

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012718\
 Data File : BG032368.D
 Acq On : 27 Jan 2018 23:21
 Operator : SJ/JU
 Sample : J1009-12
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 28 00:25:28 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	34928	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	133802	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	85059	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	243582	20.00	ng	0.00
75) Chrysene-d12	22.42	240	293045	20.00	ng	0.00
86) Perylene-d12	26.10	264	203081	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	239984	125.66	ng	0.00
7) Phenol-d6	7.84	99	264838	110.11	ng	0.00
23) Nitrobenzene-d5	9.92	82	203610	102.95	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	238824	169.68	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	701299	102.23	ng	0.00
78) Terphenyl-d14	20.63	244	1476520	111.25	ng	0.00

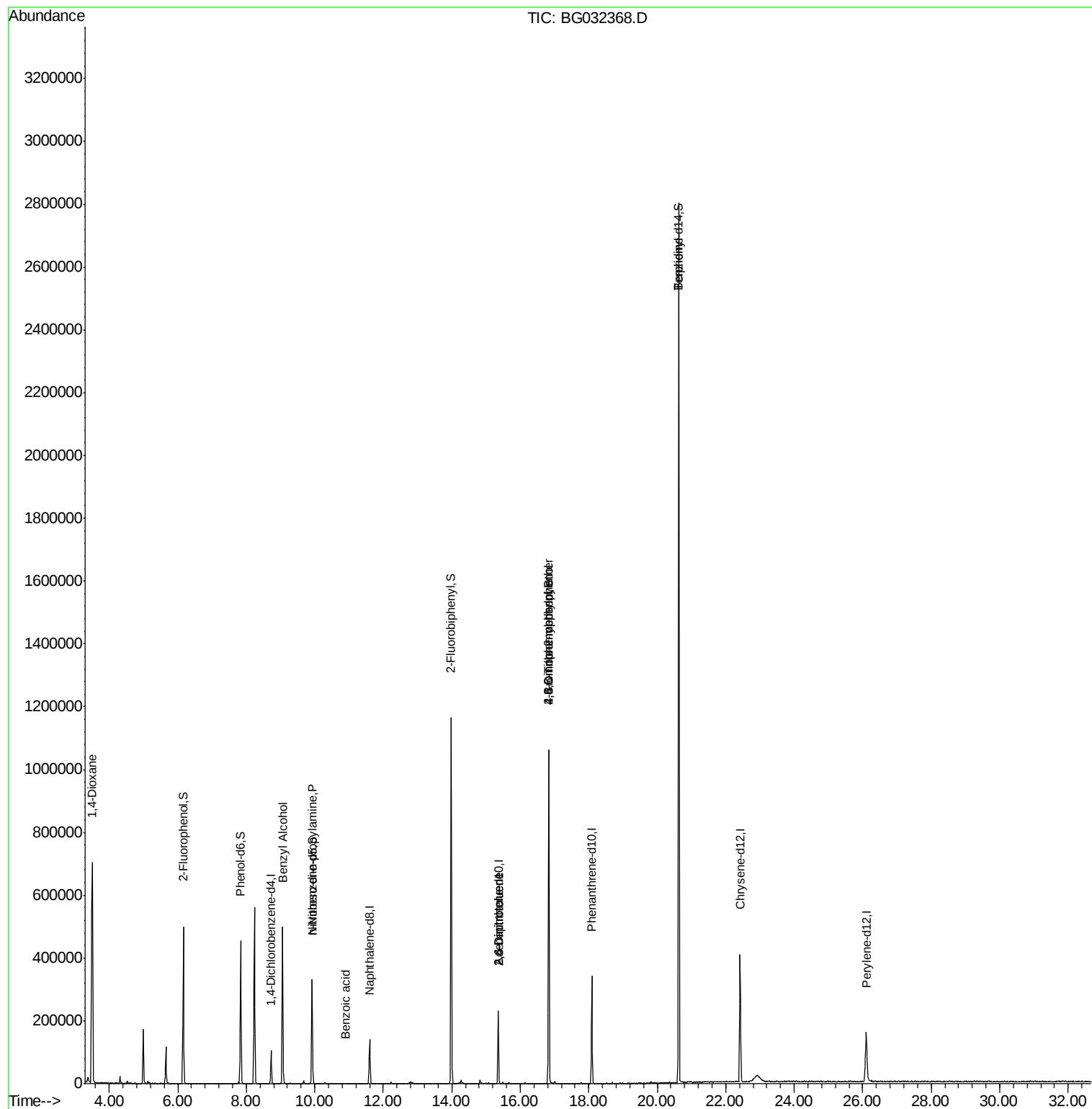
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.51	88	9589	13.070	ng	# 1
15) Benzyl Alcohol	9.06	79	3856	2.207	ng	# 53
19) n-Nitroso-di-n-propylamine	9.92	70	29911	20.043	ng	# 73
32) Benzoic acid	10.90	122	53	5.288	ng	# 1
50) 2,6-Dinitrotoluene	15.36	165	11067	7.163	ng	# 20
56) 2,4-Dinitrotoluene	15.36	165	11067	5.321	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.83	198	703	5.289	ng	# 1
66) 4-Bromophenyl-phenylether	16.83	248	20002	5.771	ng	# 1
76) Benzidine	20.63	184	21686	2.959	ng	# 93

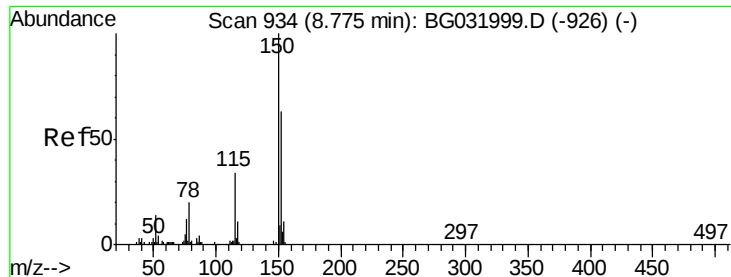
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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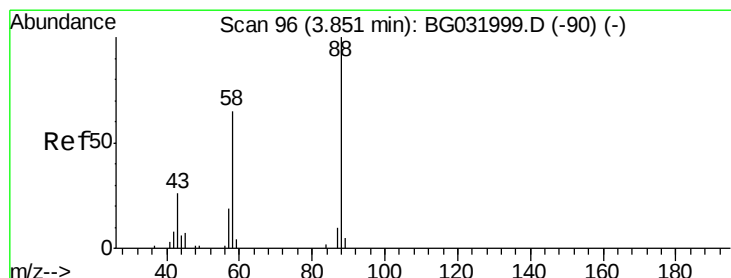
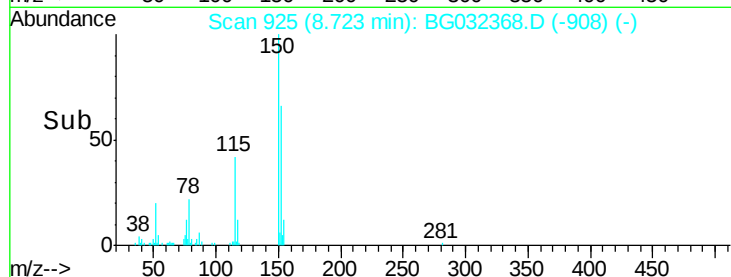
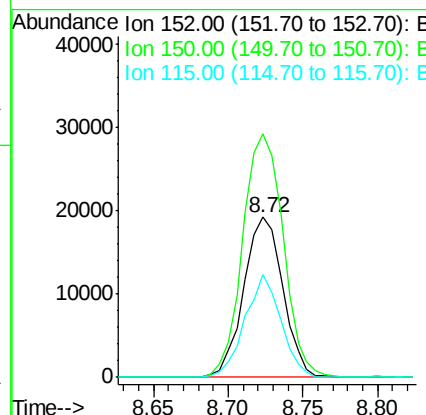
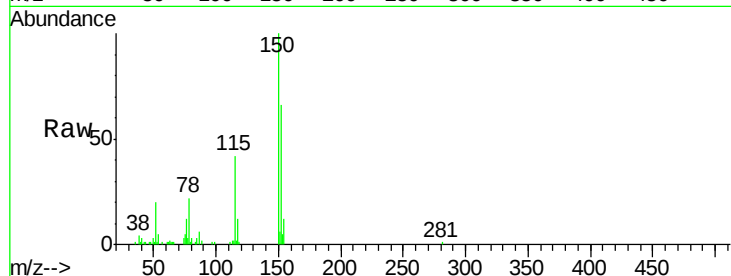


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.72 min Scan# 925
Delta R.T. 0.00 min
Lab File: BG032368.D
Acq: 27 Jan 2018 23:21

Instrument :
BNA_G
ClientSampleId :

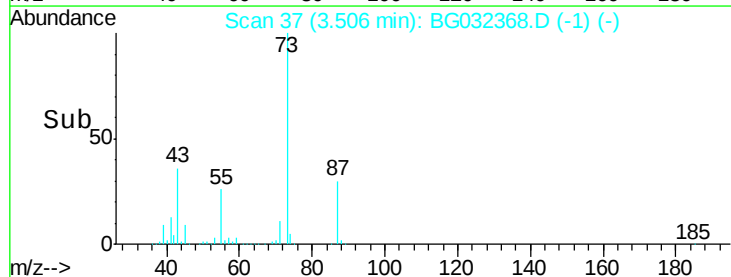
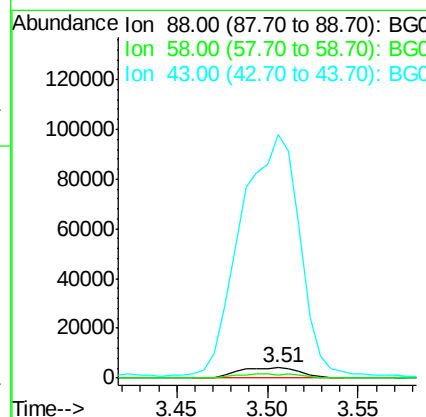
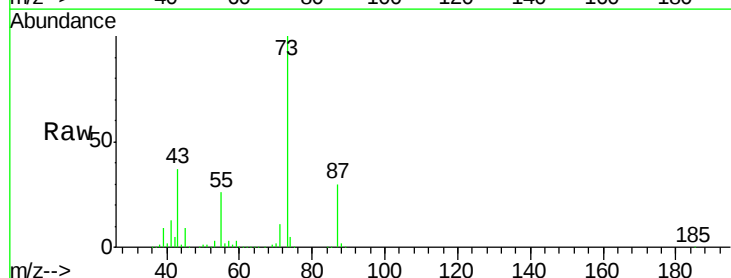
Tot Ion:152 Resp: 34928
Ion Ratio Lower Upper
152 100
150 152.3 126.6 189.8
115 64.5 53.0 79.4

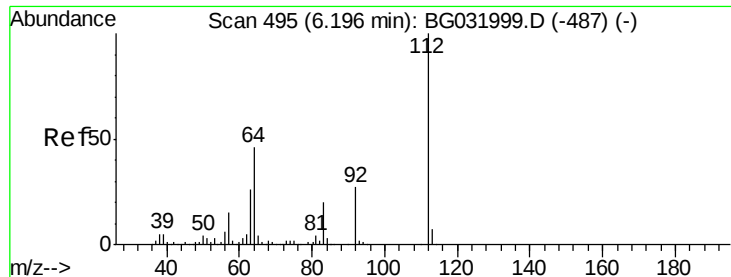


#2

1,4-Dioxane
Concen: 13.070 ng
RT: 3.51 min Scan# 37
Delta R.T. -0.32 min
Lab File: BG032368.D
Acq: 27 Jan 2018 23:21

Tgt Ion: 88 Resp: 9589
Ion Ratio Lower Upper
88 100
58 44.0 79.6 119.4#
43 2298.4 27.4 41.0#





#5

2-Fluorophenol

Concen: 125.663 ng

RT: 6.16 min Scan# 489

Delta R.T. 0.01 min

Lab File: BG032368.D

Acq: 27 Jan 2018 23:21

Instrument :

BNA_G

ClientSampleId :

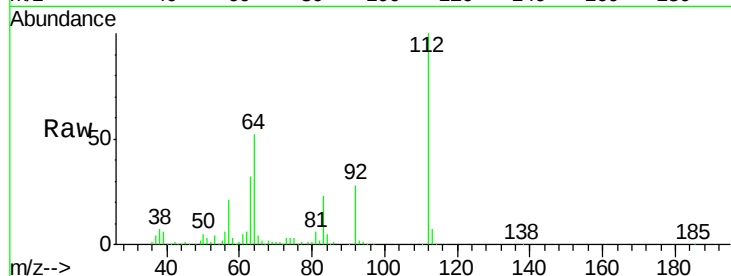
Tot Ion:112 Resp: 239984

Ion Ratio Lower Upper

112 100

64 51.6 56.3 84.5#

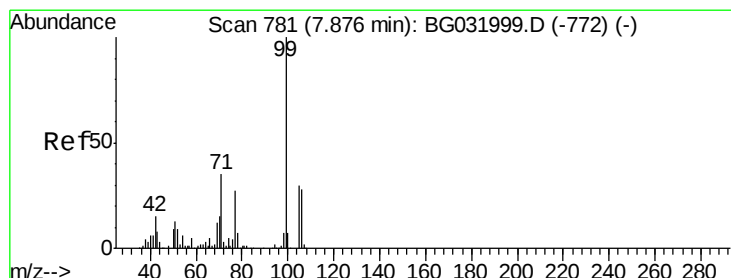
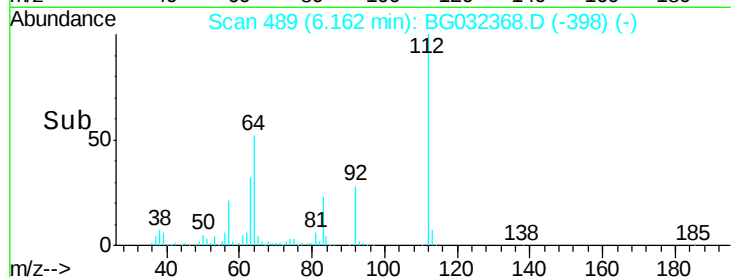
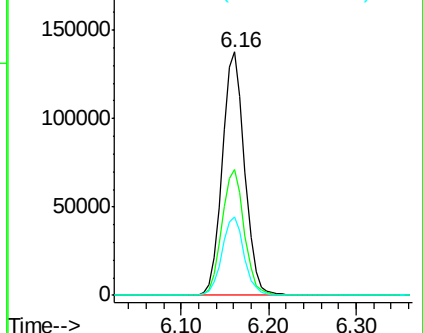
63 32.2 30.1 45.1



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: 110.110 ng

RT: 7.84 min Scan# 774

Delta R.T. 0.00 min

Lab File: BG032368.D

Acq: 27 Jan 2018 23:21

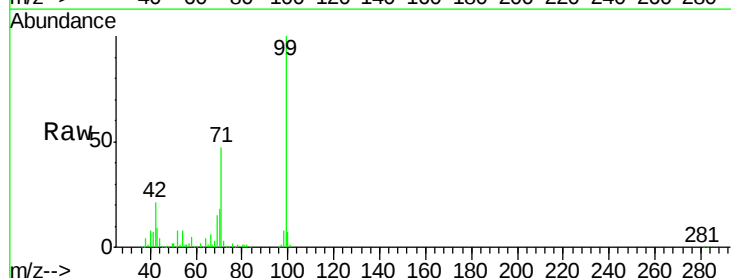
Tgt Ion: 99 Resp: 264838

Ion Ratio Lower Upper

99 100

42 20.7 14.1 21.1

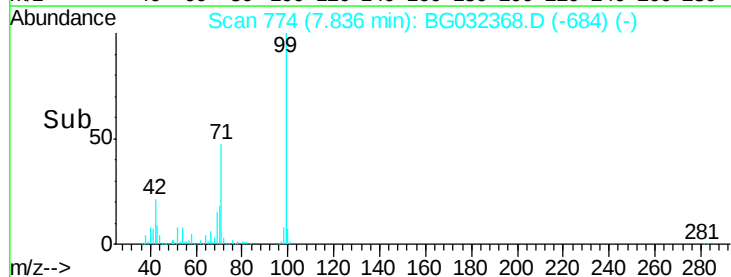
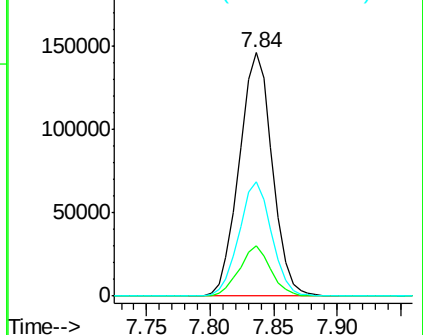
71 46.8 26.1 39.1#

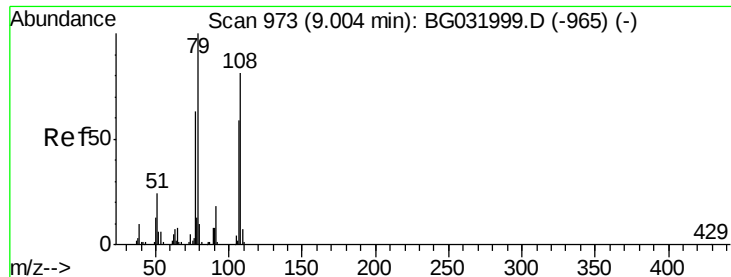


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.207 ng

RT: 9.06 min Scan# 982

Delta R.T. 0.09 min

Lab File: BG032368.D

Acq: 27 Jan 2018 23:21

Instrument :

BNA_G

ClientSampleId :

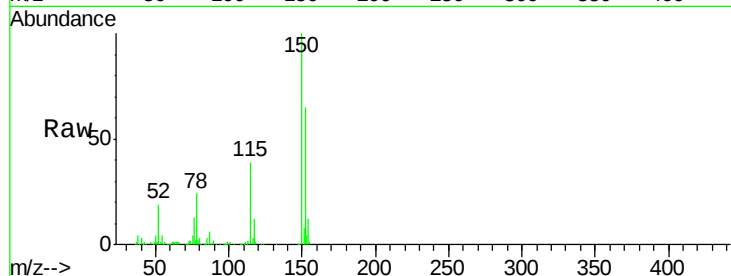
Tot Ion: 79 Resp: 3856

Ion Ratio Lower Upper

79 100

108 44.6 57.2 85.8#

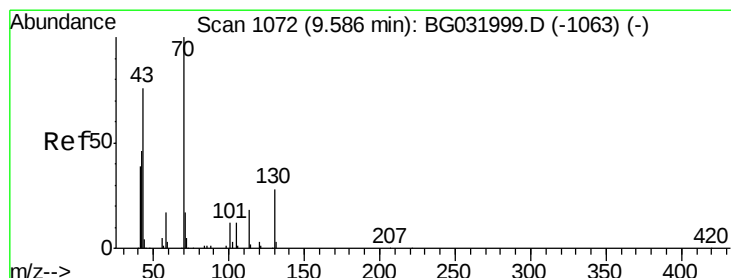
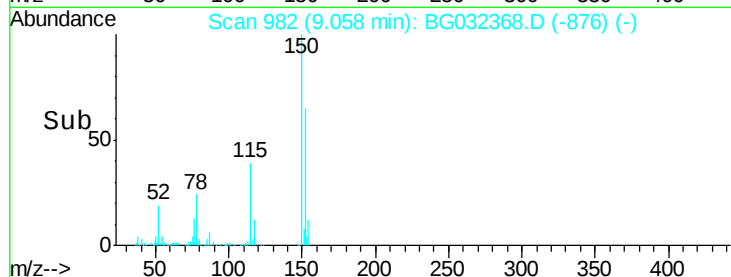
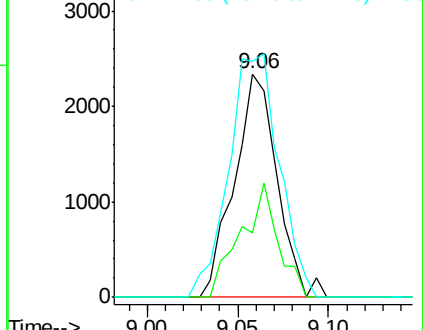
77 105.4 46.1 69.1#



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: 20.043 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.38 min

Lab File: BG032368.D

Acq: 27 Jan 2018 23:21

Tgt Ion: 70 Resp: 29911

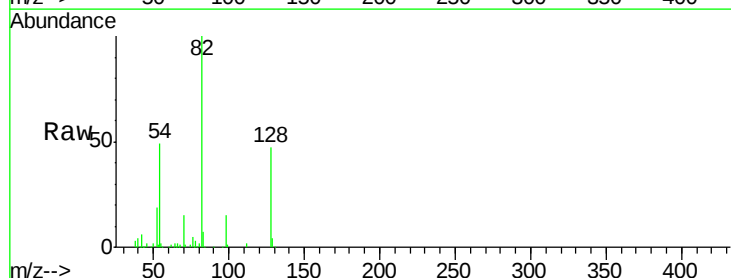
Ion Ratio Lower Upper

70 100

42 42.0 49.1 73.7#

101 0.0 8.5 12.7#

130 2.5 13.4 20.0#

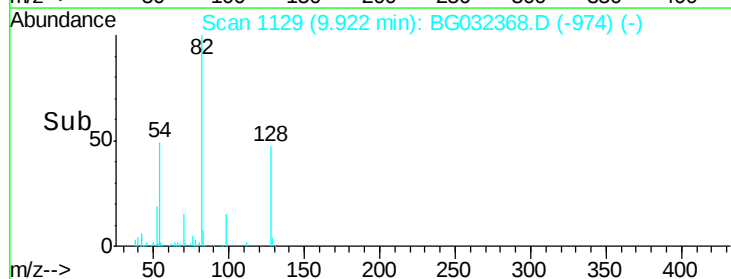
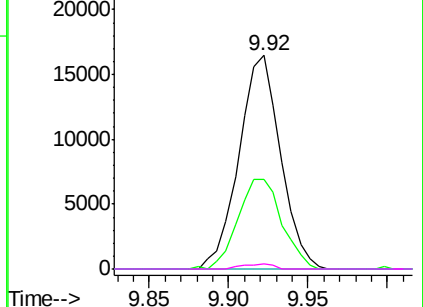


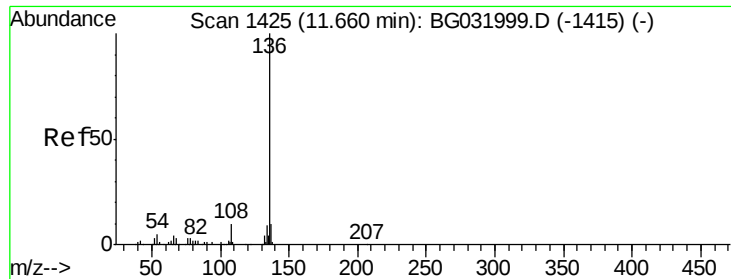
Abundance Ion 70.00 (69.70 to 70.70): BGC

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: BG032368.D

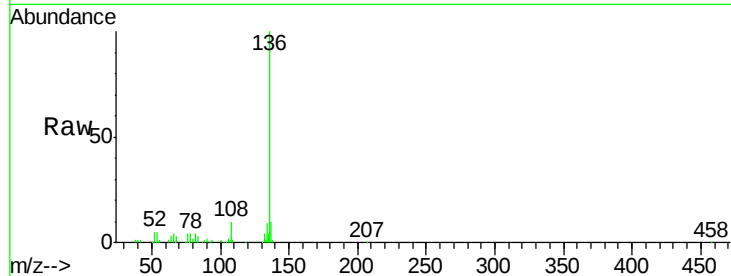
Acq: 27 Jan 2018 23:21

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	136	Resp:	133802
Ion	Ratio	Lower	Upper
136	100		
137	9.7	9.2	13.8
54	4.7	10.3	15.5#
68	2.7	4.5	6.7#

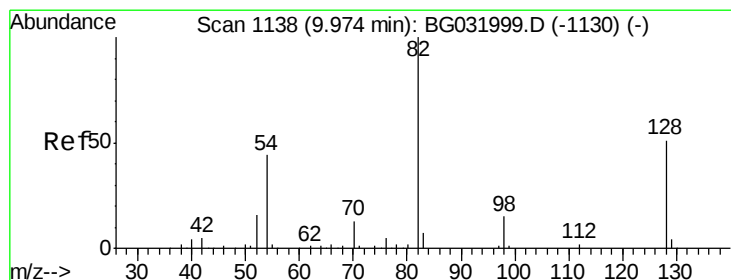
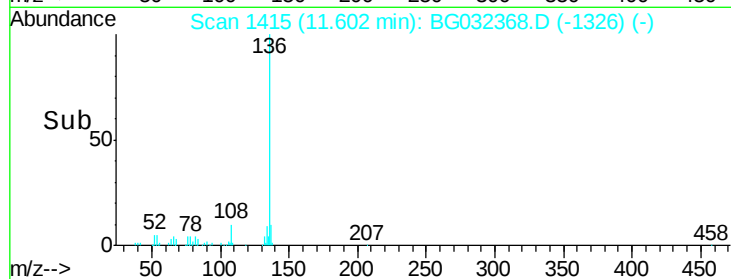
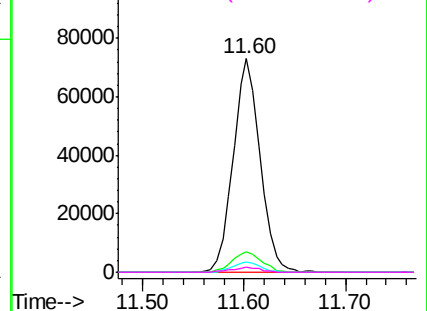


Abundance Ion 136.00 (135.70 to 136.70): BGC

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: 102.951 ng

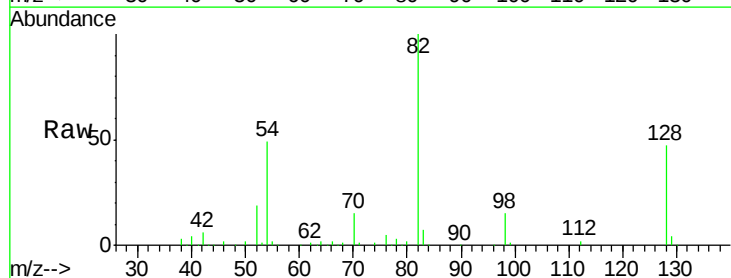
RT: 9.92 min Scan# 1129

Delta R.T. 0.00 min

Lab File: BG032368.D

Acq: 27 Jan 2018 23:21

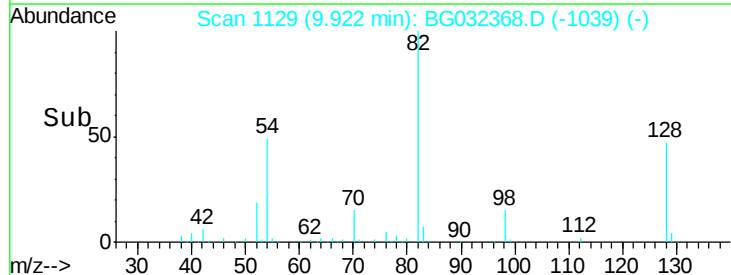
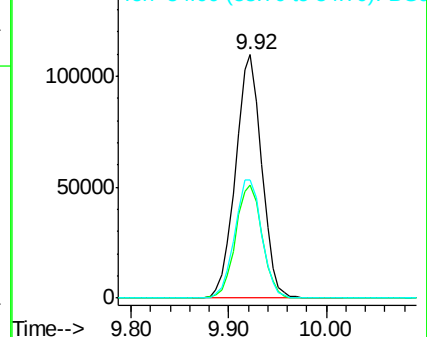
Tgt Ion:	82	Resp:	203610
Ion	Ratio	Lower	Upper
82	100		
128	46.6	29.7	44.5#
54	48.7	43.1	64.7

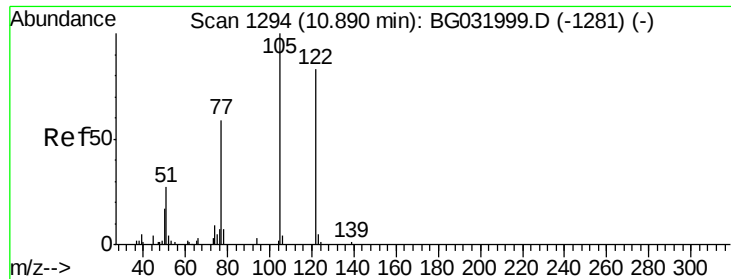


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

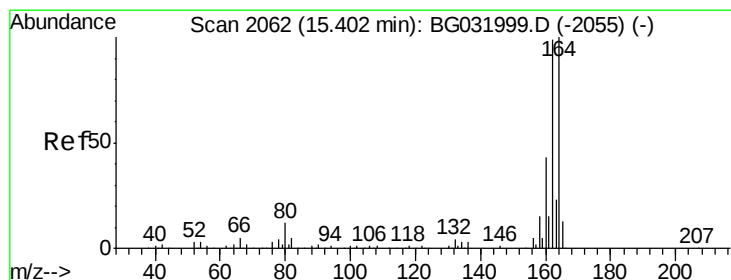
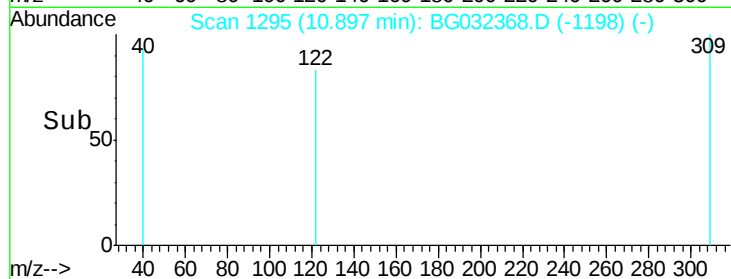
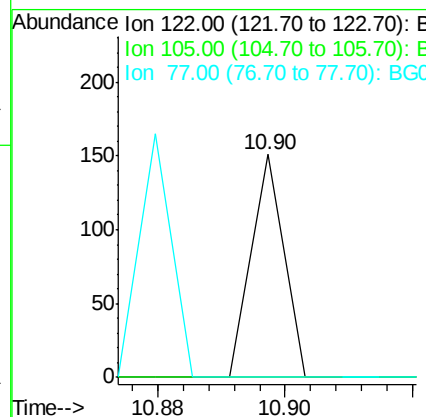
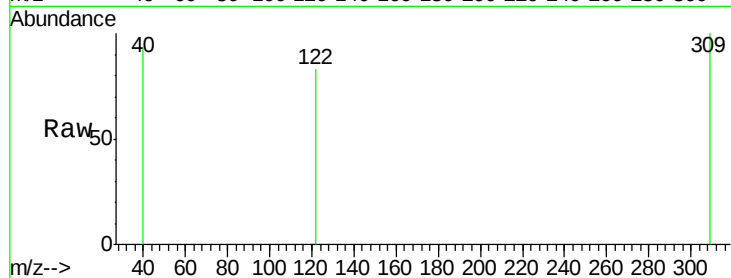




#32
Benzoic acid
Concen: 5.288 ng
RT: 10.90 min Scan# 1295
Delta R.T. 0.04 min
Lab File: BG032368.D
Acq: 27 Jan 2018 23:21

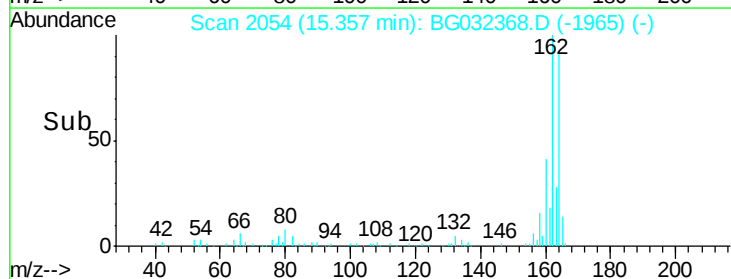
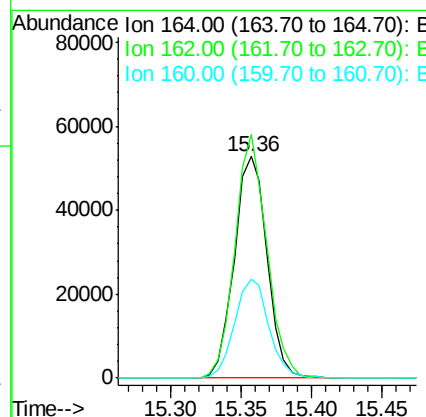
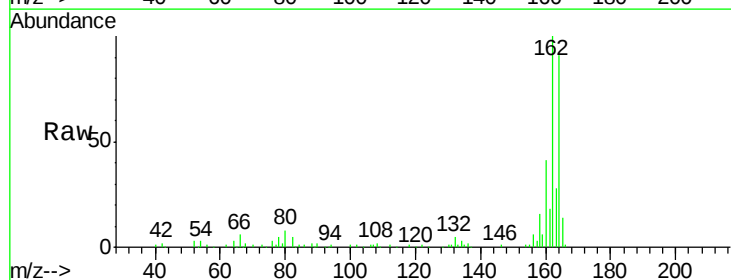
Instrument :
BNA_G
ClientSampleId :

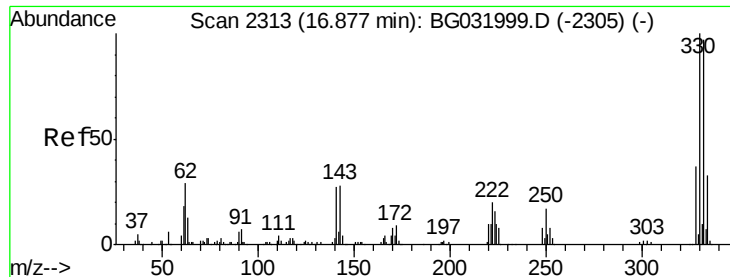
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.36 min Scan# 2054
Delta R.T. -0.01 min
Lab File: BG032368.D
Acq: 27 Jan 2018 23:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	109.9	78.8	118.2
160	44.6	35.4	53.0

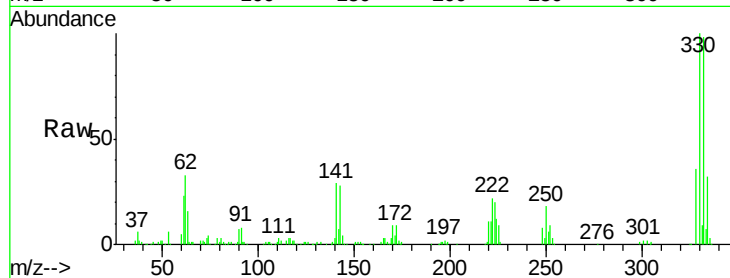




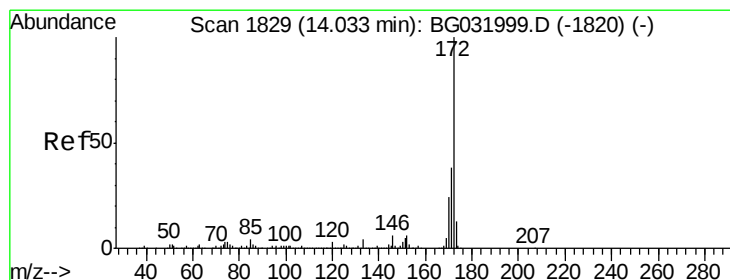
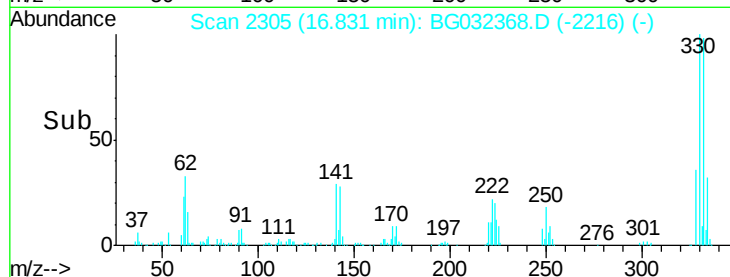
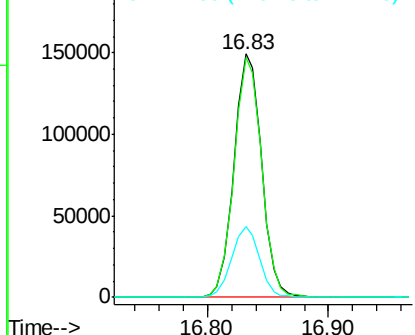
#41
 2,4,6-Tribromophenol
 Concen: 169.676 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. -0.01 min
 Lab File: BG032368.D
 Acq: 27 Jan 2018 23:21

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.3	77.0	115.6
141	29.3	25.2	37.8

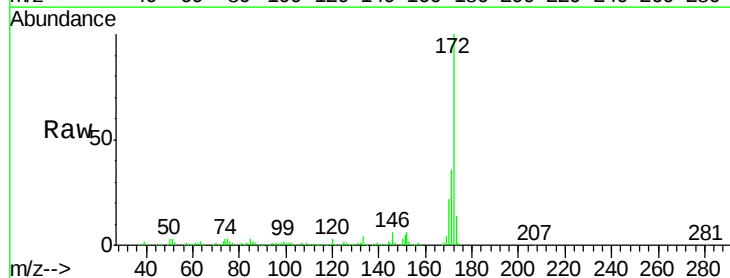


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

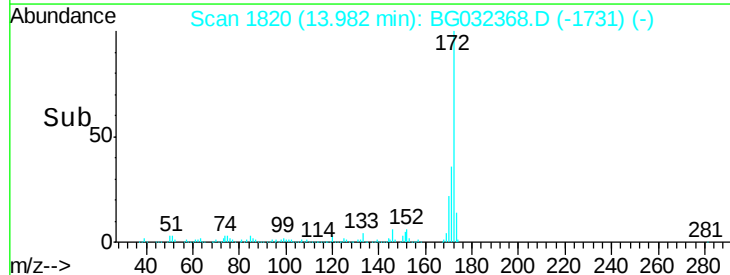
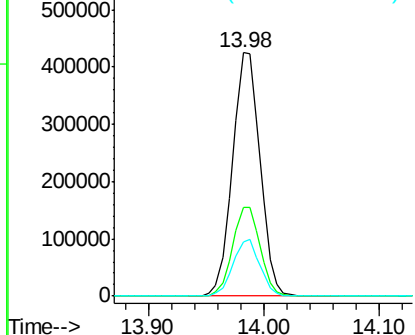


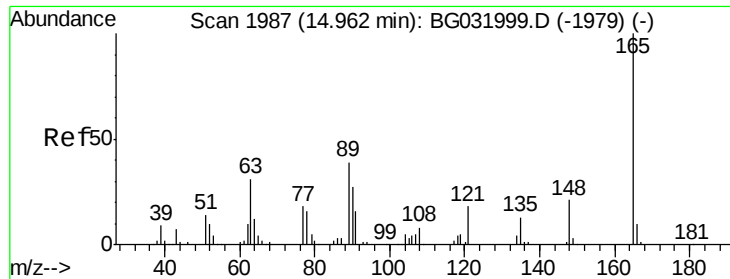
#44
 2-Fluorobiphenyl
 Concen: 102.232 ng
 RT: 13.98 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BG032368.D
 Acq: 27 Jan 2018 23:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	30.0	45.0
170	22.4	19.5	29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

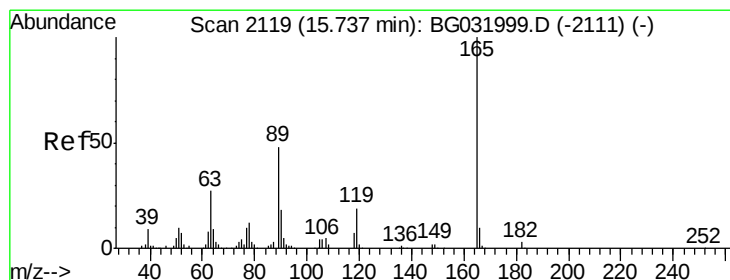
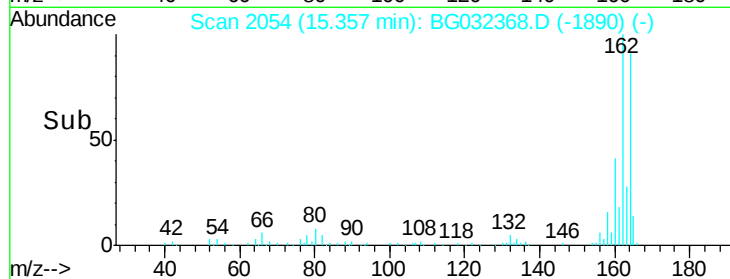
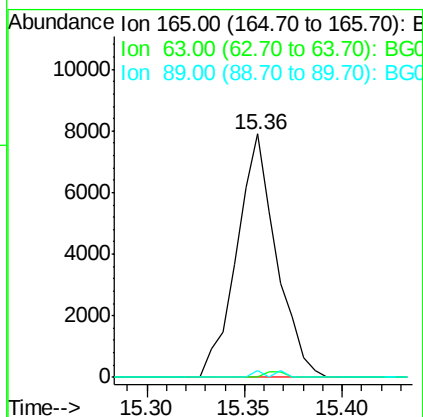
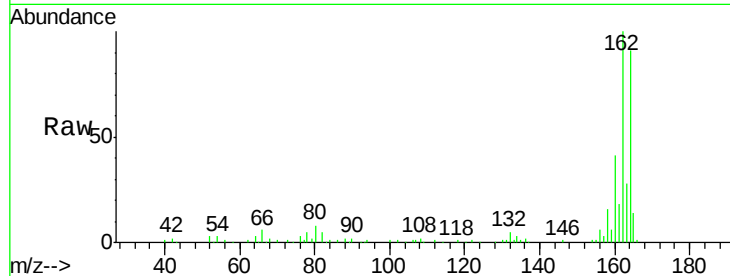




#50
 2,6-Dinitrotoluene
 Concen: 7.163 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. 0.43 min
 Lab File: BG032368.D
 Acq: 27 Jan 2018 23:21

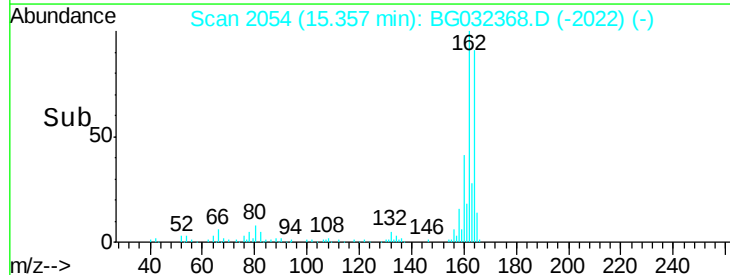
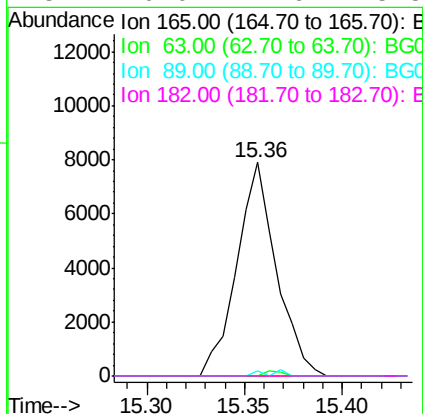
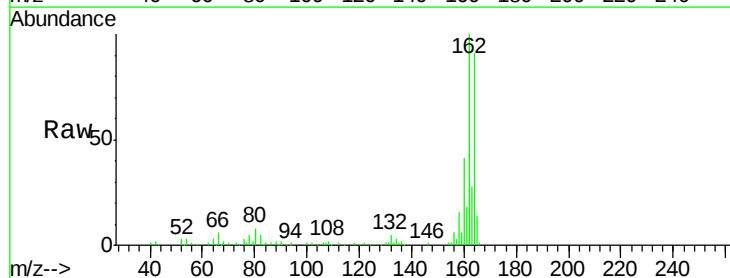
Instrument :
 BNA_G
 ClientSampleId :

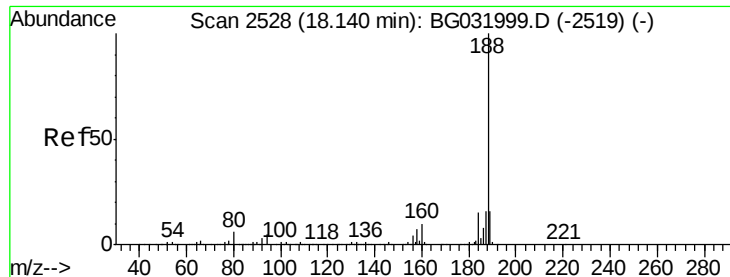
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	2.6	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.321 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.34 min
 Lab File: BG032368.D
 Acq: 27 Jan 2018 23:21

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

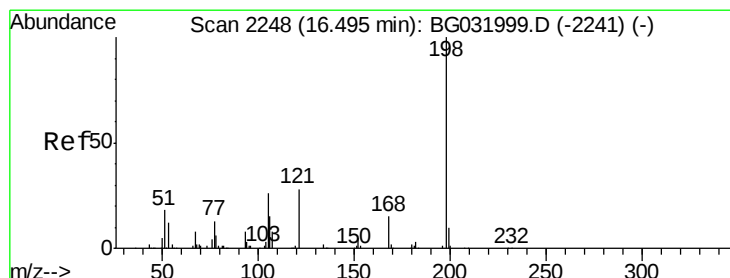
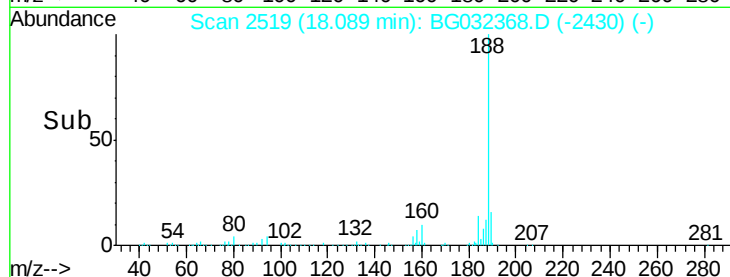
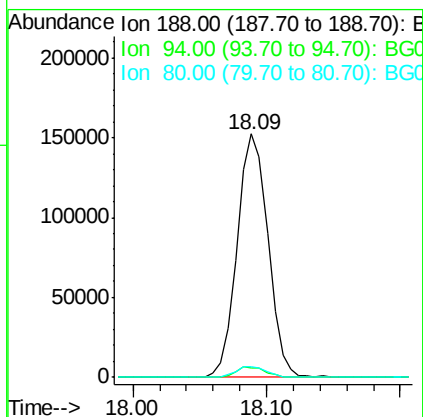
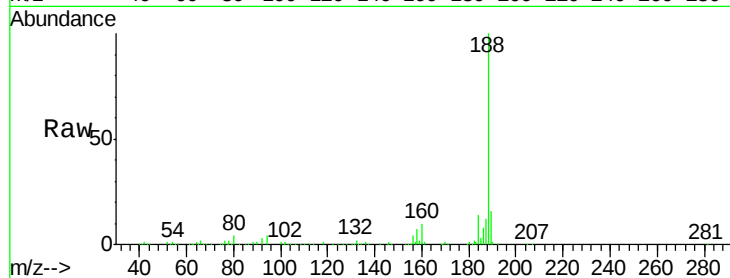




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.09 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BG032368.D
Acq: 27 Jan 2018 23:21

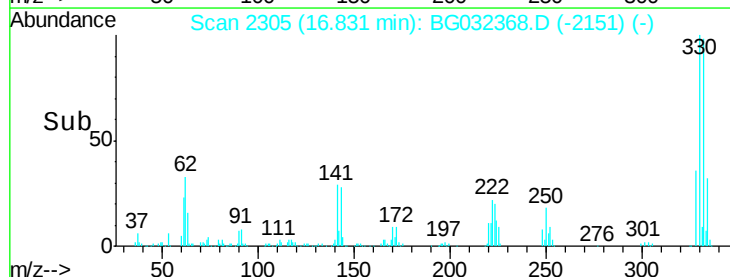
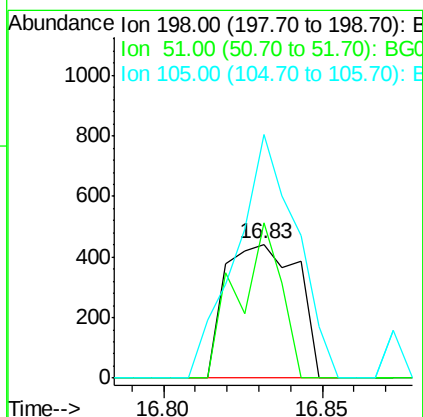
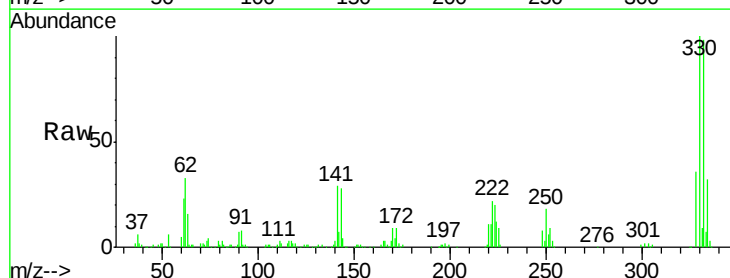
Instrument :
BNA_G
ClientSampleId :

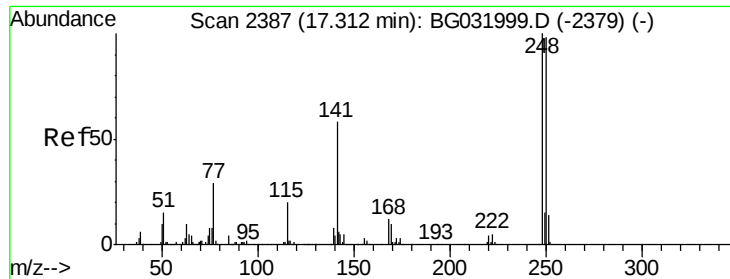
Tot Ion:188 Resp: 243582
Ion Ratio Lower Upper
188 100
94 3.7 6.9 10.3#
80 4.5 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.289 ng
RT: 16.83 min Scan# 2305
Delta R.T. 0.38 min
Lab File: BG032368.D
Acq: 27 Jan 2018 23:21

Tgt Ion:198 Resp: 703
Ion Ratio Lower Upper
198 100
51 115.8 30.6 70.6#
105 181.5 23.8 63.8#

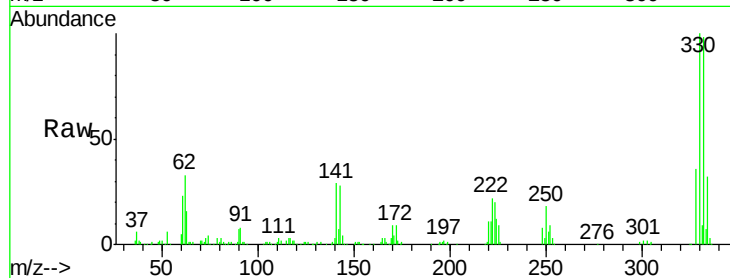




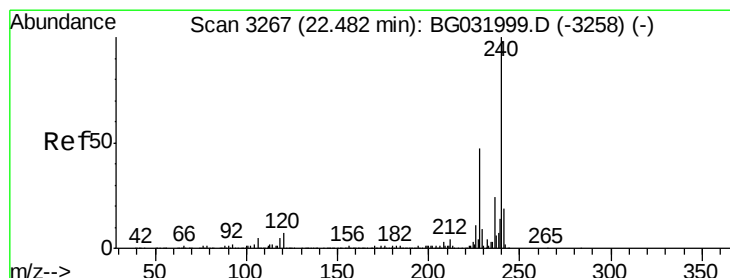
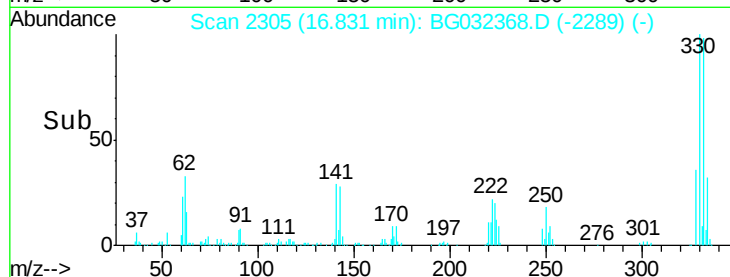
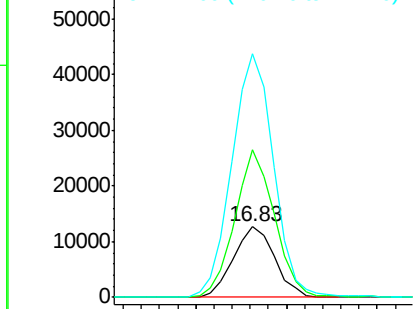
#66
4-Bromophenyl-phenylether
Concen: 5.771 ng
RT: 16.83 min Scan# 2305
Delta R.T. -0.43 min
Lab File: BG032368.D
Acq: 27 Jan 2018 23:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 20002
Ion Ratio Lower Upper
248 100
250 209.9 77.1 115.7#
141 345.1 50.8 76.2#

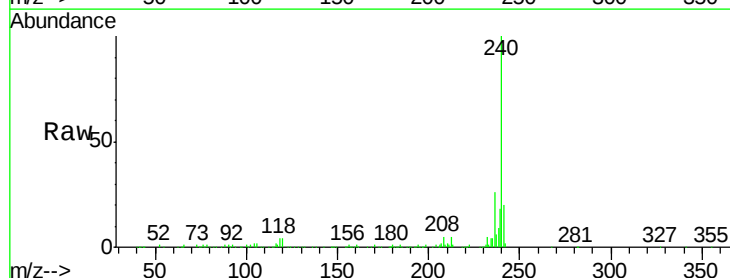


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

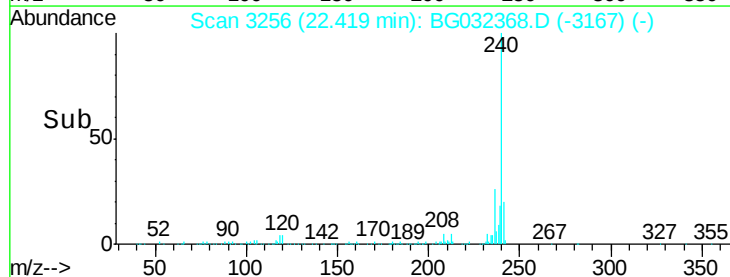
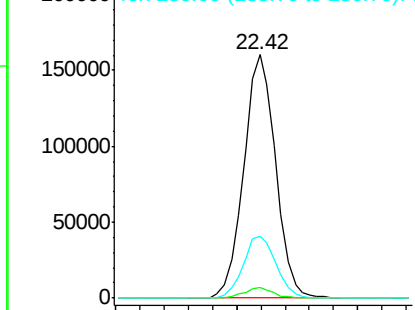


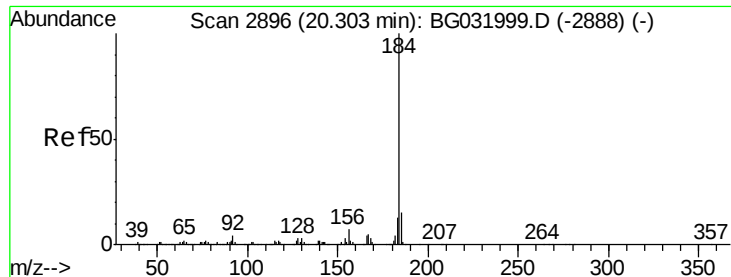
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.42 min Scan# 3256
Delta R.T. -0.01 min
Lab File: BG032368.D
Acq: 27 Jan 2018 23:21

Tgt Ion:240 Resp: 293045
Ion Ratio Lower Upper
240 100
120 4.3 6.8 10.2#
236 25.5 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: 2.959 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.36 min

Lab File: BG032368.D

Acq: 27 Jan 2018 23:21

Instrument :

BNA_G

ClientSampleId :

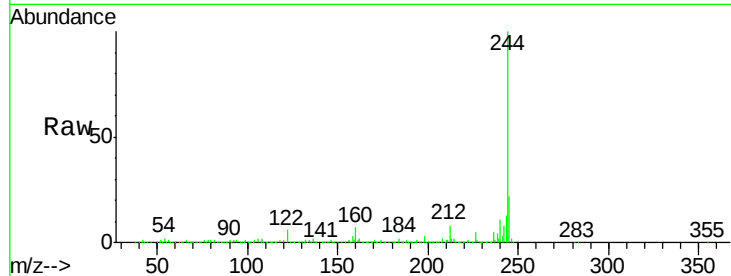
Tot Ion:184 Resp: 21686

Ion Ratio Lower Upper

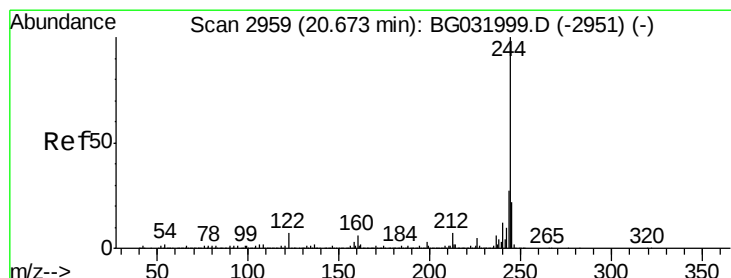
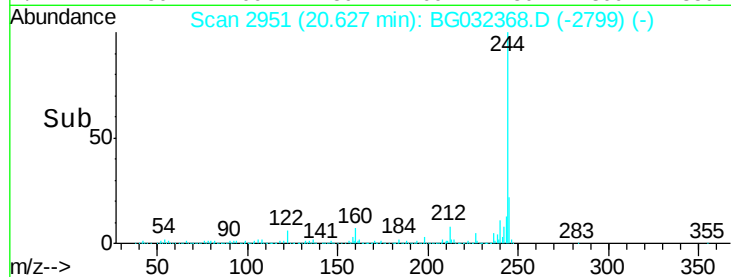
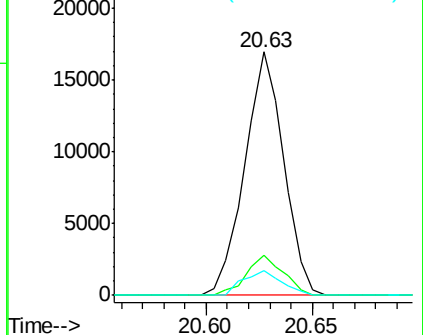
184 100

185 16.7 11.1 16.7#

183 10.1 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: 111.253 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.01 min

Lab File: BG032368.D

Acq: 27 Jan 2018 23:21

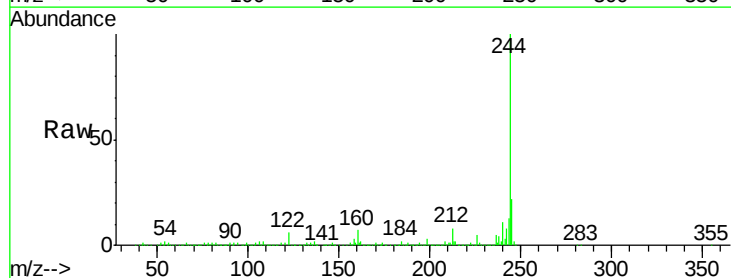
Tgt Ion:244 Resp: 1476520

Ion Ratio Lower Upper

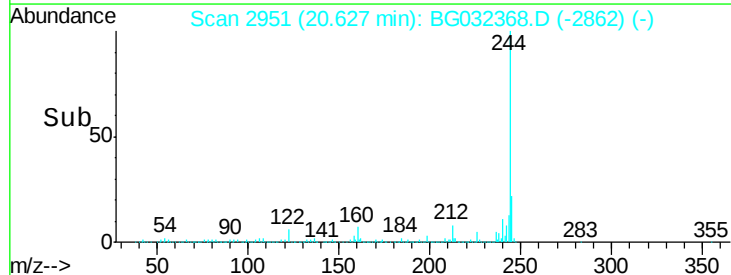
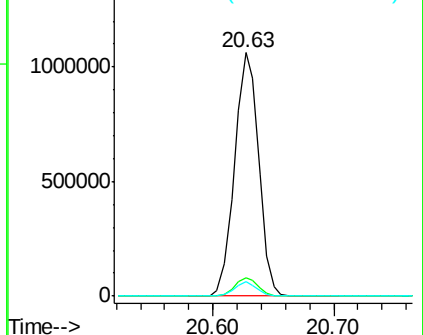
244 100

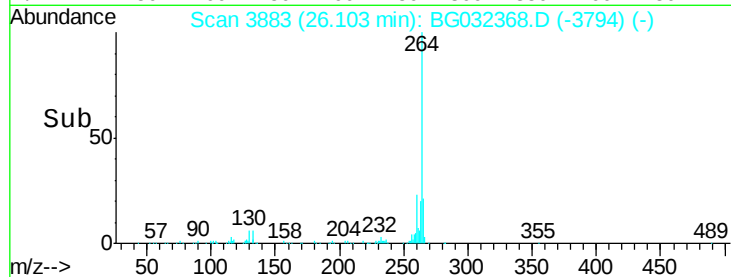
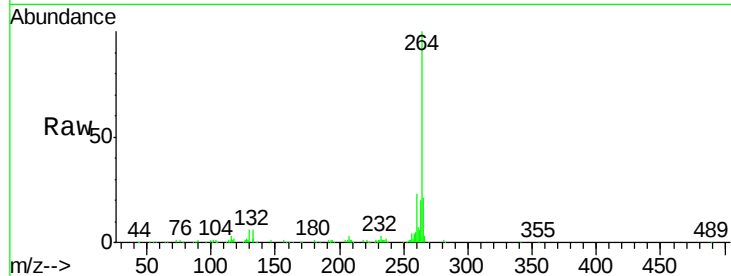
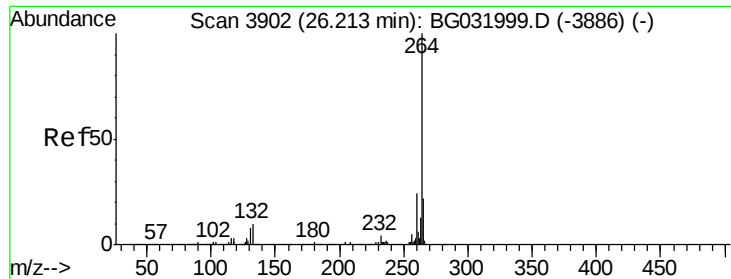
212 7.7 5.8 8.8

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: 26.10 min Scan# 3883
Delta R.T. -0.01 min
Lab File: BG032368.D
Acq: 27 Jan 2018 23:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.4	26.0
265	20.6	17.7	26.5

