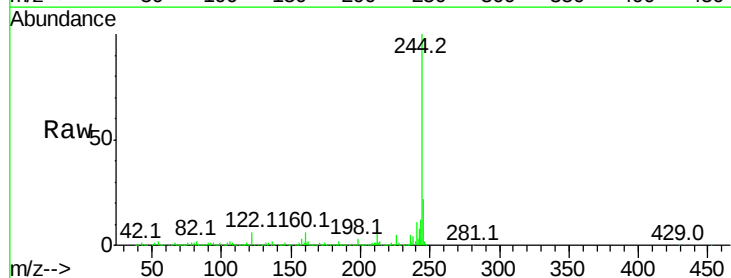
Tgt Ion:244 Resp: 1380757

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

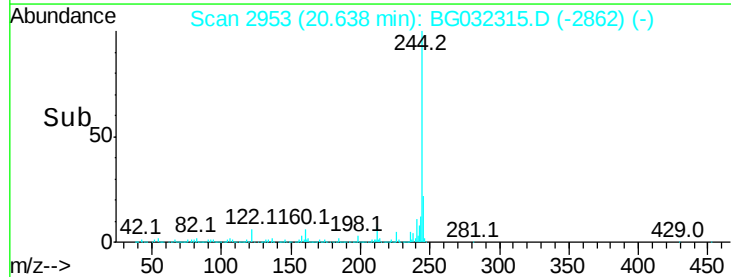
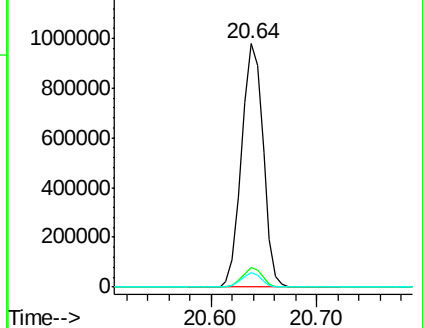
122 5.7 7.0 10.4#

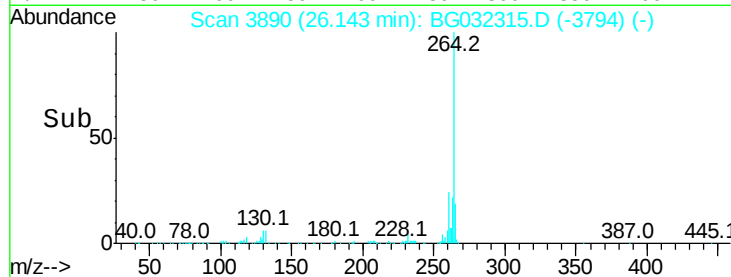
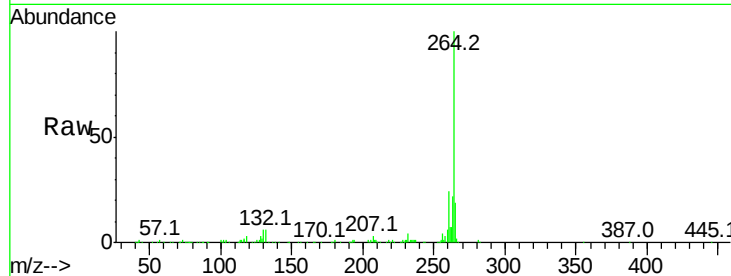
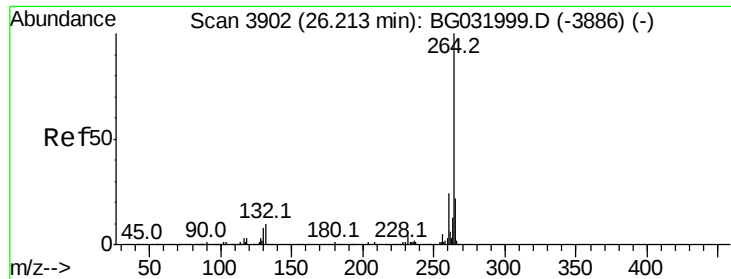


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.14 min Scan# 3890

Delta R.T. 0.03 min

Lab File: BG032315.D

Acq: 26 Jan 2018 5:24

Instrument :

BNA_G

ClientSampleId :

Tot Ion:264 Resp: 274694

Ion Ratio Lower Upper

264 100

260 23.7 17.4 26.0

265 19.1 17.7 26.5

