

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012718\
 Data File : BG032371.D
 Acq On : 28 Jan 2018 1:14
 Operator : SJ/JU
 Sample : J1018-11
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 28 03:33:33 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	8.72	152	33282	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	122613	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	82943	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	227619	20.00	ng	0.00
75) Chrysene-d12	22.41	240	318927	20.00	ng	-0.01
86) Perylene-d12	26.09	264	335435	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	222512	122.28	ng	0.00
7) Phenol-d6	7.84	99	251780	109.86	ng	0.00
23) Nitrobenzene-d5	9.92	82	186280	102.78	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	222911	162.41	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	643241	96.16	ng	0.00
78) Terphenyl-d14	20.63	244	1420056	98.32	ng	0.00

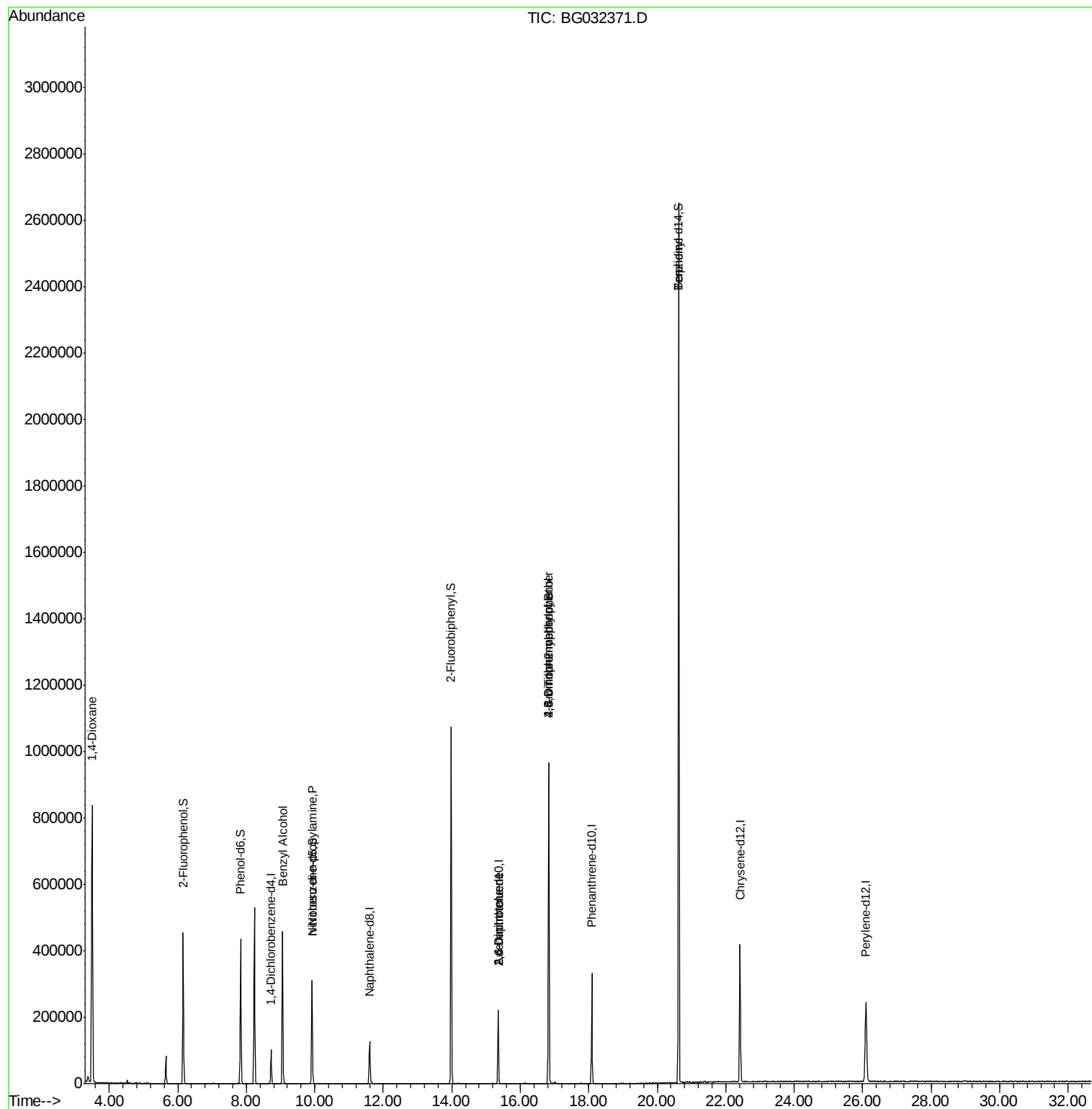
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.49	88	10115	14.468	ng	# 1
15) Benzyl Alcohol	9.06	79	3495	2.099	ng	# 44
19) n-Nitroso-di-n-propylamine	9.92	70	28042	19.720	ng	# 76
50) 2,6-Dinitrotoluene	15.35	165	11211	7.442	ng	# 21
56) 2,4-Dinitrotoluene	15.35	165	11211	5.527	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.83	198	755	5.350	ng	# 41
66) 4-Bromophenyl-phenylether	16.83	248	19562	6.040	ng	# 1
76) Benzidine	20.63	184	20371	2.554	ng	96

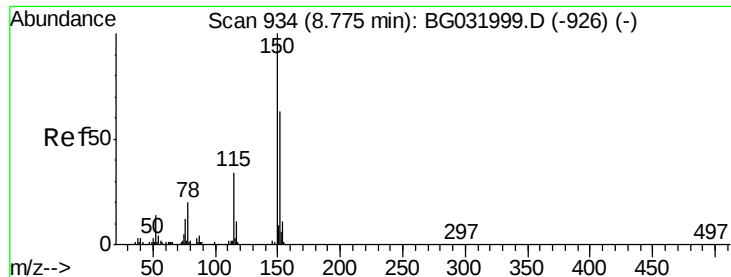
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012718\
Data File : BG032371.D
Acq On : 28 Jan 2018 1:14
Operator : SJ/JU
Sample : J1018-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Jan 28 03:33:33 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.72 min Scan# 925

Delta R.T. 0.00 min

Lab File: BG032371.D

Acq: 28 Jan 2018 1:14

Instrument :

BNA_G

ClientSampleId :

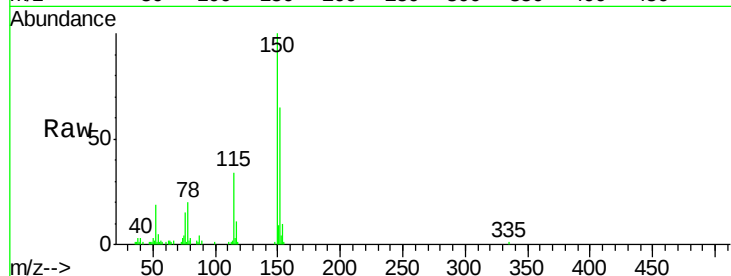
Tot Ion:152 Resp: 33282

Ion Ratio Lower Upper

152 100

150 154.8 126.6 189.8

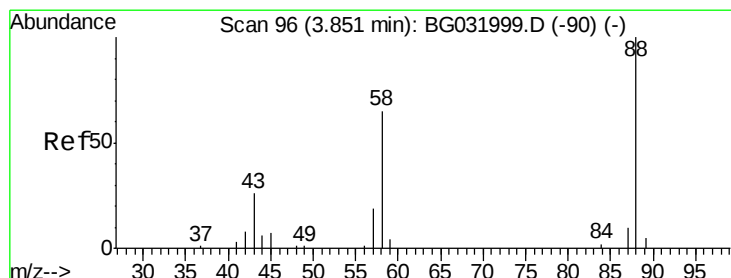
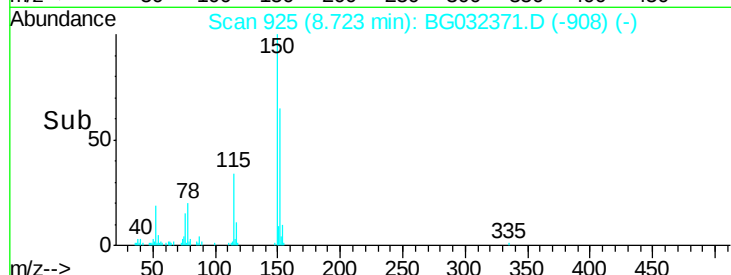
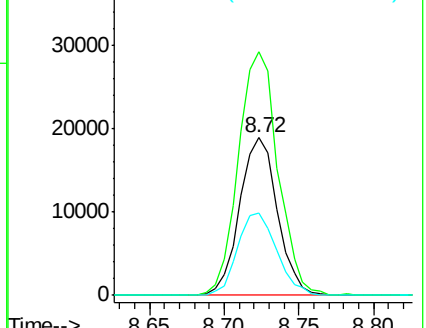
115 52.4 53.0 79.4#



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



#2

1,4-Dioxane

Concen: 14.468 ng

RT: 3.49 min Scan# 35

Delta R.T. -0.33 min

Lab File: BG032371.D

Acq: 28 Jan 2018 1:14

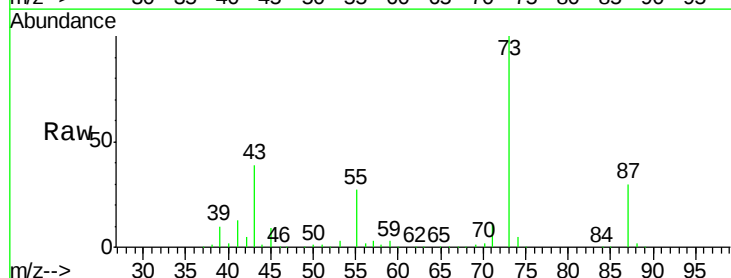
Tgt Ion: 88 Resp: 10115

Ion Ratio Lower Upper

88 100

58 36.9 79.6 119.4#

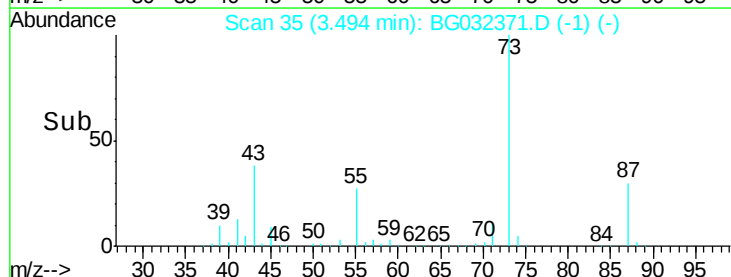
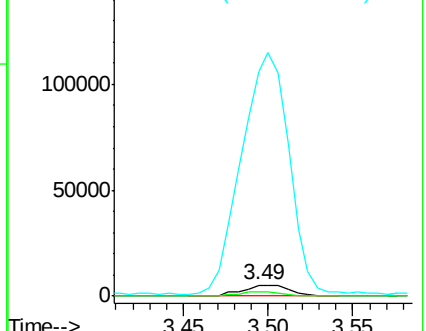
43 2212.7 27.4 41.0#

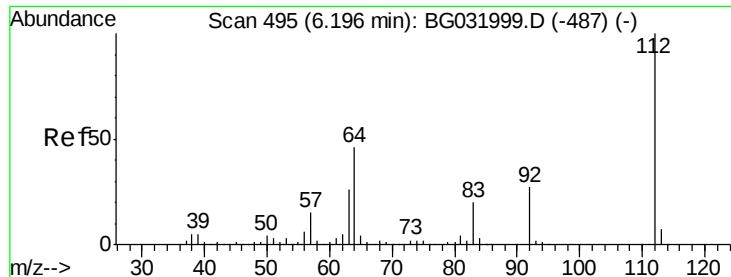


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 122.276 ng

RT: 6.16 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG032371.D

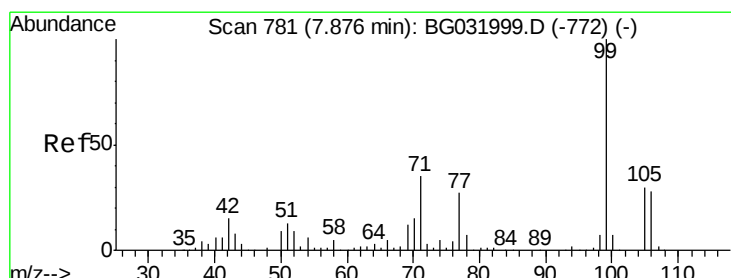
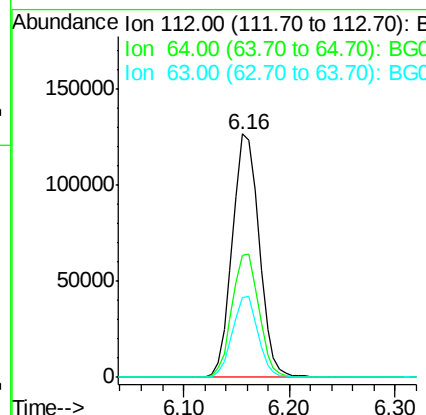
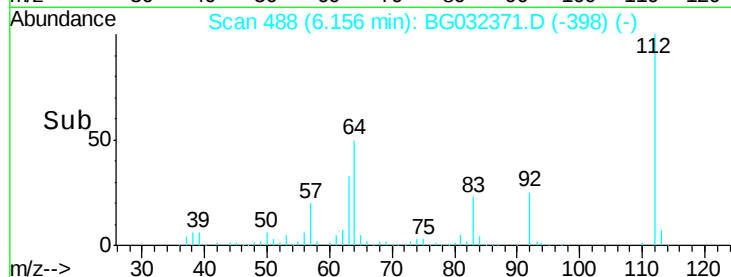
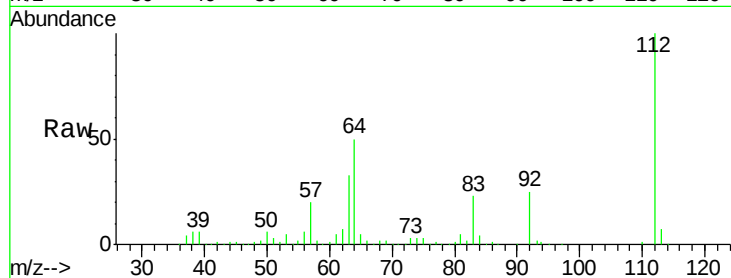
Acq: 28 Jan 2018 1:14

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	112	Resp:	222512
Ion Ratio	Lower	Upper	
112	100		
64	50.2	56.3	84.5#
63	32.8	30.1	45.1



#7

Phenol-d6

Concen: 109.858 ng

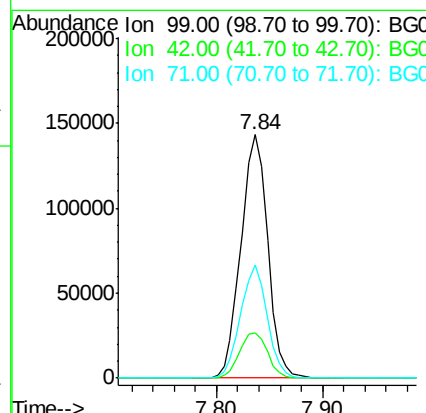
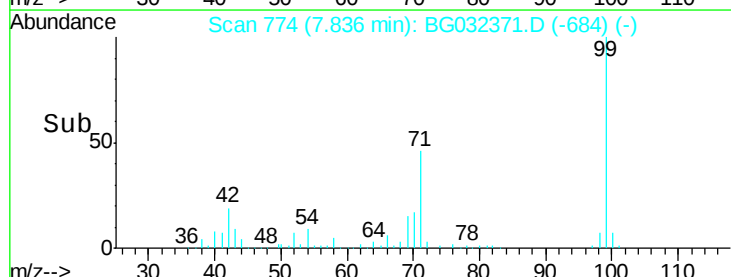
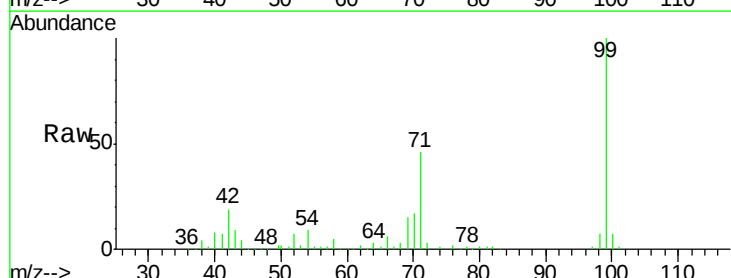
RT: 7.84 min Scan# 774

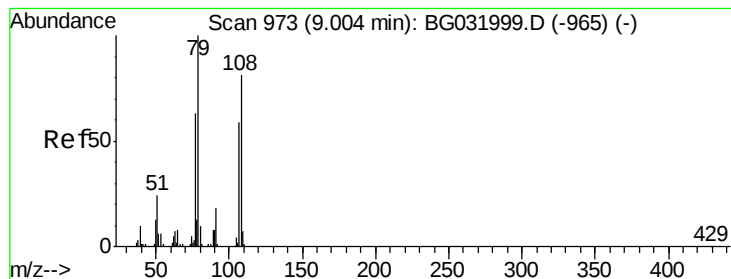
Delta R.T. 0.00 min

Lab File: BG032371.D

Acq: 28 Jan 2018 1:14

Tgt Ion:	99	Resp:	251780
Ion Ratio	Lower	Upper	
99	100		
42	18.8	14.1	21.1
71	46.4	26.1	39.1#





#15

Benzyl Alcohol

Concen: 2.099 ng

RT: 9.06 min Scan# 982

Delta R.T. 0.09 min

Lab File: BG032371.D

Acq: 28 Jan 2018 1:14

Instrument :

BNA_G

ClientSampleId :

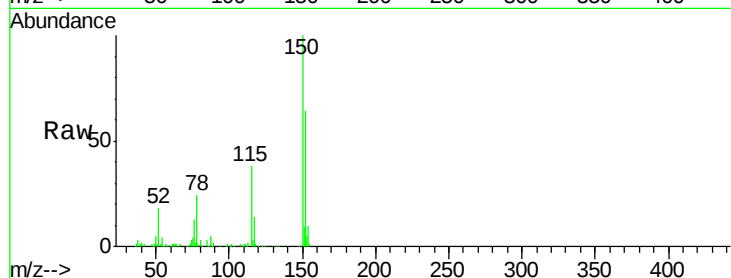
Tot Ion: 79 Resp: 3495

Ion Ratio Lower Upper

79 100

108 40.6 57.2 85.8#

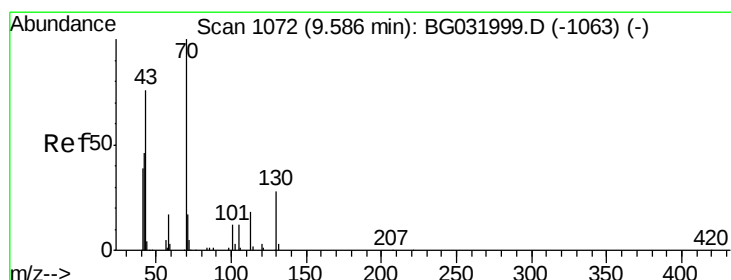
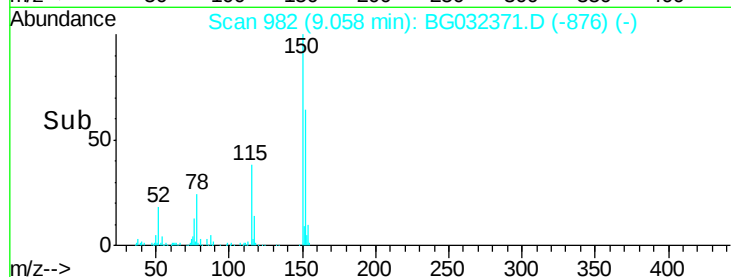
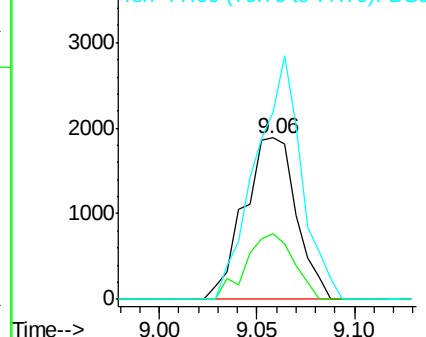
77 115.8 46.1 69.1#



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: 19.720 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.38 min

Lab File: BG032371.D

Acq: 28 Jan 2018 1:14

Tgt Ion: 70 Resp: 28042

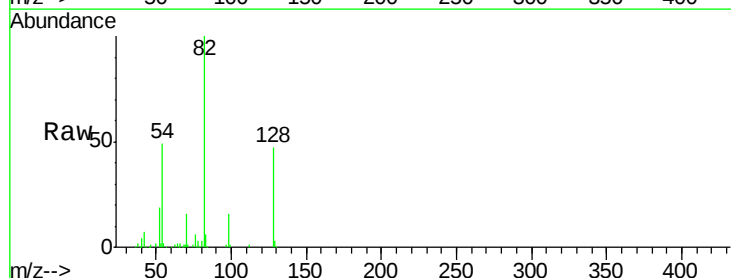
Ion Ratio Lower Upper

70 100

42 46.1 49.1 73.7#

101 0.0 8.5 12.7#

130 1.8 13.4 20.0#

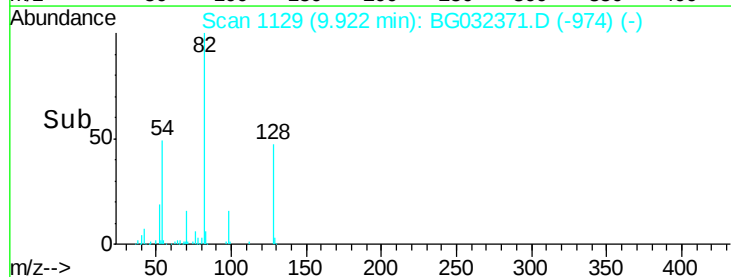
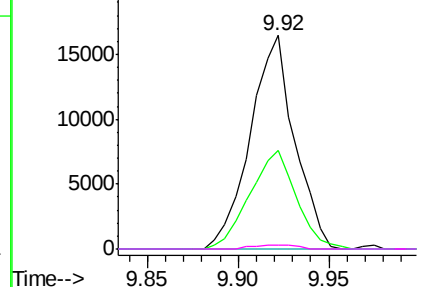


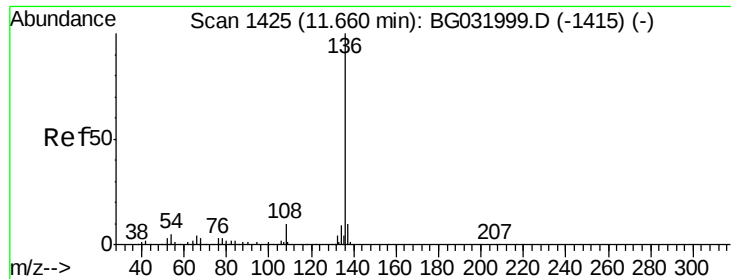
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

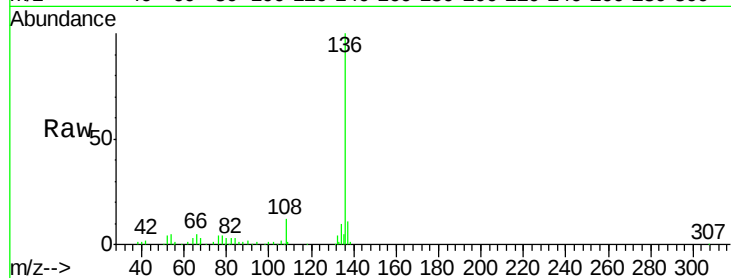




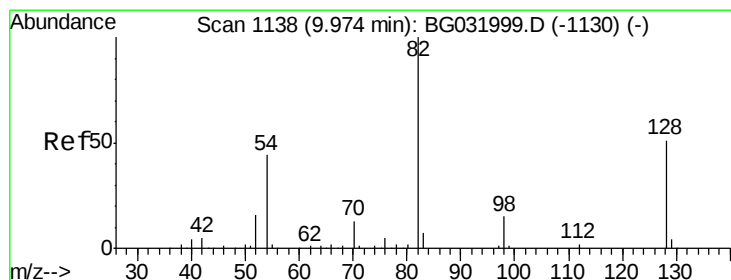
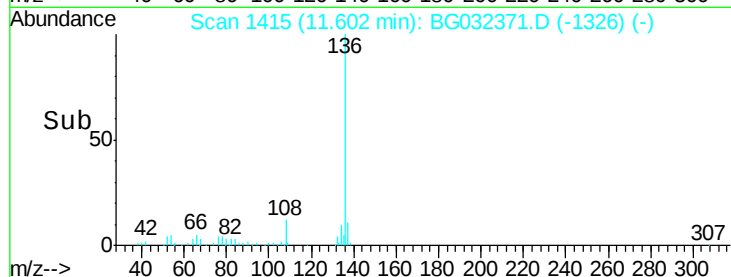
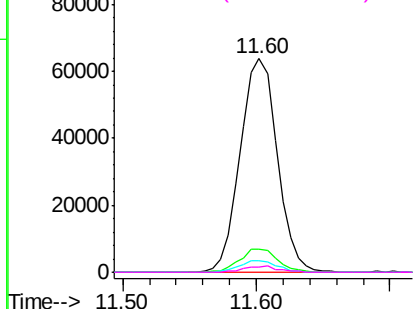
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BG032371.D
Acq: 28 Jan 2018 1:14

Instrument :
BNA_G
ClientSampled :

Tot Ion:	136	Resp:	122613
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	5.5	10.3	15.5#
68	2.6	4.5	6.7#

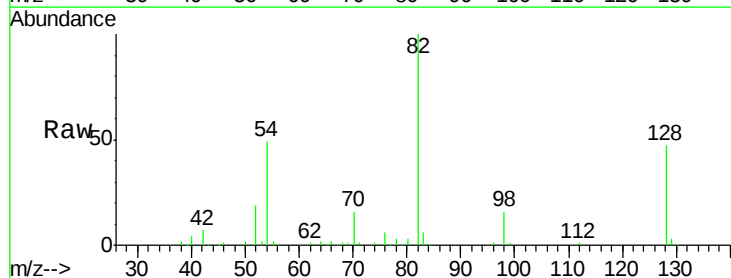


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

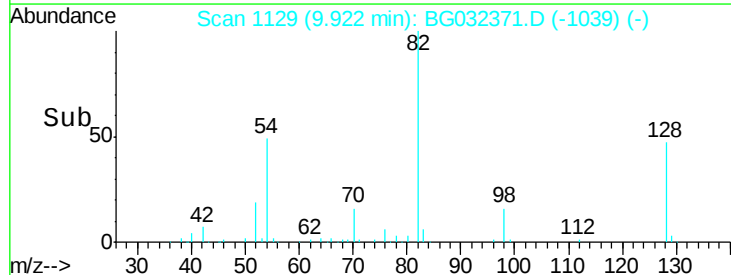
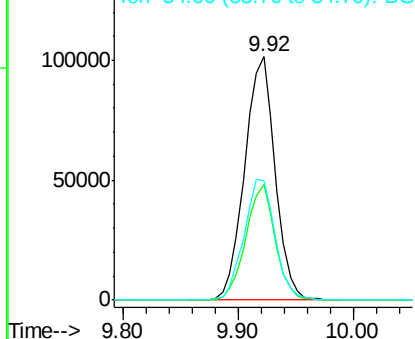


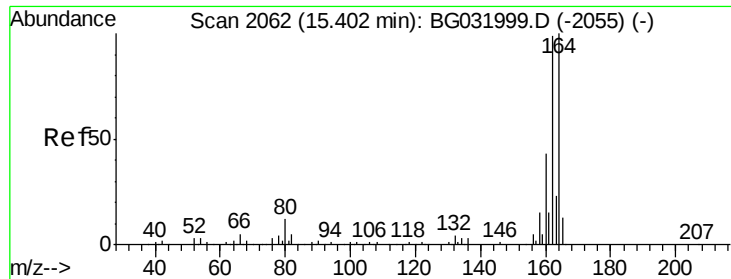
#23
Nitrobenzene-d5
Concen: 102.784 ng
RT: 9.92 min Scan# 1129
Delta R.T. 0.00 min
Lab File: BG032371.D
Acq: 28 Jan 2018 1:14

Tgt Ion:	82	Resp:	186280
Ion	Ratio	Lower	Upper
82	100		
128	47.3	29.7	44.5#
54	49.1	43.1	64.7



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG032371.D

Acq: 28 Jan 2018 1:14

Instrument :

BNA_G

ClientSampleId :

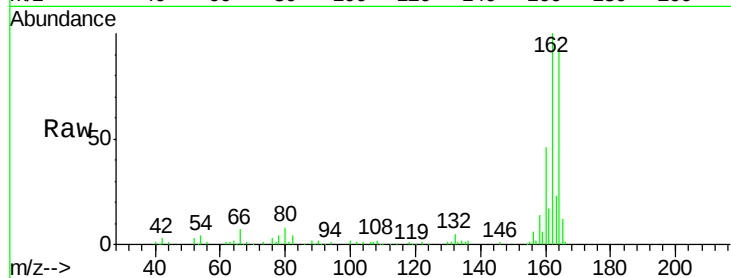
Tot Ion:164 Resp: 82943

Ion Ratio Lower Upper

164 100

162 107.6 78.8 118.2

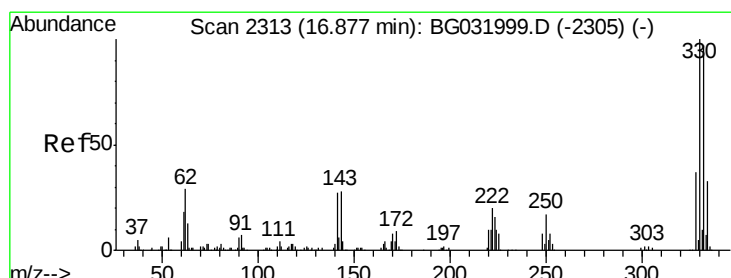
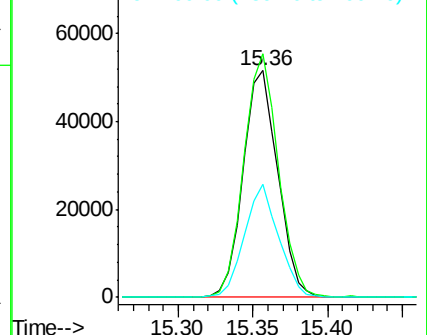
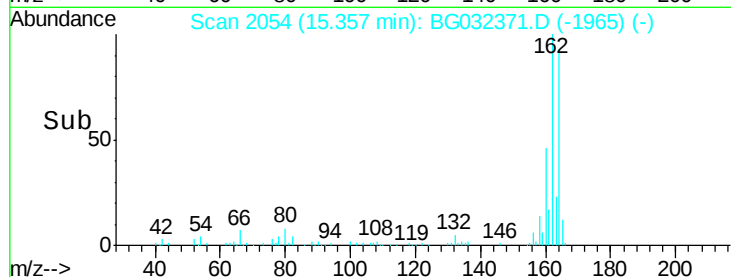
160 49.8 35.4 53.0



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: 162.411 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.01 min

Lab File: BG032371.D

Acq: 28 Jan 2018 1:14

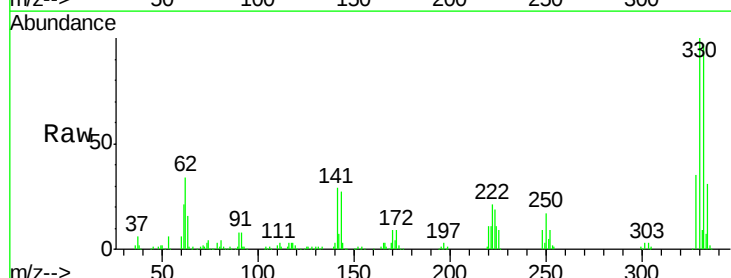
Tgt Ion:330 Resp: 222911

Ion Ratio Lower Upper

330 100

332 97.5 77.0 115.6

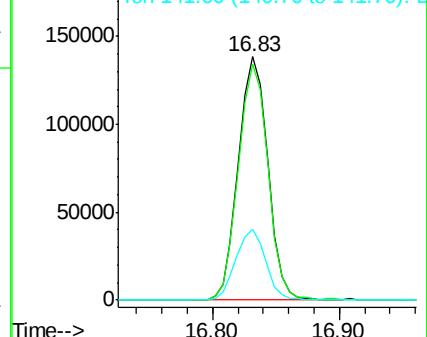
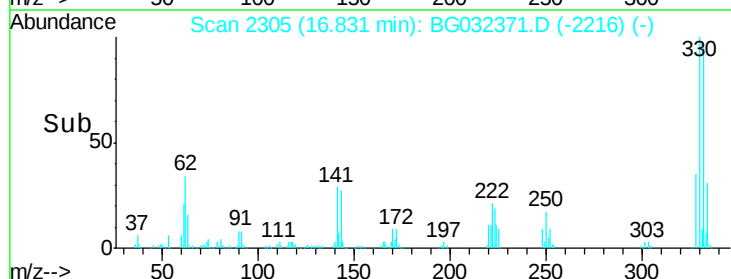
141 29.5 25.2 37.8

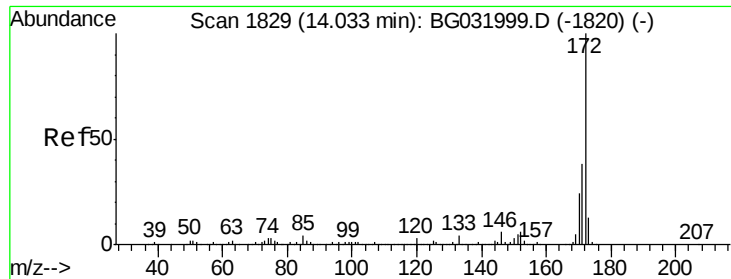


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

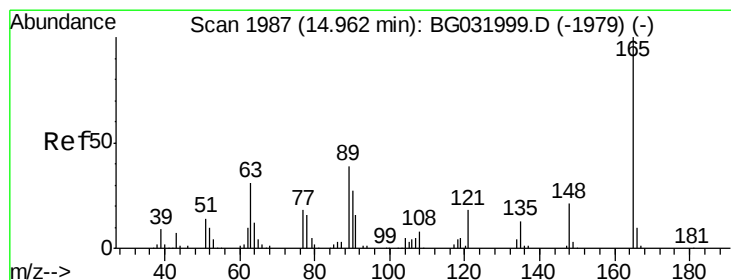
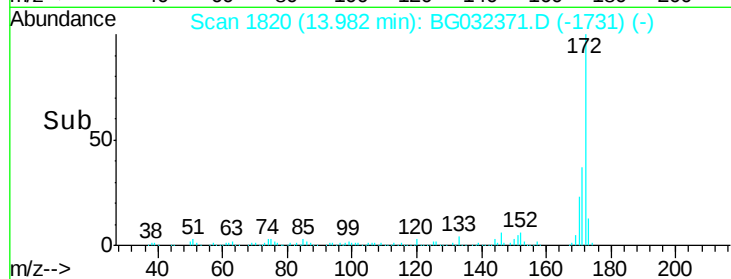
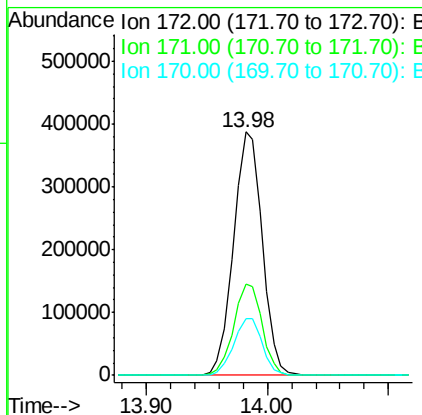
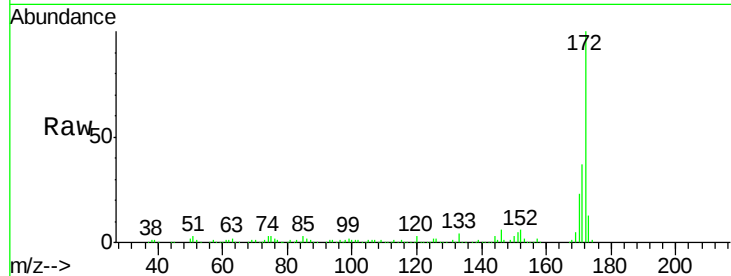




#44
 2-Fluorobiphenyl
 Concen: 96.161 ng
 RT: 13.98 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BG032371.D
 Acq: 28 Jan 2018 1:14

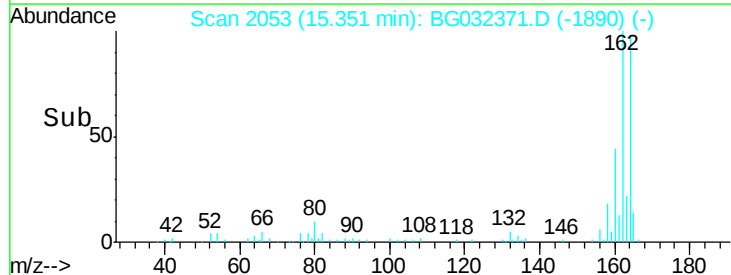
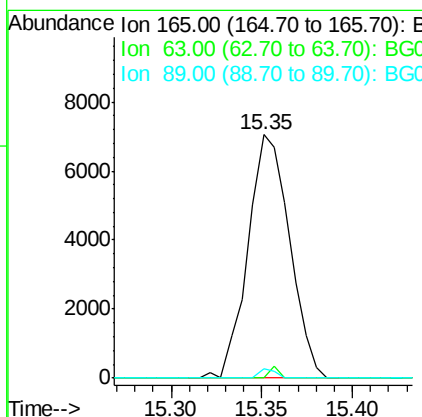
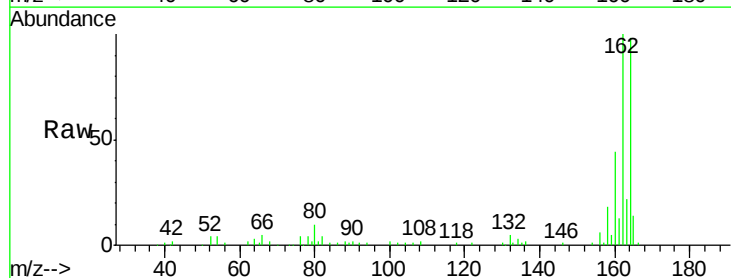
Instrument :
 BNA_G
 ClientSampled :

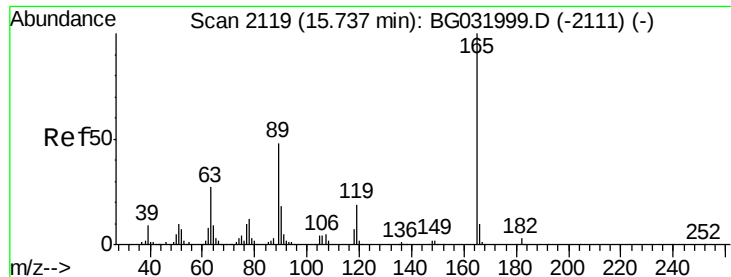
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.0	45.0
170	23.1	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.442 ng
 RT: 15.35 min Scan# 2053
 Delta R.T. 0.43 min
 Lab File: BG032371.D
 Acq: 28 Jan 2018 1:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	3.9	49.2	73.8#

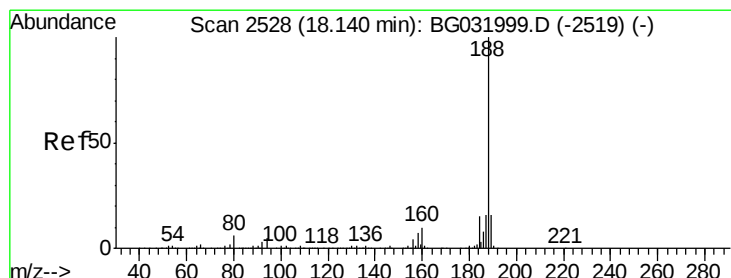
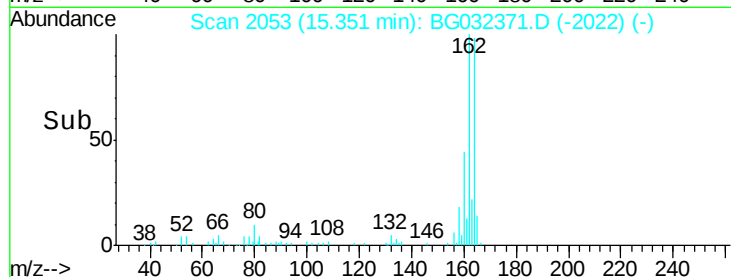
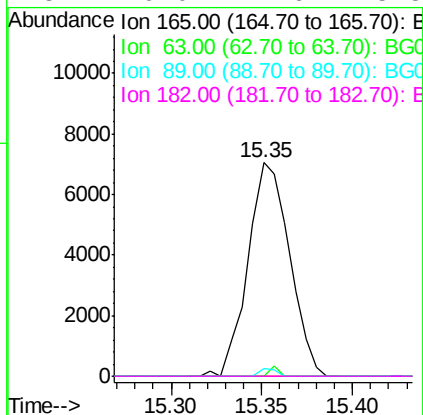
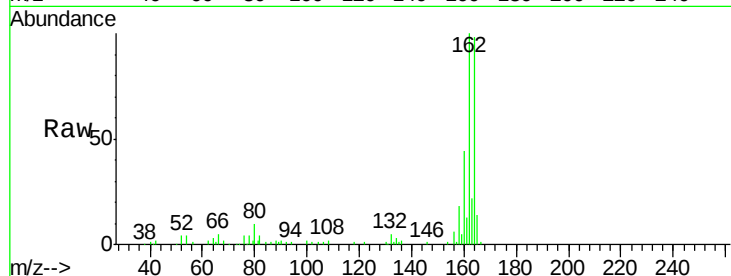




#56
2,4-Dinitrotoluene
Concen: 5.527 ng
RT: 15.35 min Scan# 2053
Delta R.T. -0.35 min
Lab File: BG032371.D
Acq: 28 Jan 2018 1:14

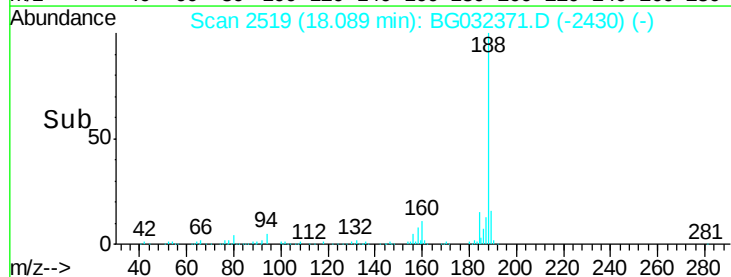
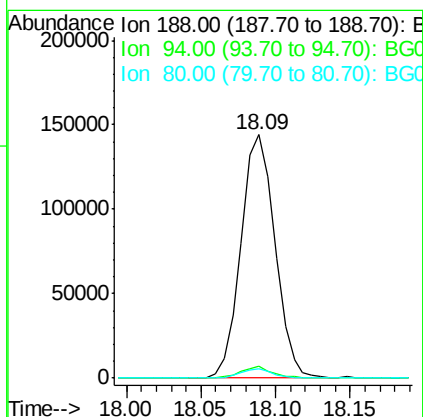
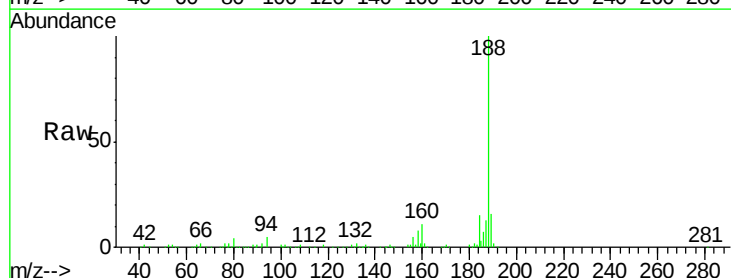
Instrument :
BNA_G
ClientSampled :

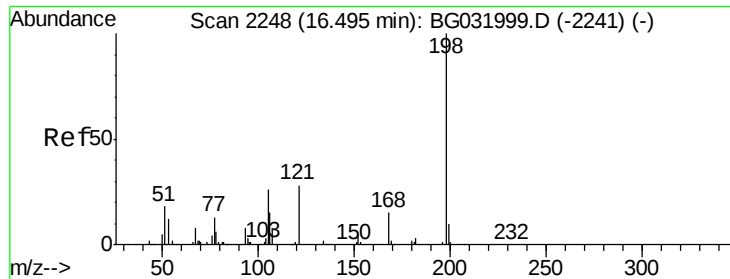
Tot Ion:165 Resp: 11211
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 3.9 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.09 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BG032371.D
Acq: 28 Jan 2018 1:14

Tgt Ion:188 Resp: 227619
Ion Ratio Lower Upper
188 100
94 4.7 6.9 10.3#
80 3.9 7.7 11.5#

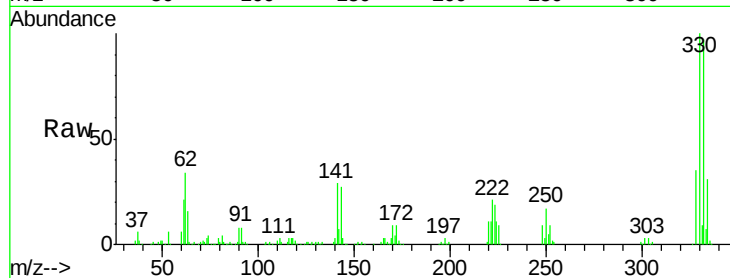




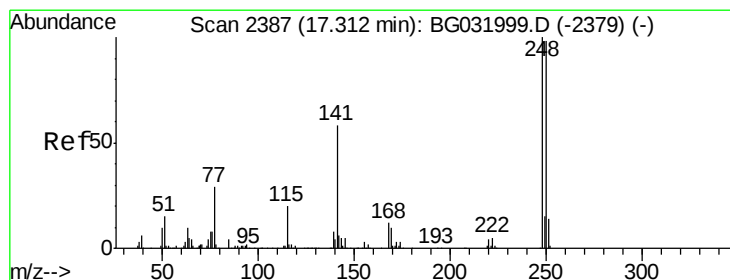
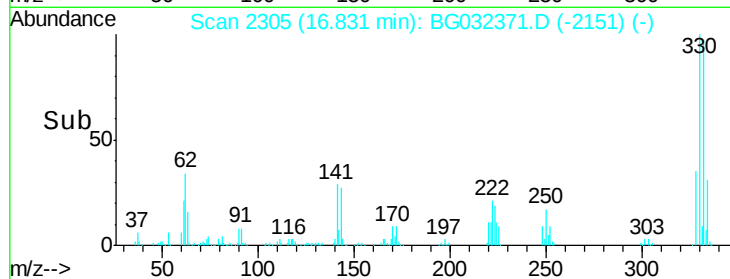
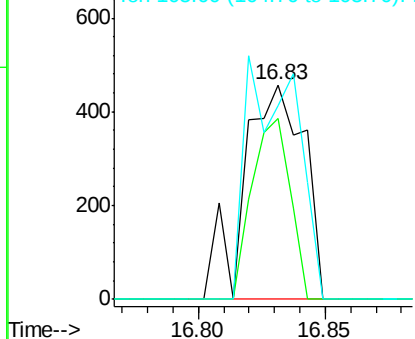
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.350 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. 0.38 min
 Lab File: BG032371.D
 Acq: 28 Jan 2018 1:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 755
 Ion Ratio Lower Upper
 198 100
 51 84.2 30.6 70.6#
 105 90.2 23.8 63.8#

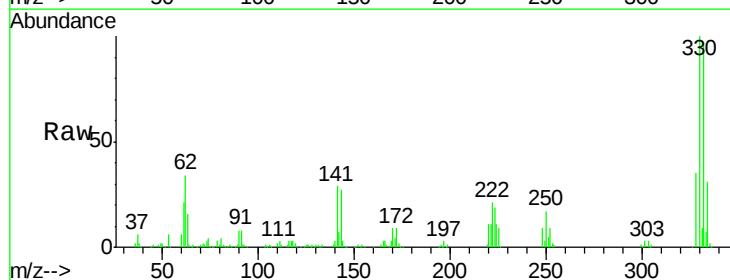


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGO
 Ion 105.00 (104.70 to 105.70): E

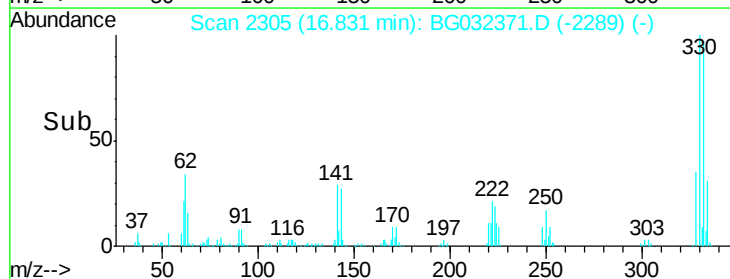
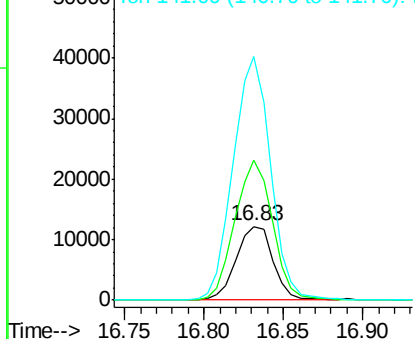


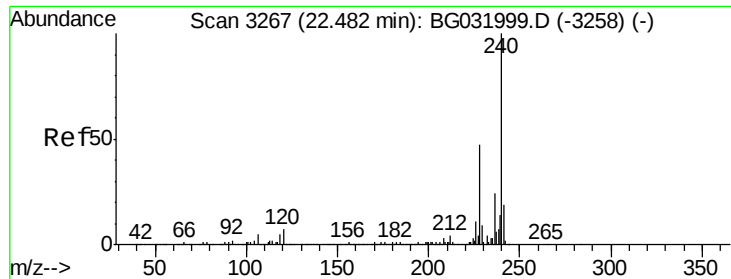
#66
 4-Bromophenyl-phenylether
 Concen: 6.040 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. -0.43 min
 Lab File: BG032371.D
 Acq: 28 Jan 2018 1:14

Tgt Ion:248 Resp: 19562
 Ion Ratio Lower Upper
 248 100
 250 190.9 77.1 115.7#
 141 330.8 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: 22.41 min Scan# 3255

Delta R.T. -0.01 min

Lab File: BG032371.D

Acq: 28 Jan 2018 1:14

Instrument :

BNA_G

ClientSampleId :

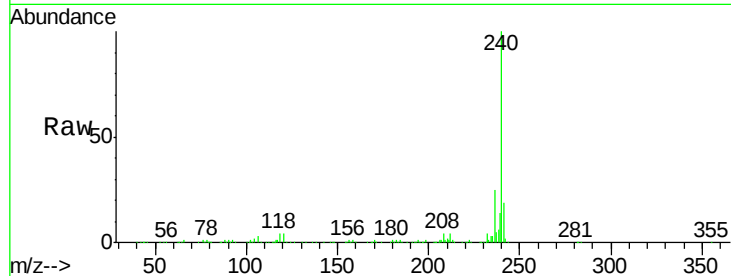
Tot Ion:240 Resp: 318927

Ion Ratio Lower Upper

240 100

120 4.2 6.8 10.2#

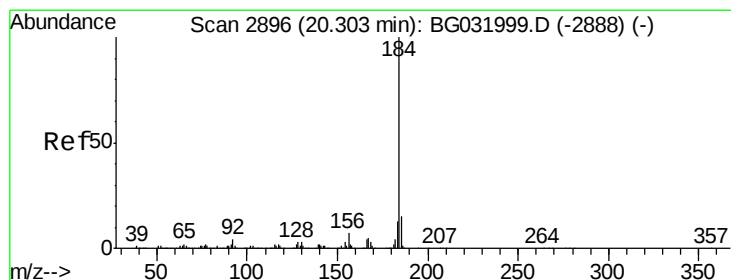
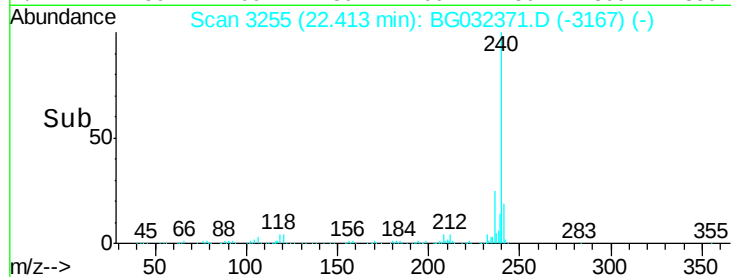
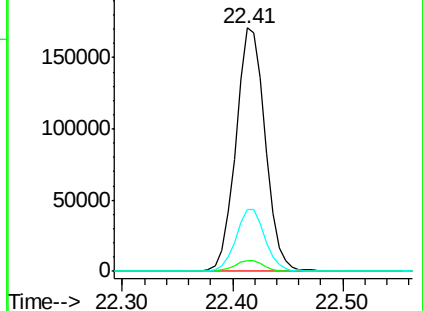
236 25.3 20.9 31.3



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: 2.554 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.36 min

Lab File: BG032371.D

Acq: 28 Jan 2018 1:14

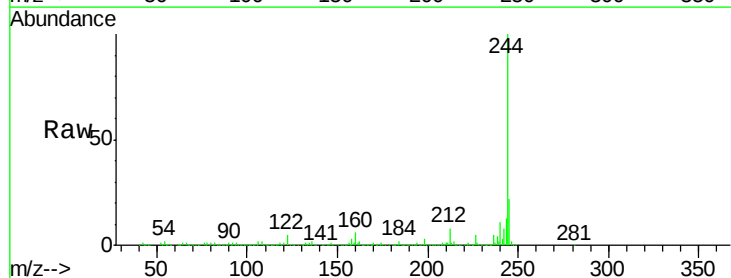
Tgt Ion:184 Resp: 20371

Ion Ratio Lower Upper

184 100

185 15.0 11.1 16.7

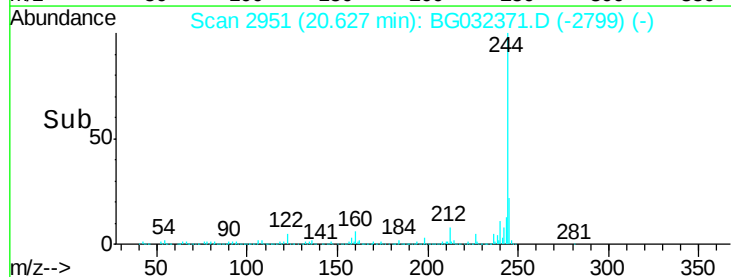
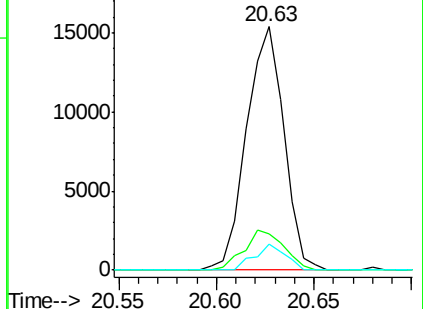
183 10.9 10.6 16.0

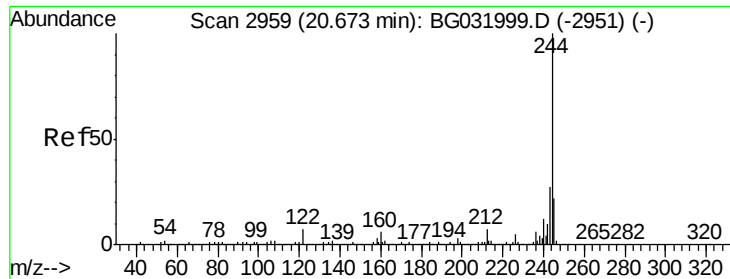


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 98.315 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.01 min

Lab File: BG032371.D

Acq: 28 Jan 2018 1:14

Instrument :

BNA_G

ClientSampleId :

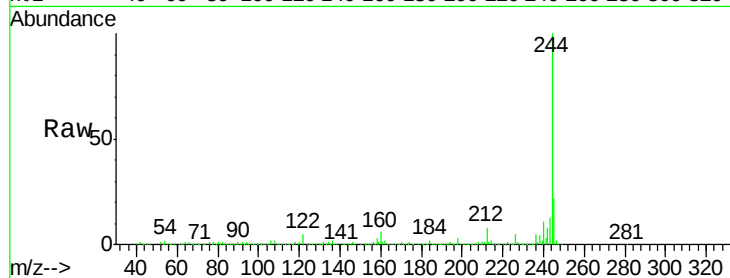
Tot Ion:244 Resp: 1420056

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

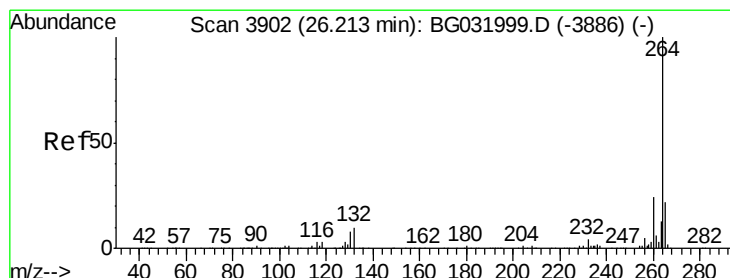
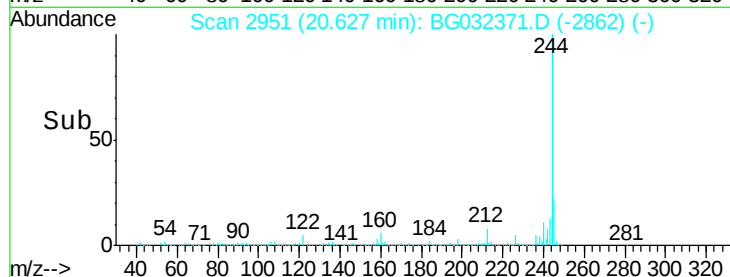
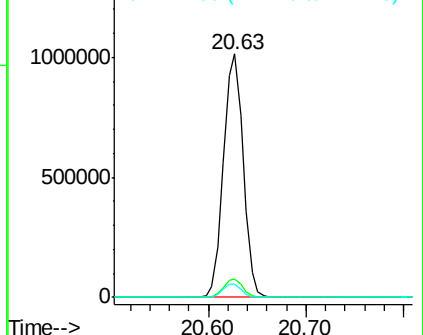
122 5.3 7.0 10.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 26.09 min Scan# 3881

Delta R.T. -0.02 min

Lab File: BG032371.D

Acq: 28 Jan 2018 1:14

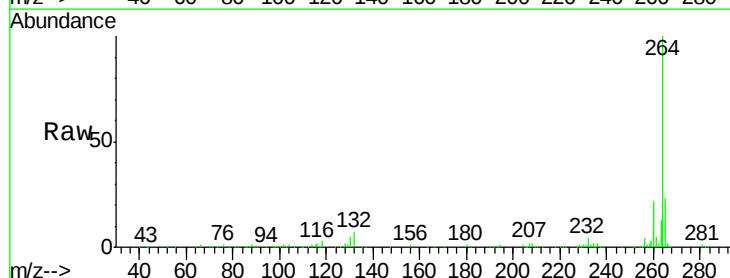
Tgt Ion:264 Resp: 335435

Ion Ratio Lower Upper

264 100

260 22.4 17.4 26.0

265 23.3 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

