

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012718\
 Data File : BG032370.D
 Acq On : 28 Jan 2018 00:36
 Operator : SJ/JU
 Sample : J1010-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 28 03:33:14 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	33818	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	127512	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	86402	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	236773	20.00	ng	0.00
75) Chrysene-d12	22.41	240	321245	20.00	ng	-0.01
86) Perylene-d12	26.10	264	293134	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	231768	125.34	ng	0.00
7) Phenol-d6	7.84	99	256516	110.15	ng	0.00
23) Nitrobenzene-d5	9.92	82	198154	105.13	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	237359	166.01	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	672745	96.55	ng	0.00
78) Terphenyl-d14	20.63	244	1496040	102.83	ng	0.00

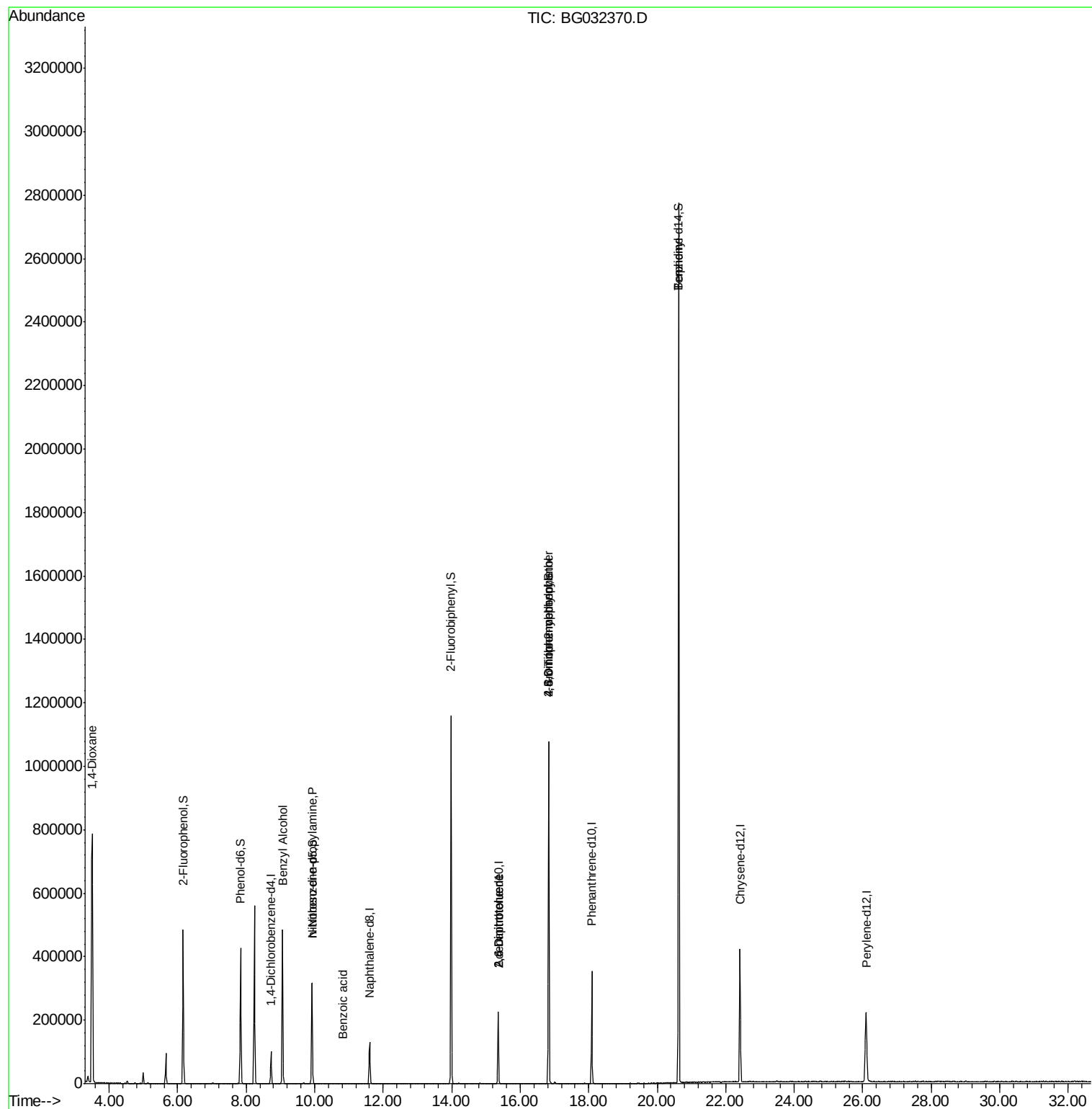
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.51	88	11828	16.650	ng	# 1
15) Benzyl Alcohol	9.06	79	3696	2.185	ng	# 40
19) n-Nitroso-di-n-propylamine	9.92	70	29872	20.674	ng	# 72
32) Benzoic acid	10.83	122	54	5.290	ng	# 1
50) 2,6-Dinitrotoluene	15.35	165	11213	7.145	ng	# 20
56) 2,4-Dinitrotoluene	15.35	165	11213	5.307	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.83	198	726	5.315	ng	# 17
66) 4-Bromophenyl-phenylether	16.83	248	20598	6.114	ng	# 1
76) Benzidine	20.63	184	21748	2.707	ng	# 94

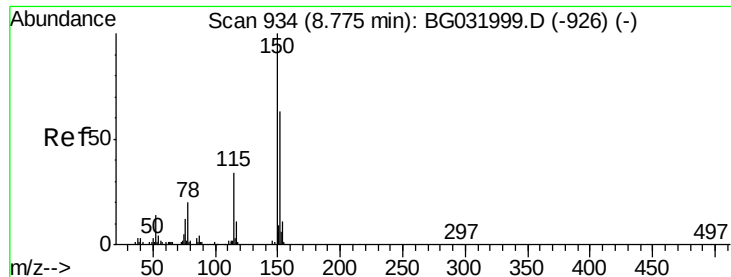
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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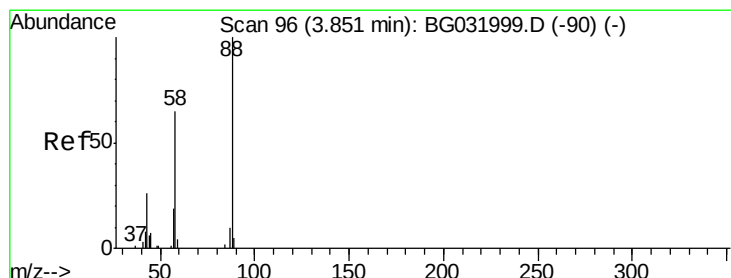
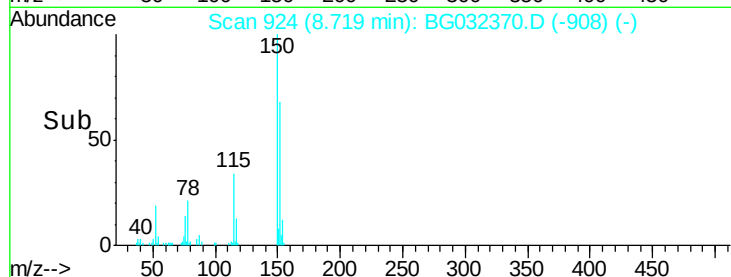
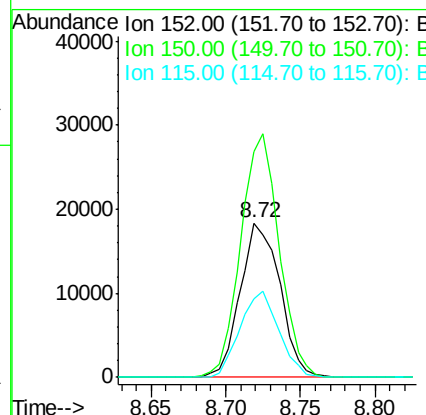
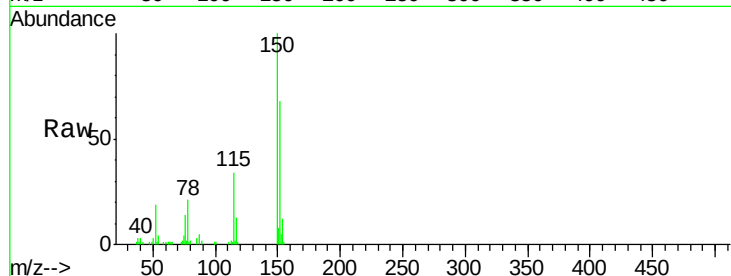


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.72 min Scan# 924
Delta R.T. -0.00 min
Lab File: BG032370.D
Acq: 28 Jan 2018 00:36

Instrument :
BNA_G
ClientSampled :

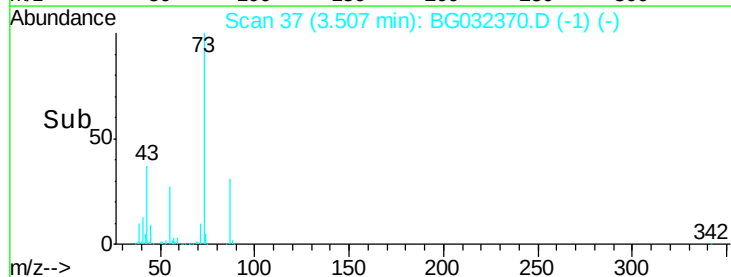
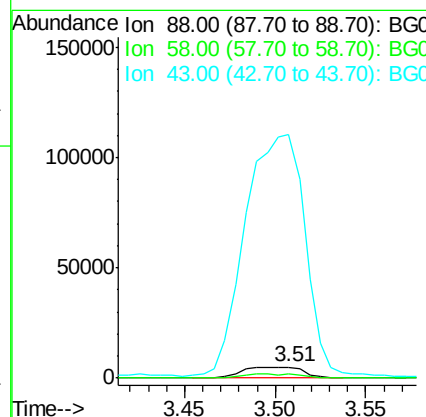
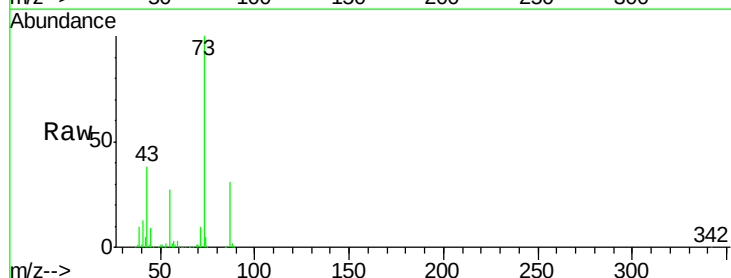
Tot Ion:152 Resp: 33818
Ion Ratio Lower Upper
152 100
150 146.6 126.6 189.8
115 50.5 53.0 79.4#

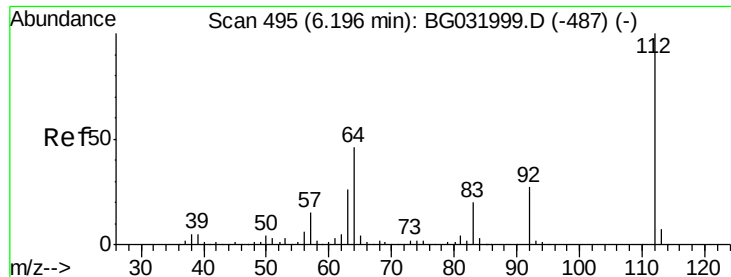


#2

1,4-Dioxane
Concen: 16.650 ng
RT: 3.51 min Scan# 37
Delta R.T. -0.32 min
Lab File: BG032370.D
Acq: 28 Jan 2018 00:36

Tgt Ion: 88 Resp: 11828
Ion Ratio Lower Upper
88 100
58 33.2 79.6 119.4#
43 2122.2 27.4 41.0#





#5

2-Fluorophenol

Concen: 125.344 ng

RT: 6.16 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG032370.D

Acq: 28 Jan 2018 00:36

Instrument :

BNA_G

ClientSampled :

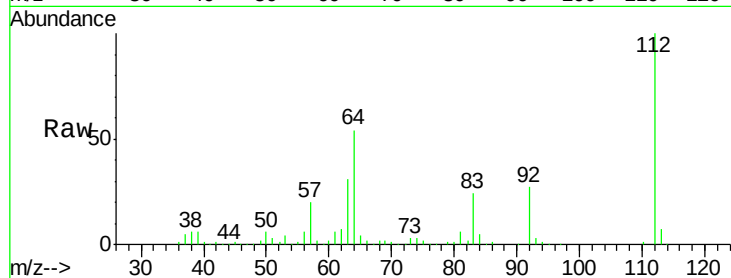
Tot Ion:112 Resp: 231768

Ion Ratio Lower Upper

112 100

64 53.8 56.3 84.5#

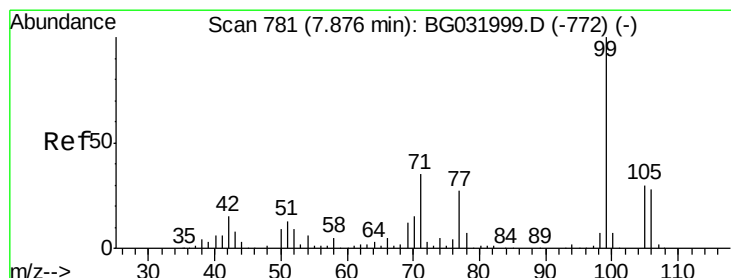
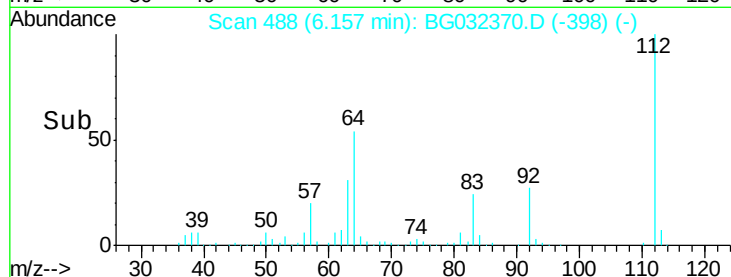
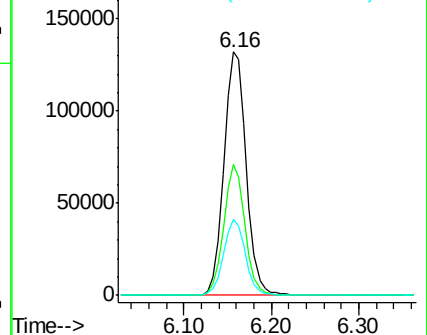
63 31.2 30.1 45.1



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: 110.151 ng

RT: 7.84 min Scan# 774

Delta R.T. 0.00 min

Lab File: BG032370.D

Acq: 28 Jan 2018 00:36

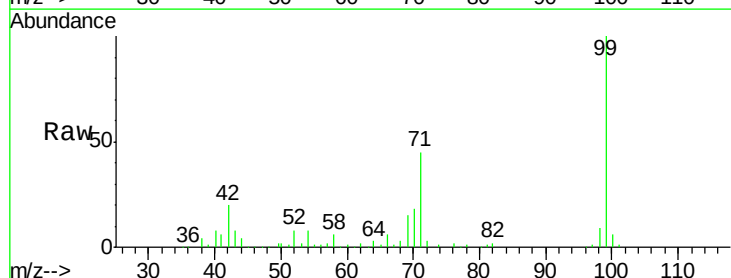
Tgt Ion: 99 Resp: 256516

Ion Ratio Lower Upper

99 100

42 20.1 14.1 21.1

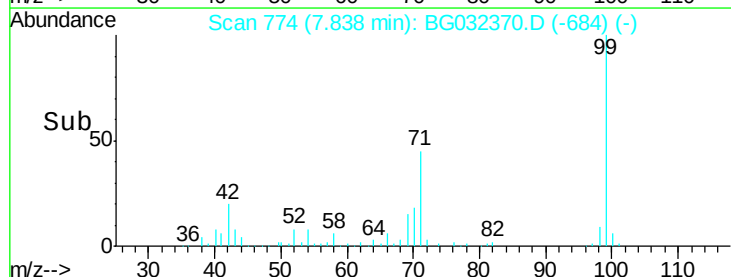
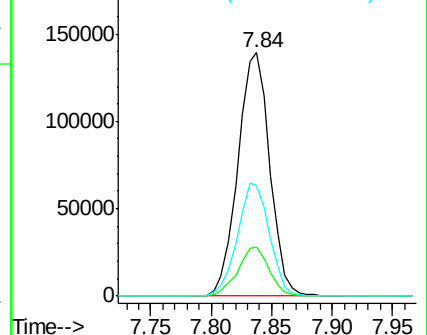
71 45.1 26.1 39.1#

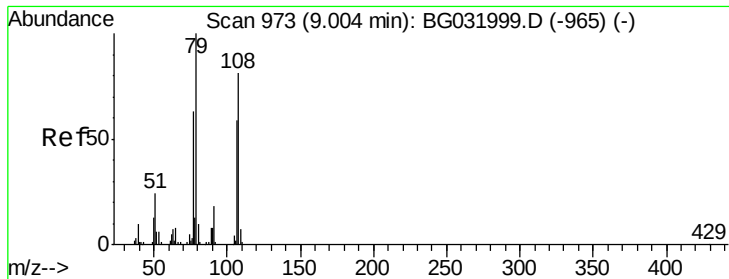


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.185 ng

RT: 9.06 min Scan# 982

Delta R.T. 0.10 min

Lab File: BG032370.D

Acq: 28 Jan 2018 00:36

Instrument :

BNA_G

ClientSampleId :

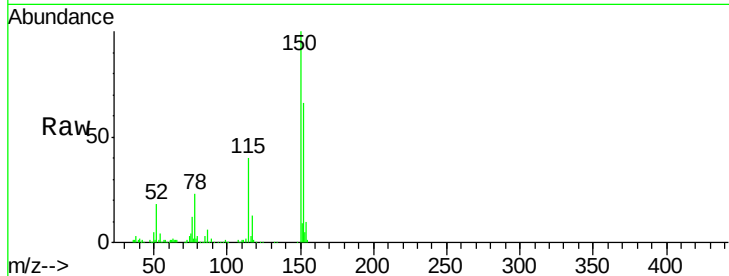
Tot Ion: 79 Resp: 3696

Ion Ratio Lower Upper

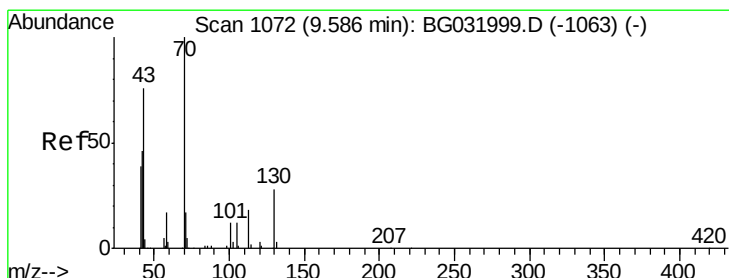
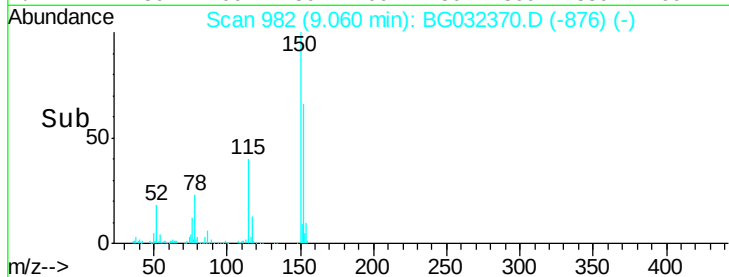
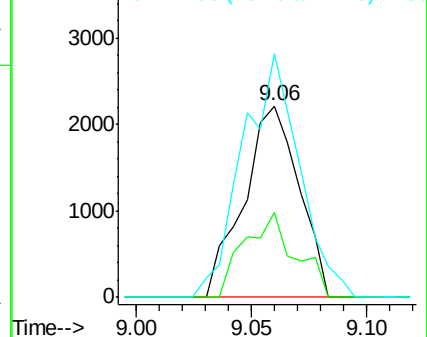
79 100

108 44.4 57.2 85.8#

77 127.0 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: 20.674 ng

RT: 9.92 min Scan# 1128

Delta R.T. 0.38 min

Lab File: BG032370.D

Acq: 28 Jan 2018 00:36

Tgt Ion: 70 Resp: 29872

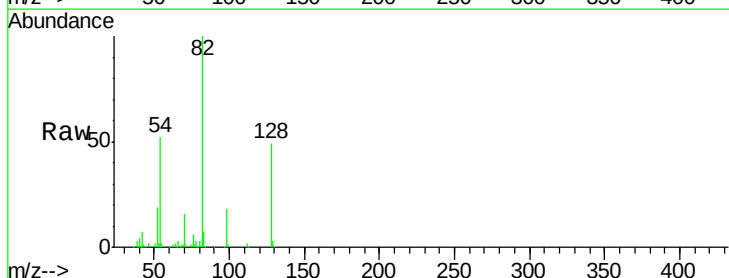
Ion Ratio Lower Upper

70 100

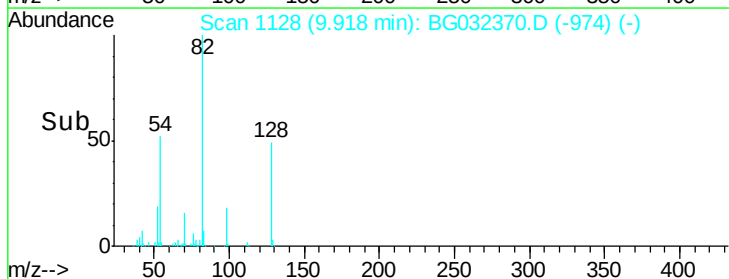
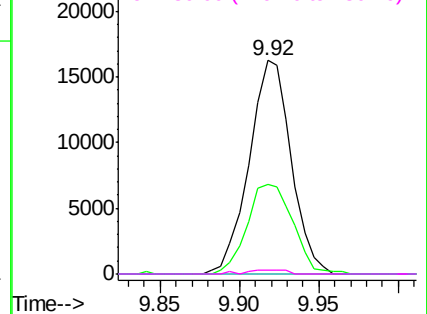
42 41.9 49.1 73.7#

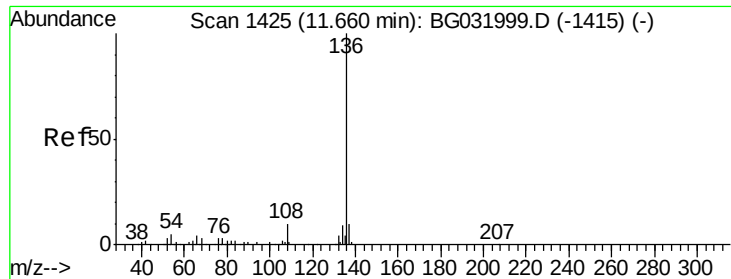
101 0.0 8.5 12.7#

130 1.6 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

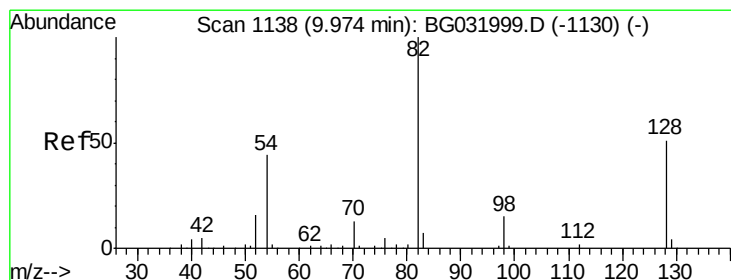
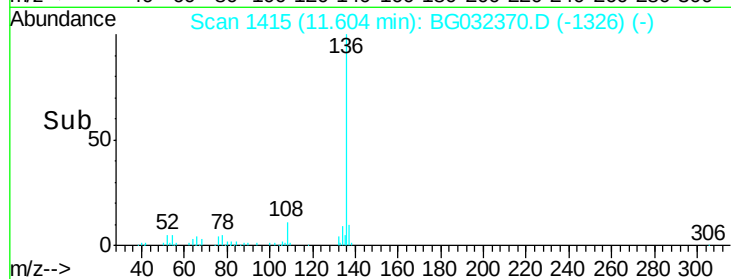
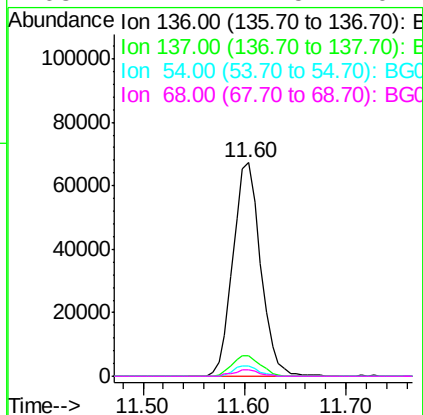
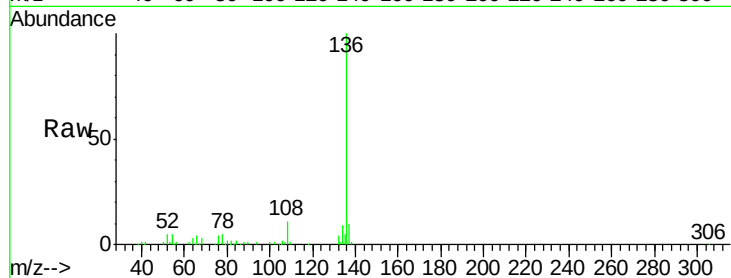




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.00 min
Lab File: BG032370.D
Acq: 28 Jan 2018 00:36

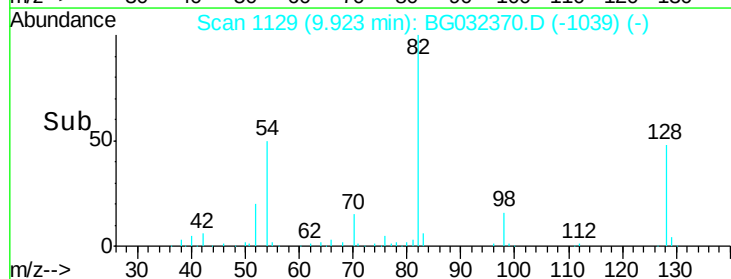
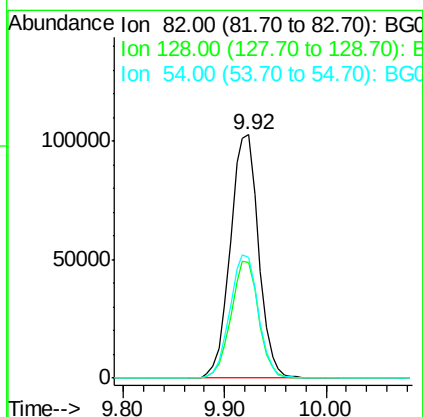
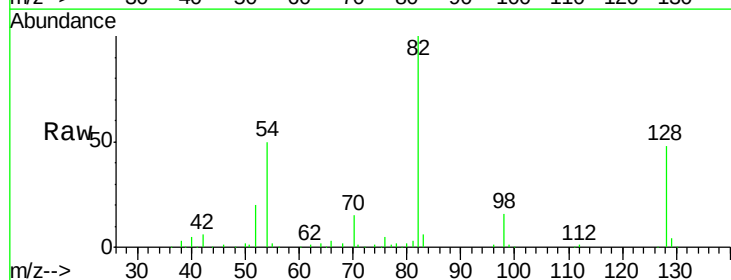
Instrument :
BNA_G
ClientSampleId :

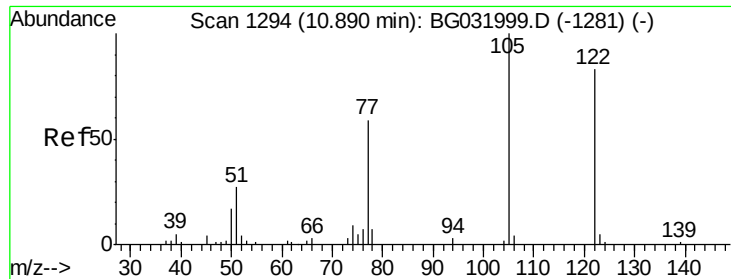
Tot Ion:136	Resp:	127512
Ion	Ratio	Lower Upper
136	100	
137	9.7	9.2 13.8
54	4.9	10.3 15.5#
68	2.7	4.5 6.7#



#23
Nitrobenzene-d5
Concen: 105.135 ng
RT: 9.92 min Scan# 1129
Delta R.T. 0.00 min
Lab File: BG032370.D
Acq: 28 Jan 2018 00:36

Tgt Ion: 82	Resp:	198154
Ion	Ratio	Lower Upper
82	100	
128	47.6	29.7 44.5#
54	49.8	43.1 64.7





#32

Benzoic acid

Concen: 5.290 ng

RT: 10.83 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BG032370.D

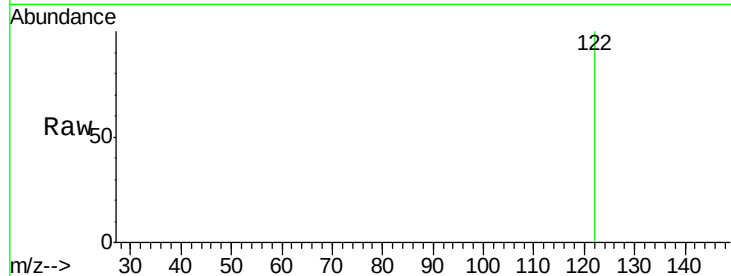
Acq: 28 Jan 2018 00:36

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#

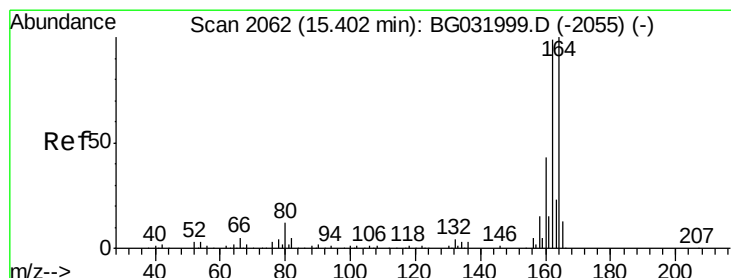
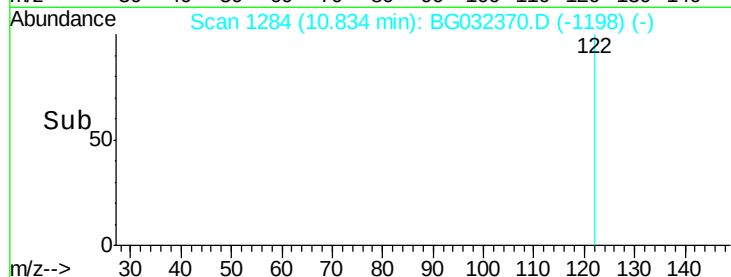
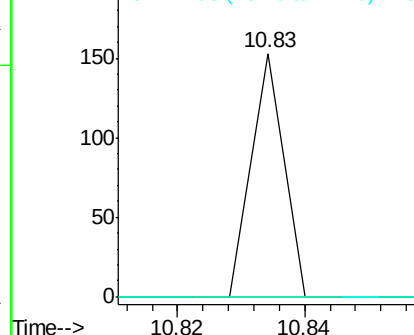


Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

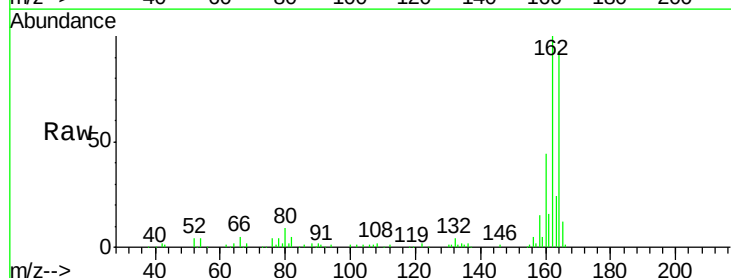
RT: 15.36 min Scan# 2054

Delta R.T. -0.00 min

Lab File: BG032370.D

Acq: 28 Jan 2018 00:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.8	78.8	118.2
160	47.0	35.4	53.0

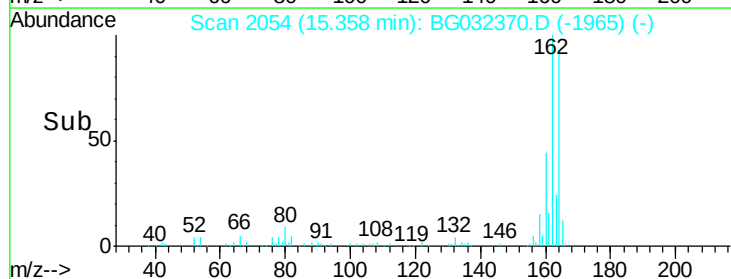
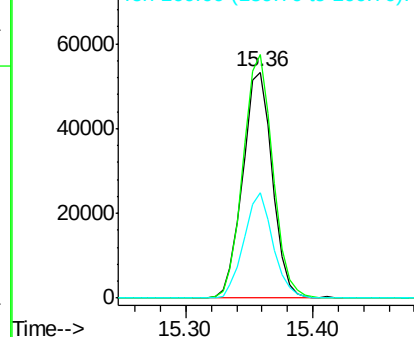


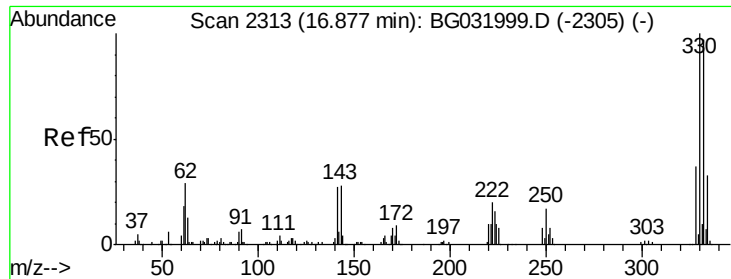
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

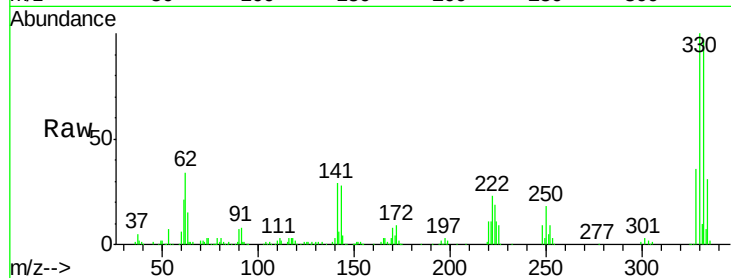




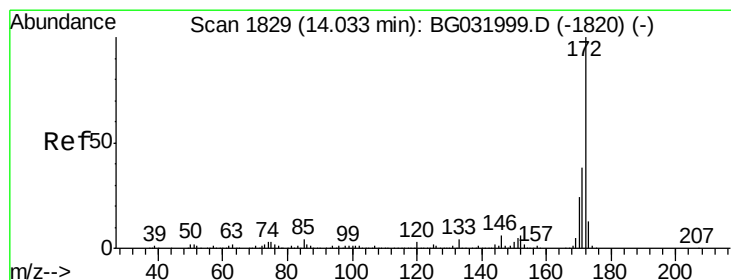
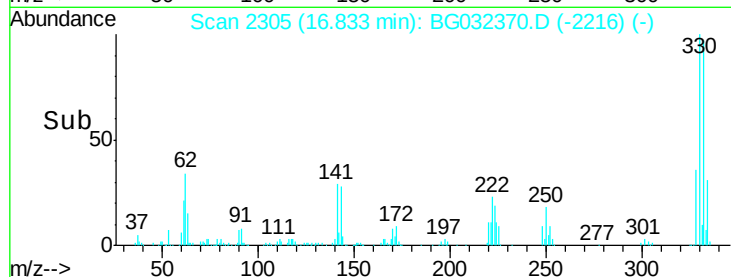
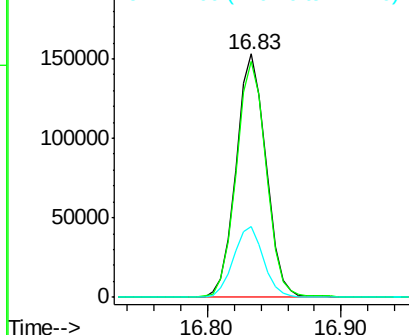
#41
 2,4,6-Tribromophenol
 Concen: 166.014 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: BG032370.D
 Acq: 28 Jan 2018 00:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	29.3	25.2	37.8

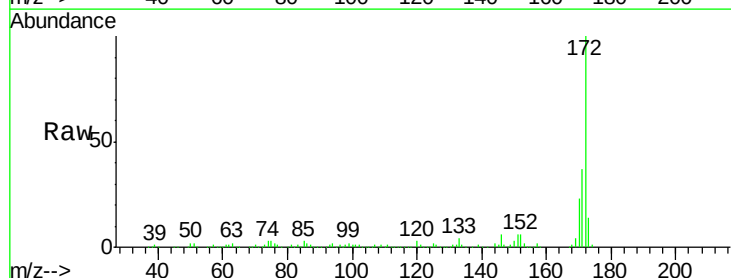


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

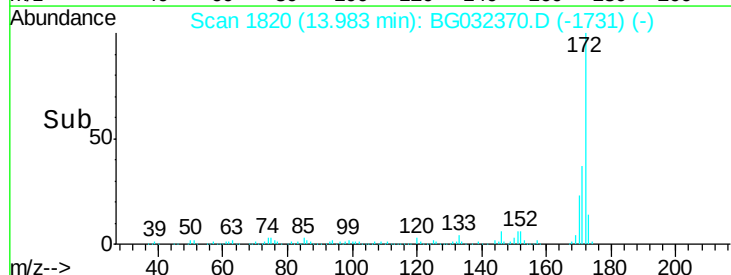
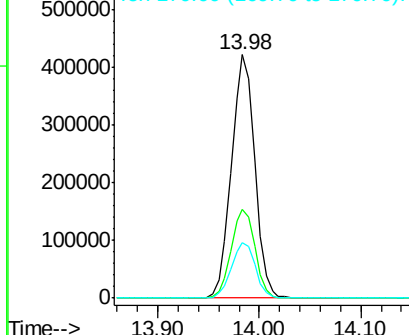


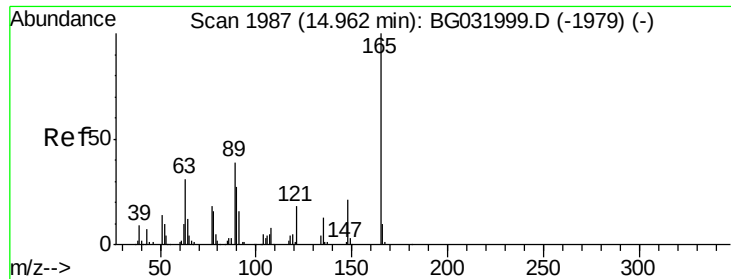
#44
 2-Fluorobiphenyl
 Concen: 96.545 ng
 RT: 13.98 min Scan# 1820
 Delta R.T. -0.00 min
 Lab File: BG032370.D
 Acq: 28 Jan 2018 00:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.0	45.0
170	23.0	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

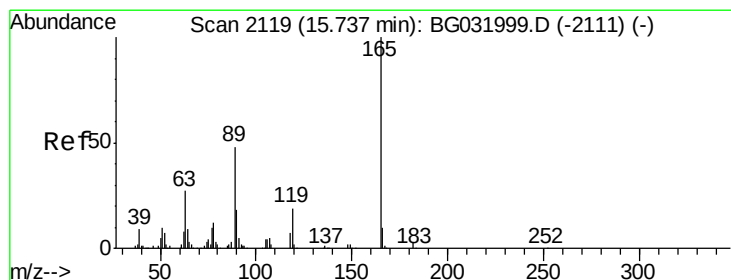
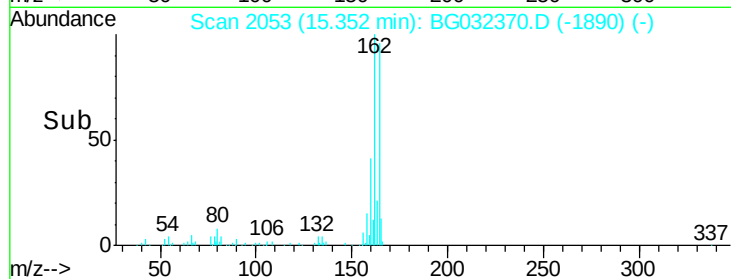
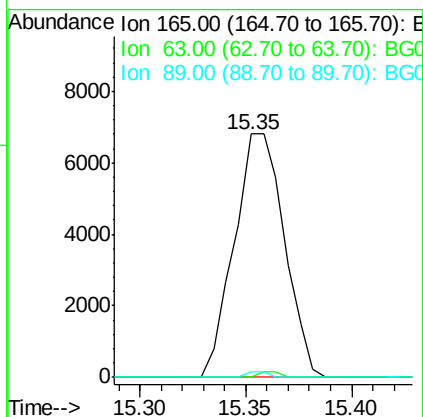
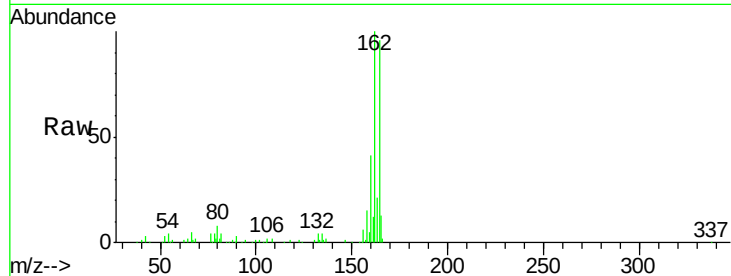




#50
 2,6-Dinitrotoluene
 Concen: 7.145 ng
 RT: 15.35 min Scan# 2053
 Delta R.T. 0.43 min
 Lab File: BG032370.D
 Acq: 28 Jan 2018 00:36

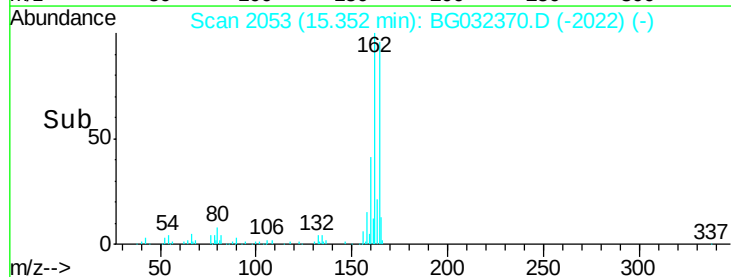
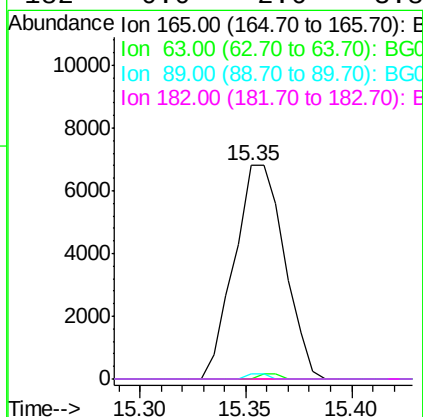
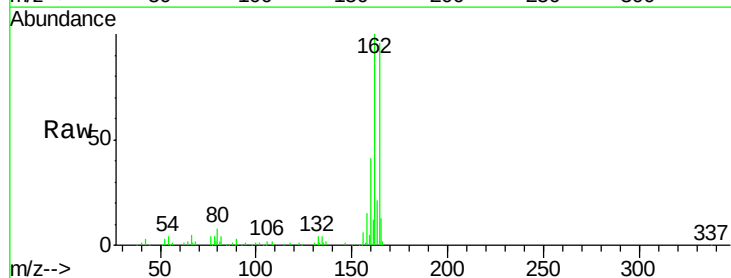
Instrument :
 BNA_G
 ClientSampleId :

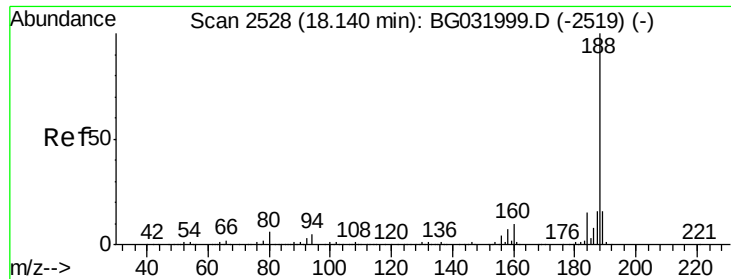
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	2.5	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.307 ng
 RT: 15.35 min Scan# 2053
 Delta R.T. -0.34 min
 Lab File: BG032370.D
 Acq: 28 Jan 2018 00:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	2.5	66.9	100.3#
182	0.0	2.6	3.8#

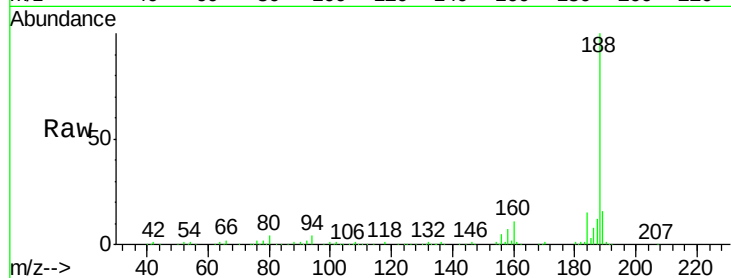




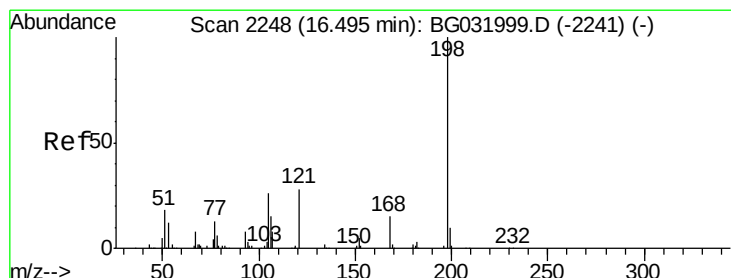
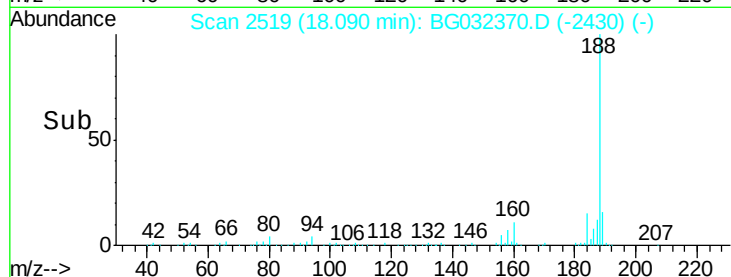
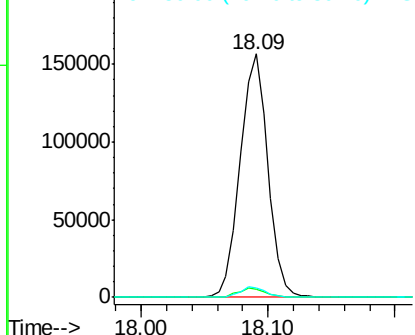
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.09 min Scan# 2519
Delta R.T. -0.00 min
Lab File: BG032370.D
Acq: 28 Jan 2018 00:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 236773
Ion Ratio Lower Upper
188 100
94 3.5 6.9 10.3#
80 3.7 7.7 11.5#

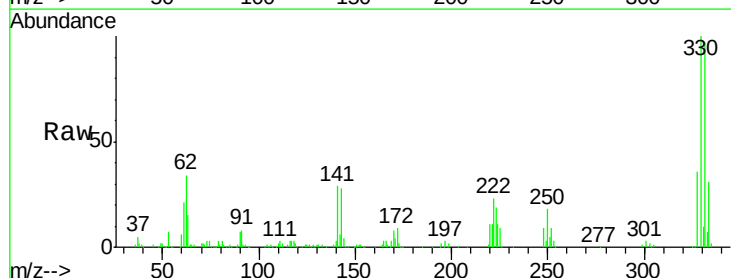


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

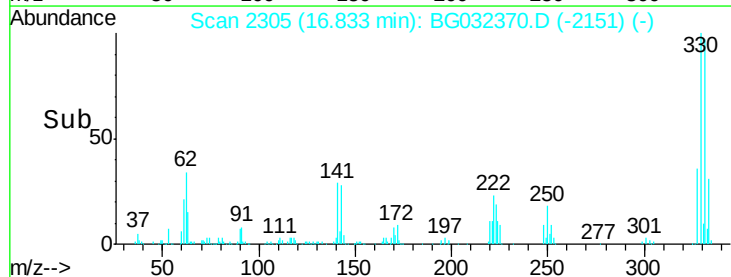
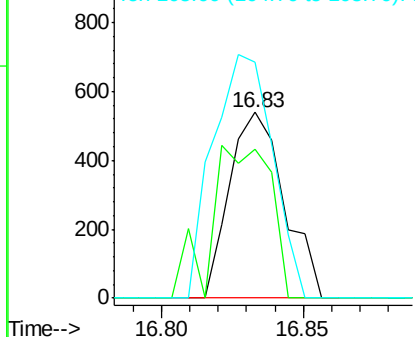


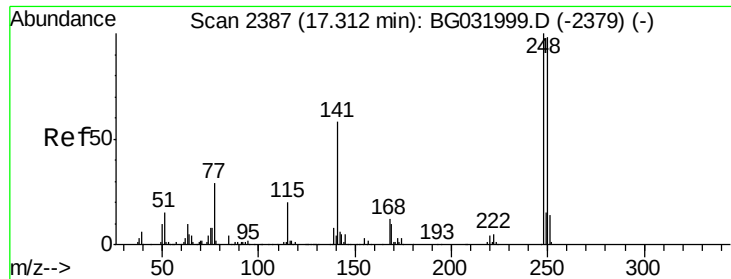
#64
4,6-Dinitro-2-methylphenol
Concen: 5.315 ng
RT: 16.83 min Scan# 2305
Delta R.T. 0.38 min
Lab File: BG032370.D
Acq: 28 Jan 2018 00:36

Tgt Ion:198 Resp: 726
Ion Ratio Lower Upper
198 100
51 80.5 30.6 70.6#
105 127.3 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

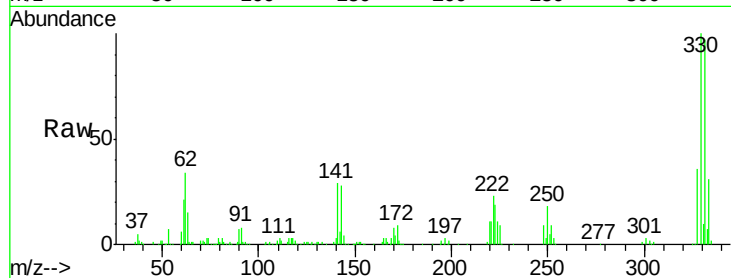




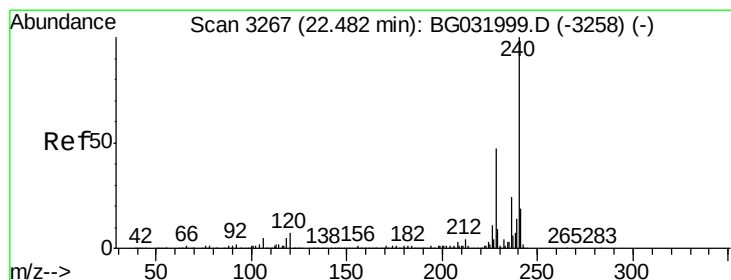
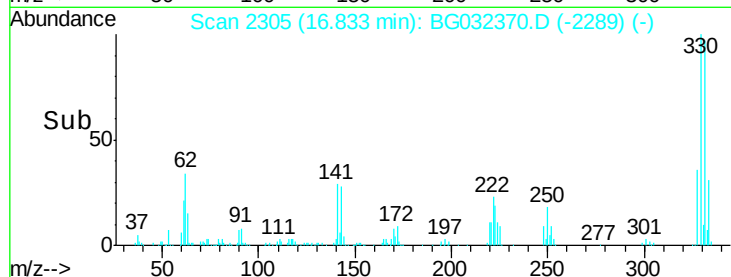
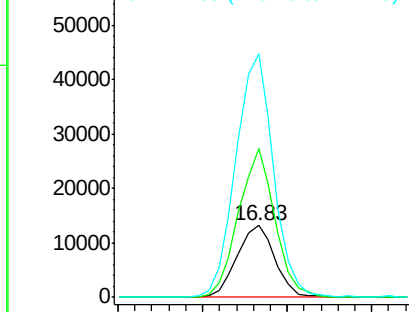
#66
 4-Bromophenyl-phenylether
 Concen: 6.114 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. -0.43 min
 Lab File: BG032370.D
 Acq: 28 Jan 2018 00:36

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	208.4	77.1	115.7#
141	340.1	50.8	76.2#

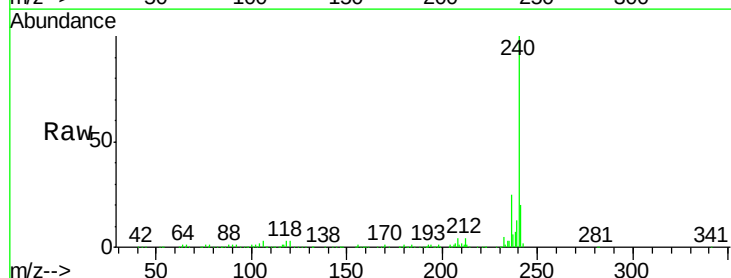


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

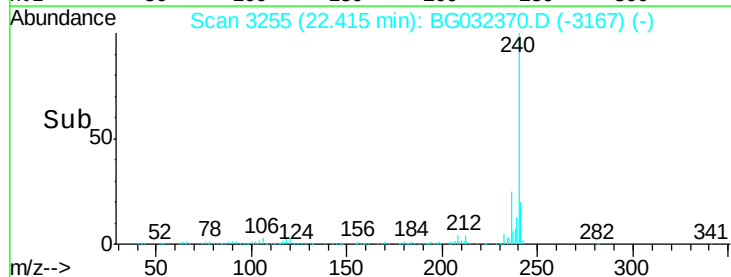
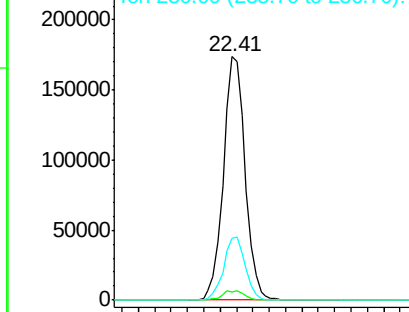


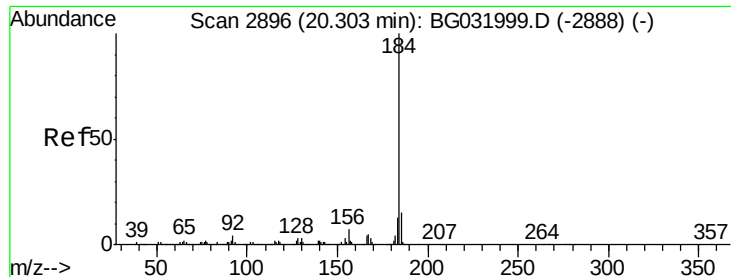
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.41 min Scan# 3255
 Delta R.T. -0.01 min
 Lab File: BG032370.D
 Acq: 28 Jan 2018 00:36

Tgt Ion	Ratio	Lower	Upper
240	100		
120	3.5	6.8	10.2#
236	25.2	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

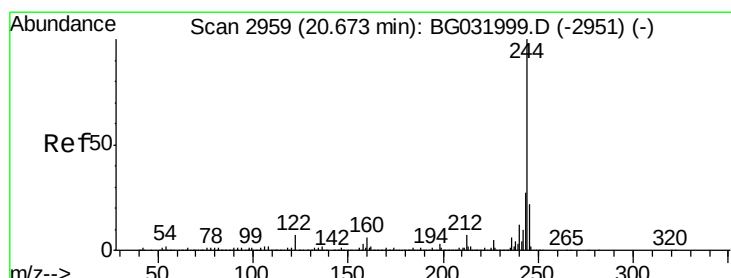
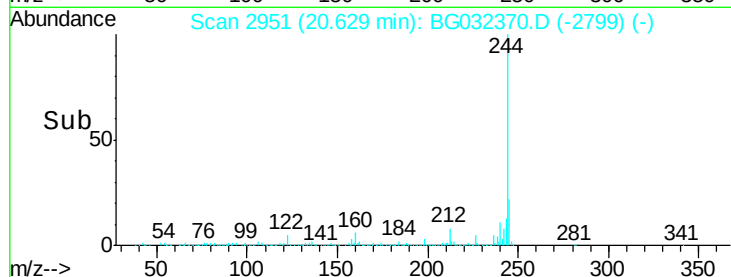
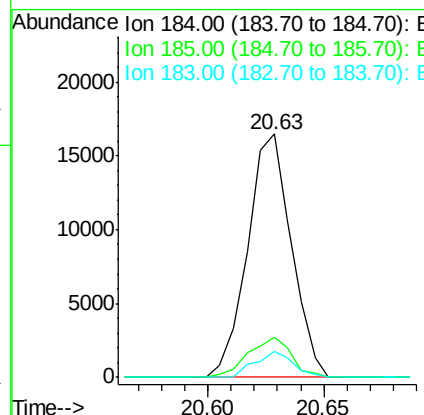
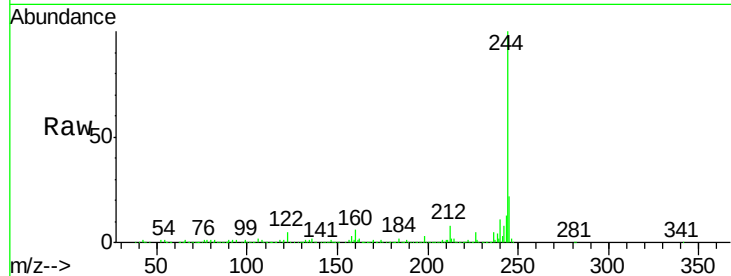




#76
Benzidine
Concen: 2.707 ng
RT: 20.63 min Scan# 2951
Delta R.T. 0.37 min
Lab File: BG032370.D
Acq: 28 Jan 2018 00:36

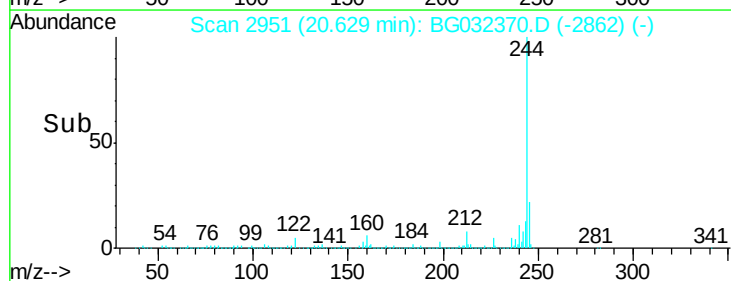
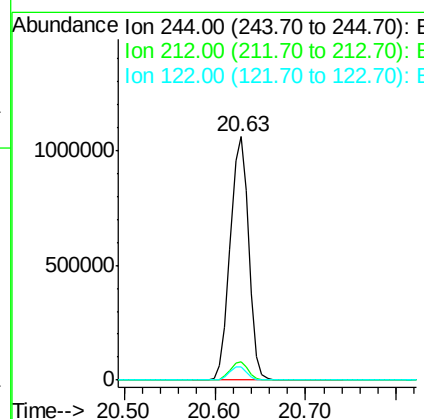
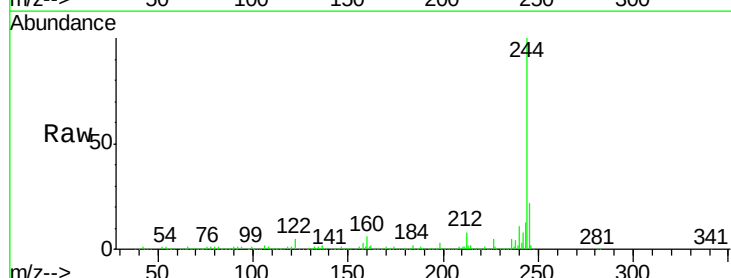
Instrument :
BNA_G
ClientSampleId :

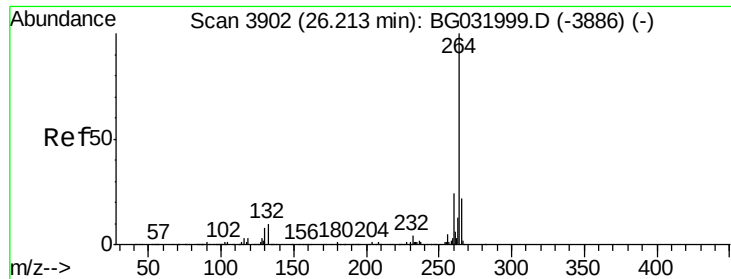
Tot Ion:184 Resp: 21748
Ion Ratio Lower Upper
184 100
185 16.3 11.1 16.7
183 10.5 10.6 16.0#



#78
Terphenyl-d14
Concen: 102.829 ng
RT: 20.63 min Scan# 2951
Delta R.T. -0.00 min
Lab File: BG032370.D
Acq: 28 Jan 2018 00:36

Tgt Ion:244 Resp: 1496040
Ion Ratio Lower Upper
244 100
212 7.7 5.8 8.8
122 5.4 7.0 10.4#





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.10 min Scan# 3882
Delta R.T. -0.01 min
Lab File: BG032370.D
Acq: 28 Jan 2018 00:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	17.4	26.0
265	21.5	17.7	26.5

