

Data Path : U:\HPCHEM1\BNA G\DATA\BG012618\
 Data File : BG032338.D
 Acq On : 26 Jan 2018 21:15
 Operator : SJ/JU
 Sample : J1288-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 26 23:10:12 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	33516	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	125846	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	90588	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	253522	20.00	ng	0.00
75) Chrysene-d12	22.41	240	330265	20.00	ng	-0.01
86) Perylene-d12	26.09	264	343003	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.15	112	182074	99.36	ng	0.00
7) Phenol-d6	7.83	99	223827	96.98	ng	0.00
23) Nitrobenzene-d5	9.92	82	138610	74.52	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	185348	123.65	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	449421	61.52	ng	0.00
78) Terphenyl-d14	20.62	244	930447	62.21	ng	-0.01

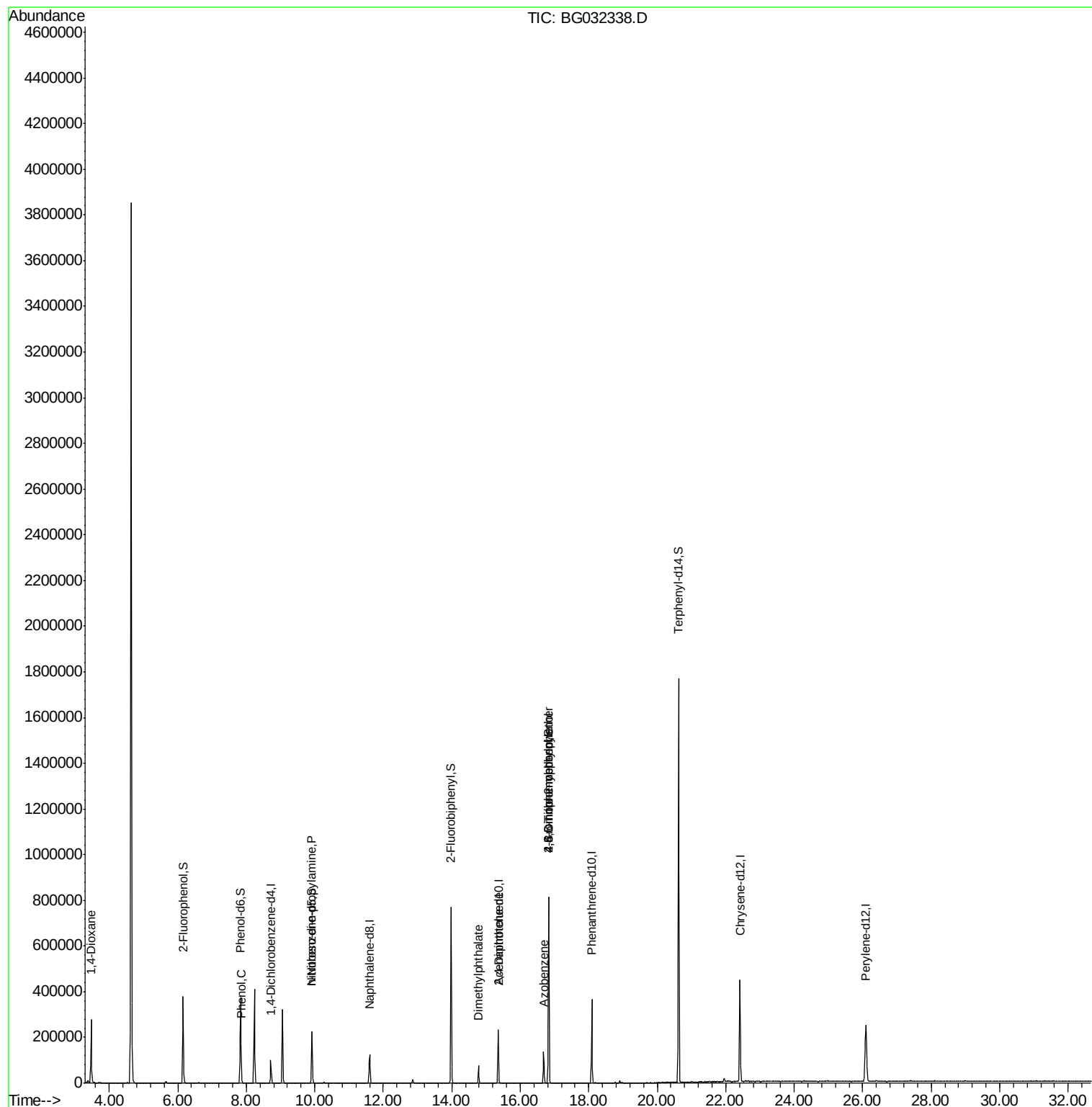
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.47	88	3220	4.574	ng	# 1
10) Phenol	7.86	94	9132	4.017	ng	# 78
19) n-Nitroso-di-n-propylamine	9.92	70	19449	13.582	ng	# 77
49) Dimethylphthalate	14.78	163	57788	7.290	ng	100
56) 2,4-Dinitrotoluene	15.36	165	12236	5.524	ng	# 19
62) Azobenzene	16.68	77	36263	7.539	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.84	198	449	5.133	ng	# 50
66) 4-Bromophenyl-phenylether	16.83	248	15367	4.260	ng	# 1

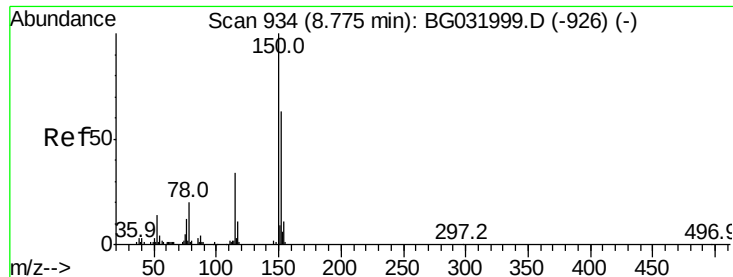
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.72 min Scan# 924

Delta R.T. -0.01 min

Lab File: BG032338.D

Acq: 26 Jan 2018 21:15

Instrument :

BNA_G

ClientSampleId :

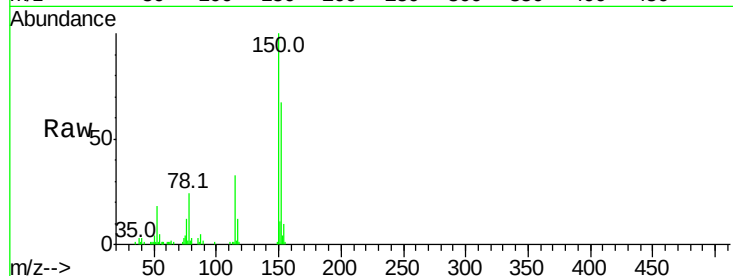
Tot Ion:152 Resp: 33516

Ion Ratio Lower Upper

152 100

150 149.6 126.6 189.8

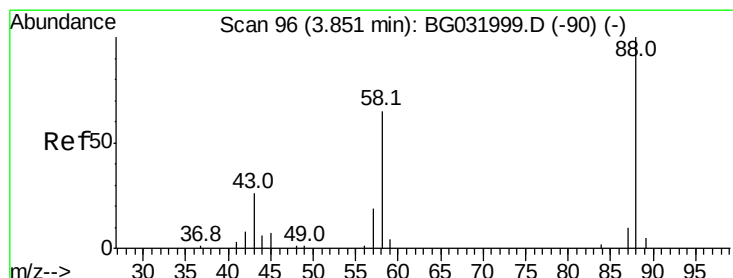
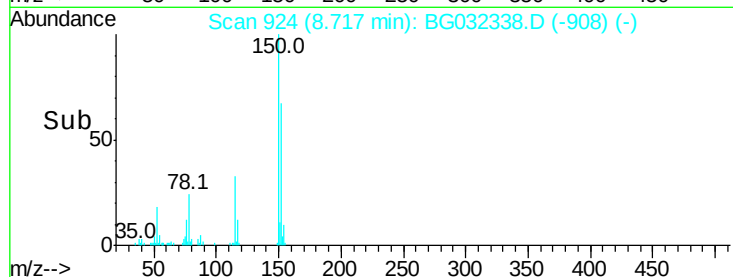
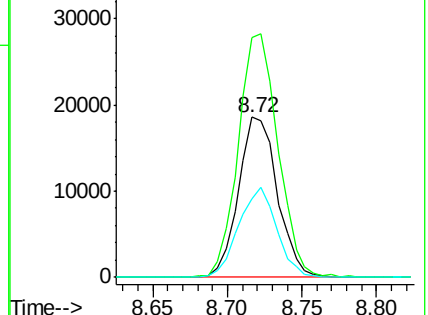
115 48.9 53.0 79.4#



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: 4.574 ng

RT: 3.47 min Scan# 31

Delta R.T. -0.35 min

Lab File: BG032338.D

Acq: 26 Jan 2018 21:15

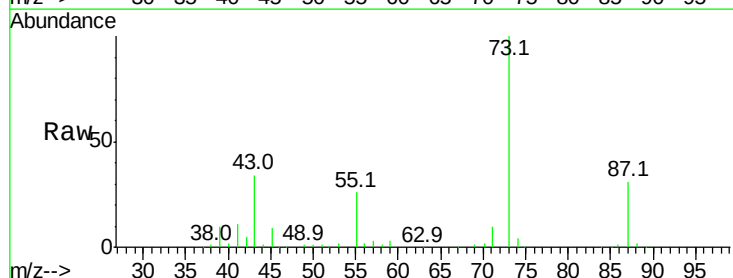
Tgt Ion: 88 Resp: 3220

Ion Ratio Lower Upper

88 100

58 33.6 79.6 119.4#

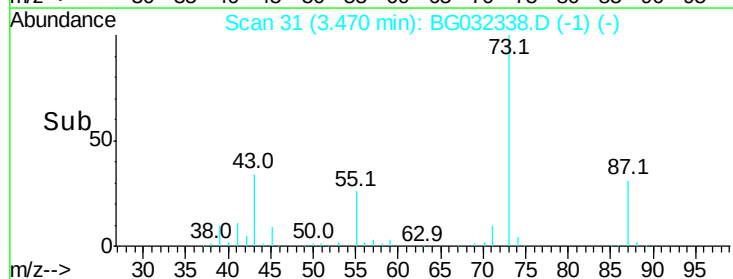
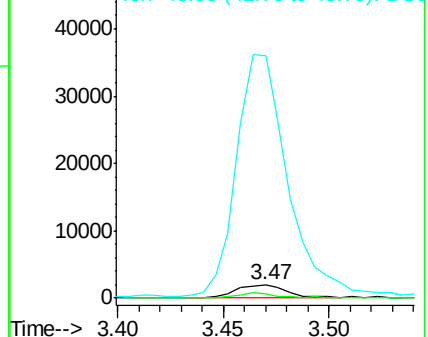
43 1869.0 27.4 41.0#

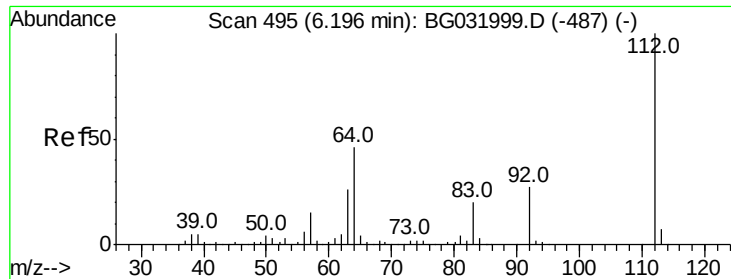


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 99.356 ng

RT: 6.15 min Scan# 488

Delta R.T. -0.00 min

Lab File: BG032338.D

Acq: 26 Jan 2018 21:15

Instrument :

BNA_G

ClientSampleId :

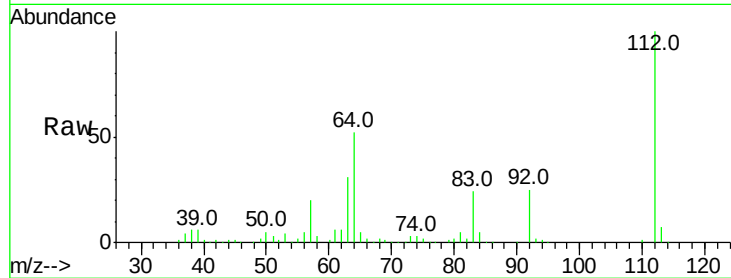
Tot Ion:112 Resp: 182074

Ion Ratio Lower Upper

112 100

64 51.9 56.3 84.5#

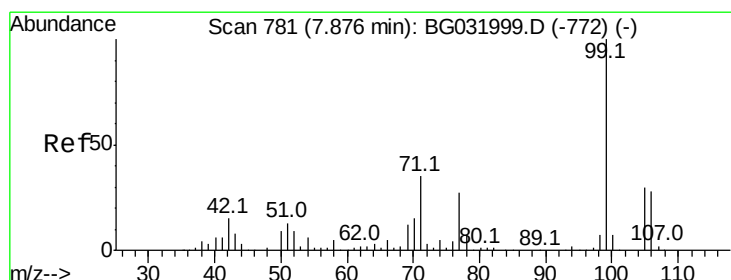
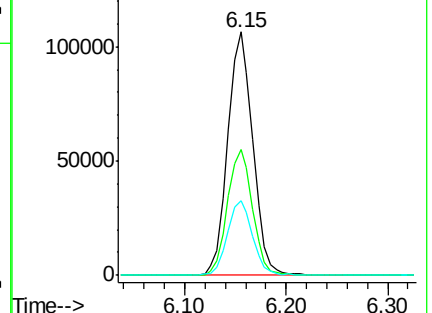
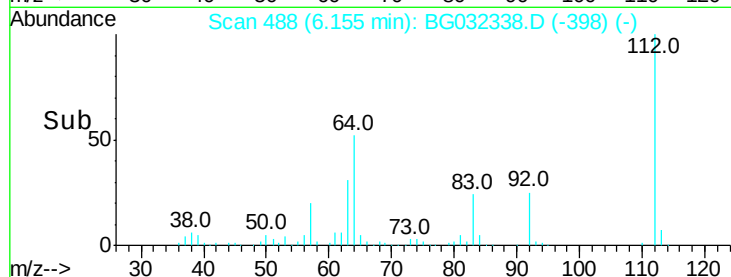
63 30.5 30.1 45.1



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: 96.980 ng

RT: 7.83 min Scan# 773

Delta R.T. -0.01 min

Lab File: BG032338.D

Acq: 26 Jan 2018 21:15

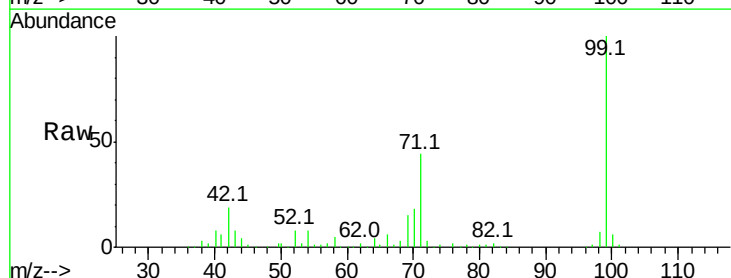
Tgt Ion: 99 Resp: 223827

Ion Ratio Lower Upper

99 100

42 18.5 14.1 21.1

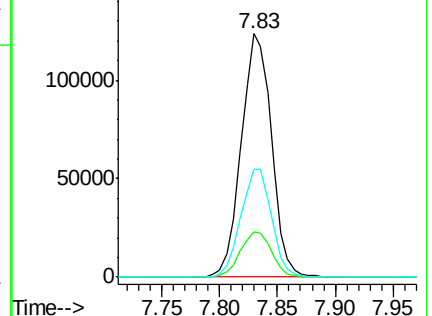
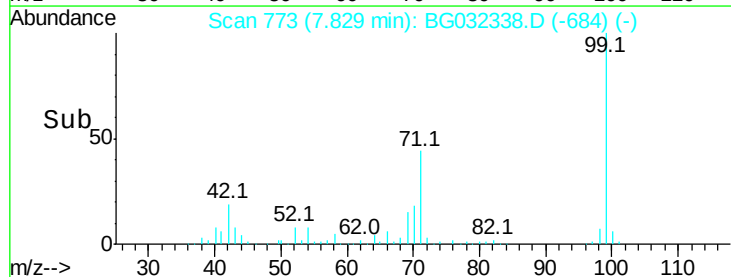
71 44.3 26.1 39.1#

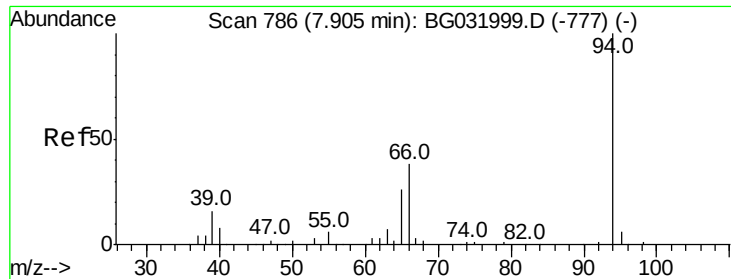


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 4.017 ng

RT: 7.86 min Scan# 778

Delta R.T. -0.01 min

Lab File: BG032338.D

Acq: 26 Jan 2018 21:15

Instrument :

BNA_G

ClientSampled :

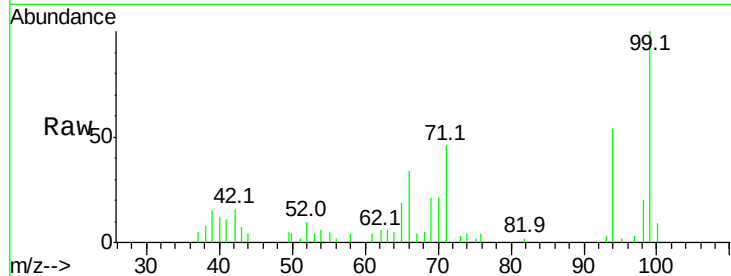
Tot Ion: 94 Resp: 9132

Ion Ratio Lower Upper

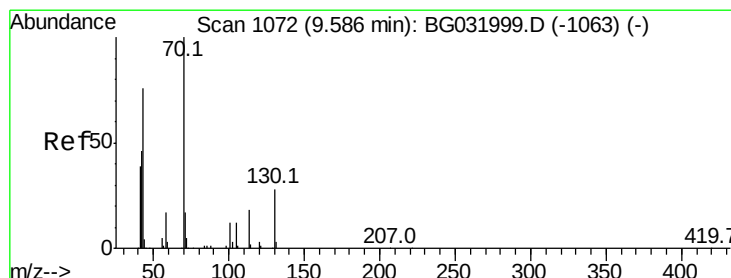
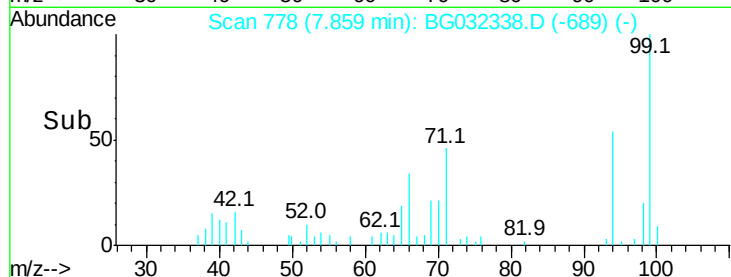
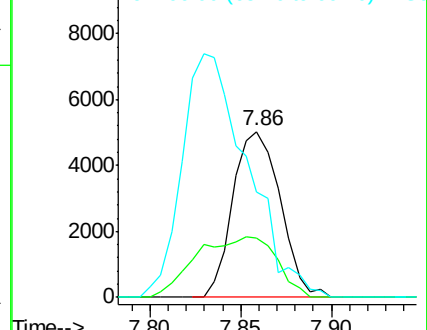
94 100

65 35.8 11.9 51.9

66 63.7 22.2 62.2#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 13.582 ng

RT: 9.92 min Scan# 1128

Delta R.T. 0.38 min

Lab File: BG032338.D

Acq: 26 Jan 2018 21:15

Tgt Ion: 70 Resp: 19449

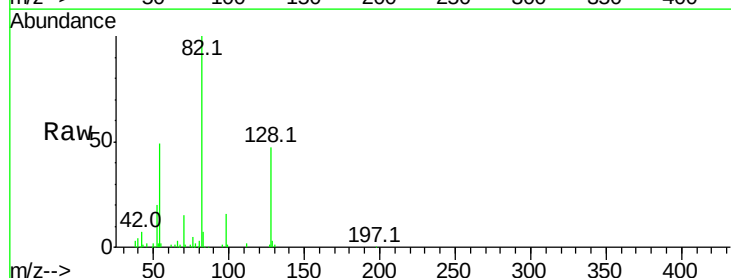
Ion Ratio Lower Upper

70 100

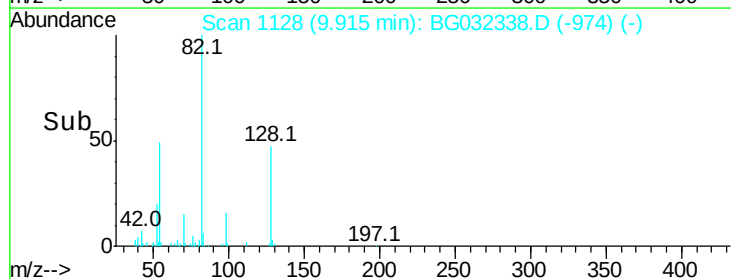
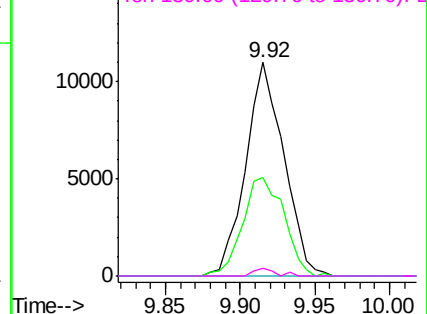
42 46.3 49.1 73.7#

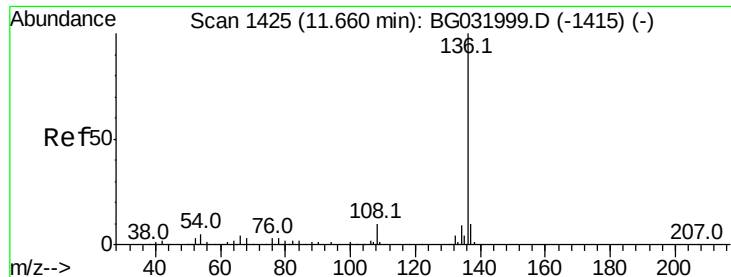
101 0.0 8.5 12.7#

130 3.7 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

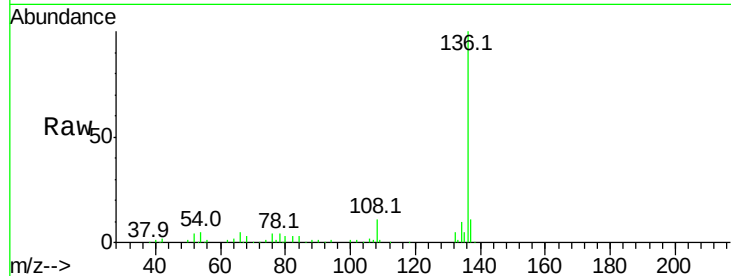




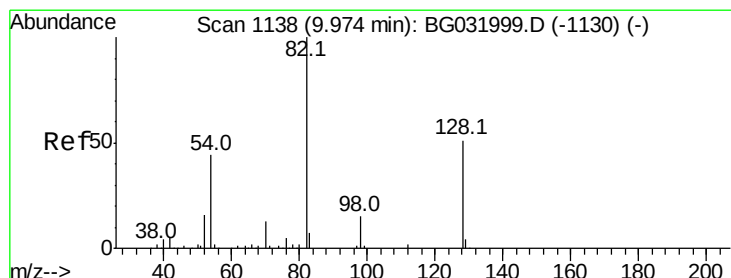
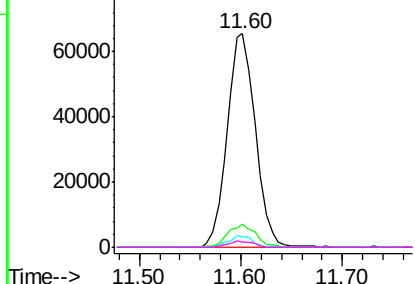
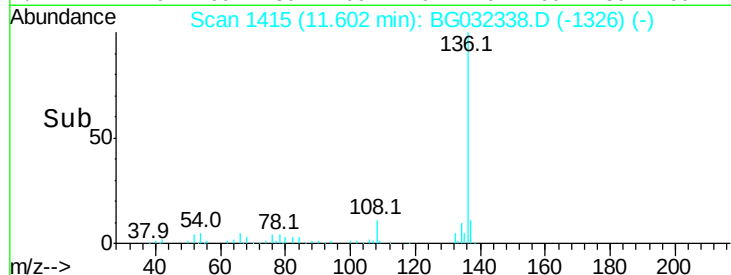
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BG032338.D
Acq: 26 Jan 2018 21:15

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	125846
Ion Ratio	Lower	Upper
136	100	
137	10.7	9.2 13.8
54	4.7	10.3 15.5#
68	2.6	4.5 6.7#

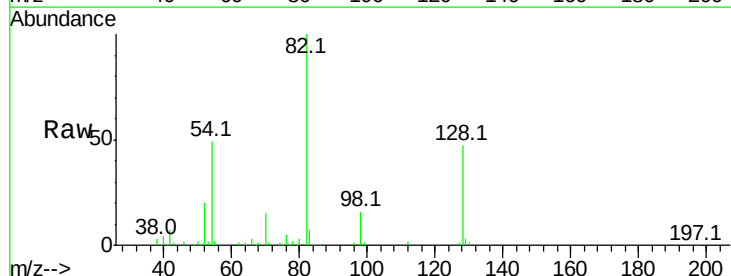


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

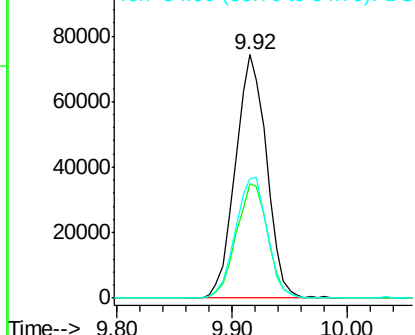
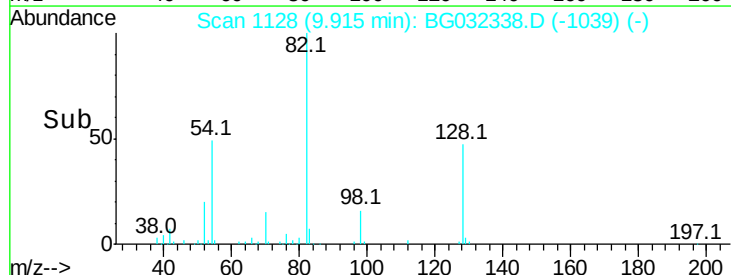


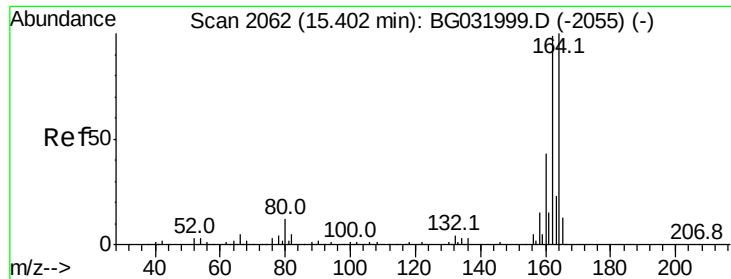
#23
Nitrobenzene-d5
Concen: 74.516 ng
RT: 9.92 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BG032338.D
Acq: 26 Jan 2018 21:15

Tgt Ion: 82	Resp:	138610
Ion Ratio	Lower	Upper
82	100	
128	46.9	29.7 44.5#
54	49.2	43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
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: BG032338.D

Acq: 26 Jan 2018 21:15

Instrument :

BNA_G

ClientSampleId :

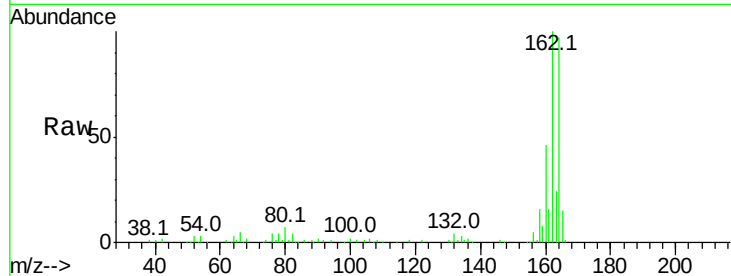
Tot Ion:164 Resp: 90588

Ion Ratio Lower Upper

164 100

162 102.6 78.8 118.2

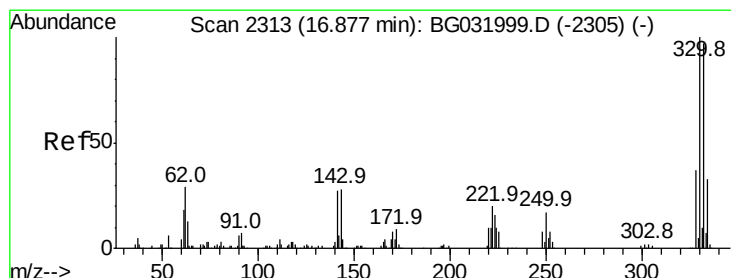
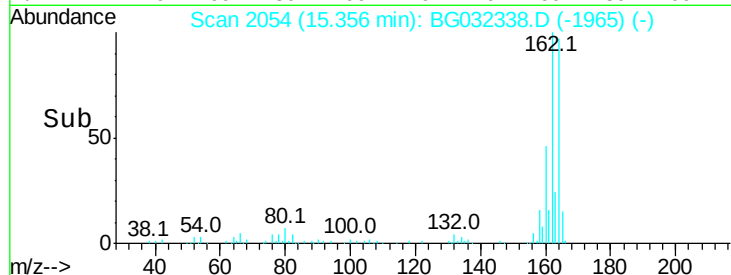
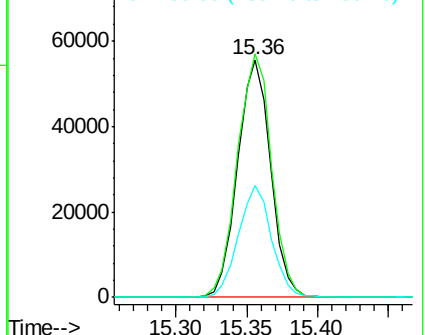
160 47.3 35.4 53.0



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: 123.646 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.01 min

Lab File: BG032338.D

Acq: 26 Jan 2018 21:15

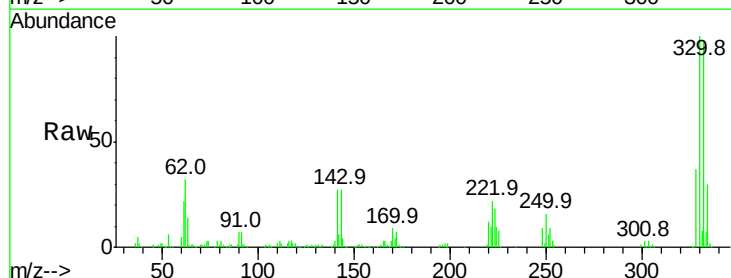
Tgt Ion:330 Resp: 185348

Ion Ratio Lower Upper

330 100

332 97.7 77.0 115.6

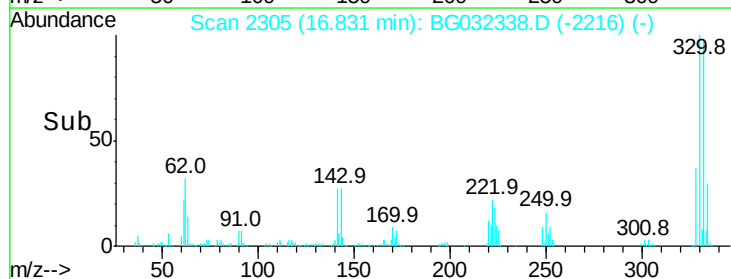
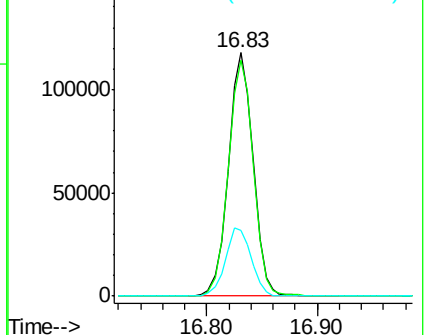
141 29.1 25.2 37.8

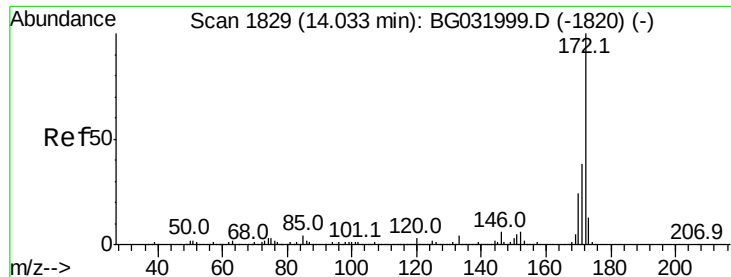


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

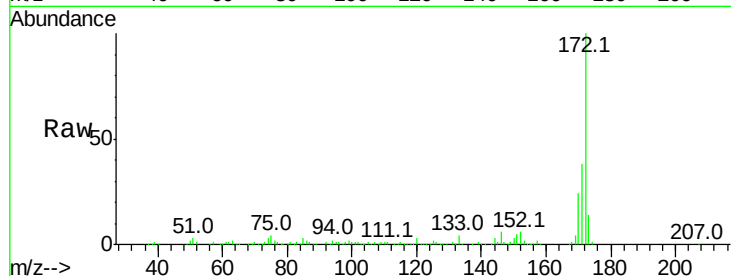




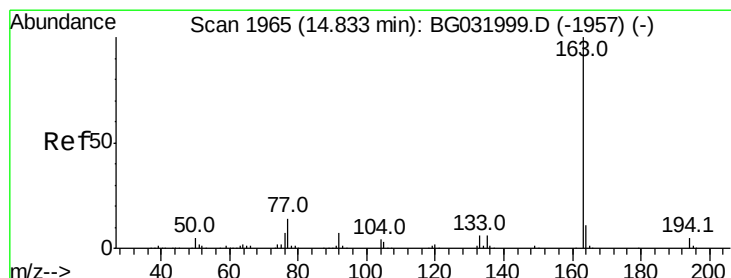
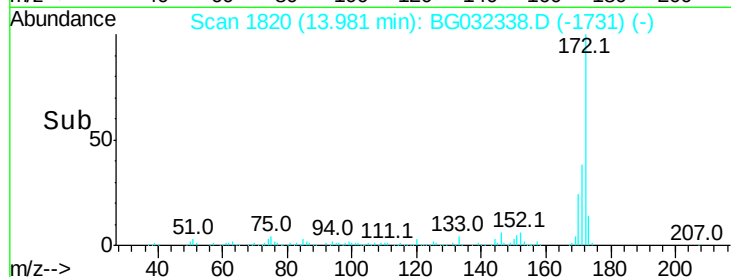
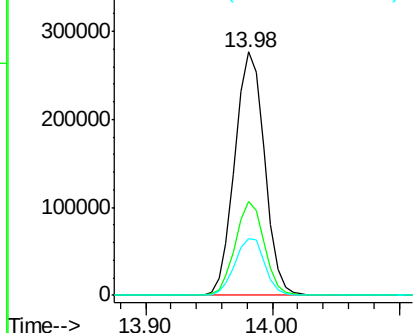
#44
2-Fluorobiphenyl
Concen: 61.516 ng
RT: 13.98 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BG032338.D
Acq: 26 Jan 2018 21:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 449421
Ion Ratio Lower Upper
172 100
171 38.4 30.0 45.0
170 23.5 19.5 29.3

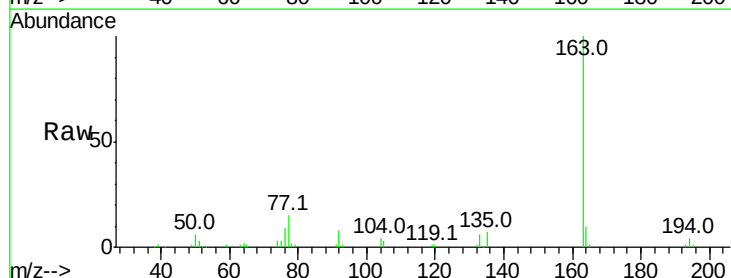


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

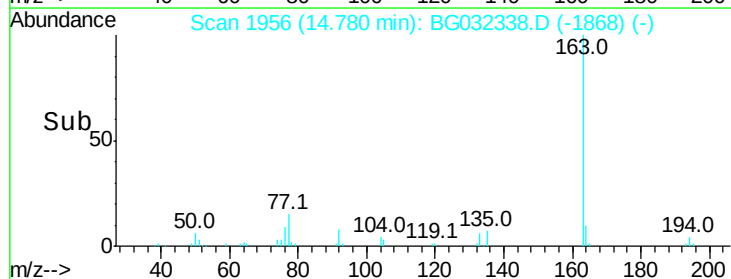
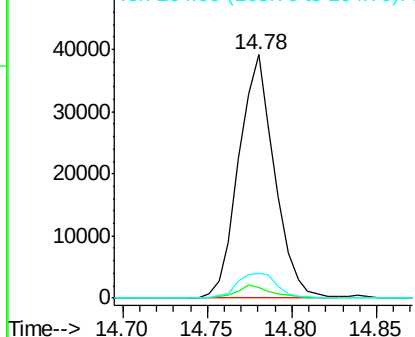


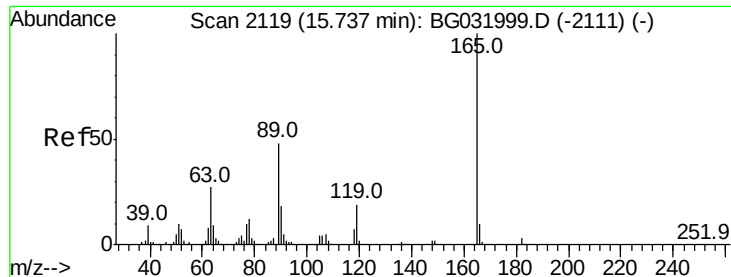
#49
Dimethylphthalate
Concen: 7.290 ng
RT: 14.78 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BG032338.D
Acq: 26 Jan 2018 21:15

Tgt Ion:163 Resp: 57788
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.1 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

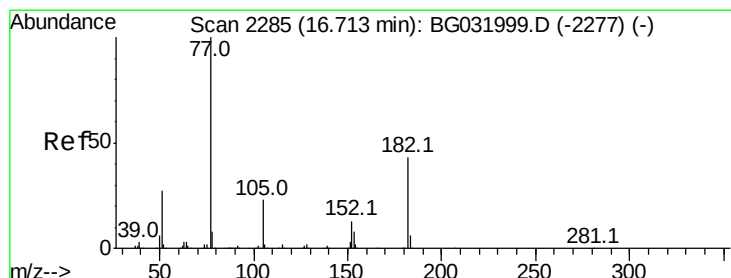
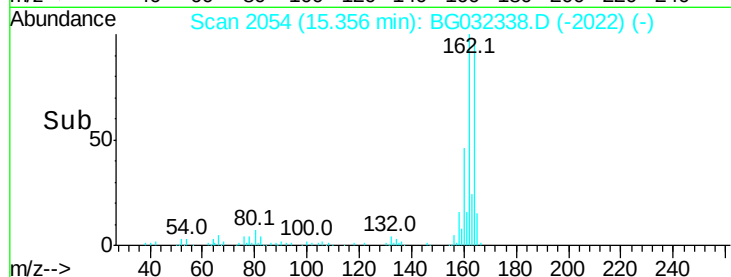
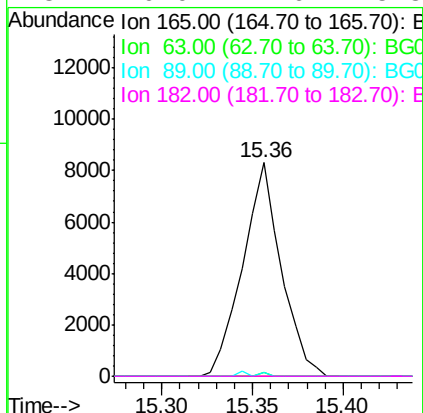
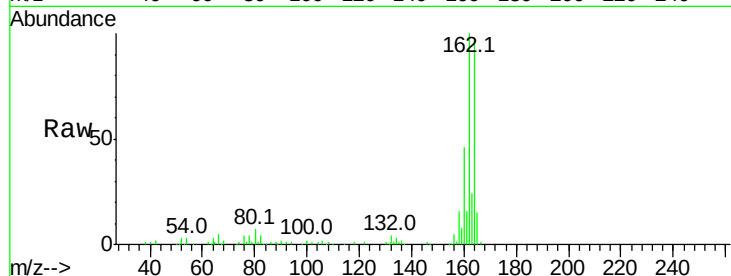




#56
 2,4-Dinitrotoluene
 Concen: 5.524 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.34 min
 Lab File: BG032338.D
 Acq: 26 Jan 2018 21:15

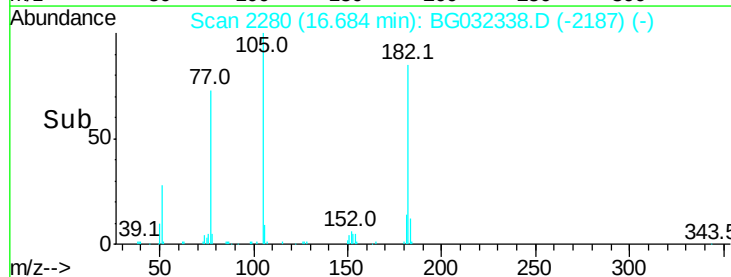
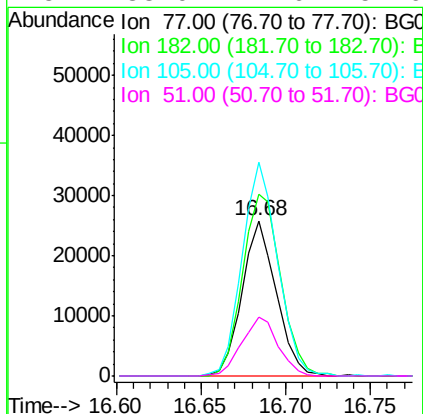
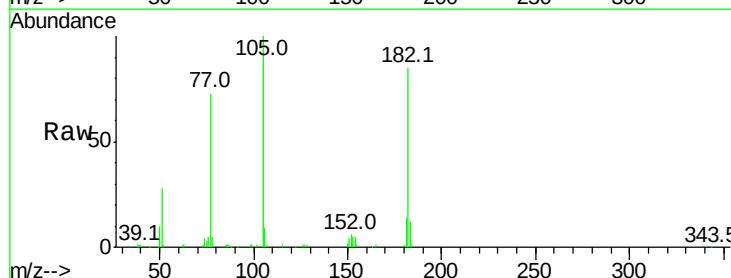
Instrument :
 BNA_G
 ClientSampleId :

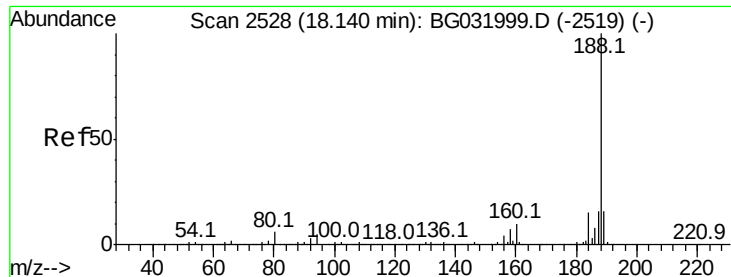
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	42.0	63.0#
89	1.8	66.9	100.3#
182	0.0	2.6	3.8#



#62
 Azobenzene
 Concen: 7.539 ng
 RT: 16.68 min Scan# 2280
 Delta R.T. 0.02 min
 Lab File: BG032338.D
 Acq: 26 Jan 2018 21:15

Tgt Ion	Ratio	Lower	Upper
77	100		
182	117.0	7.4	47.4#
105	137.7	0.3	40.3#
51	38.0	11.6	51.6

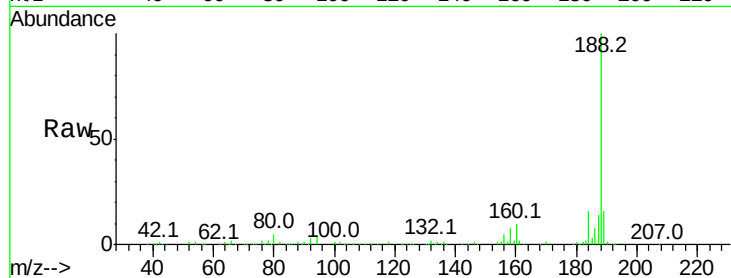




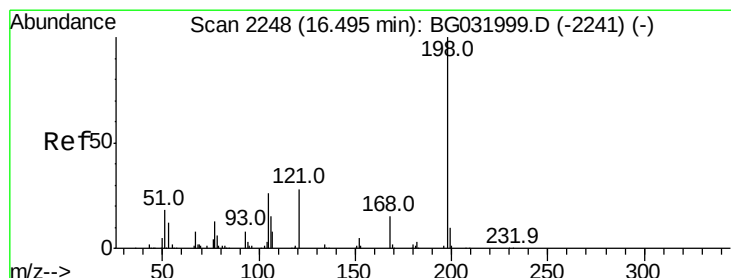
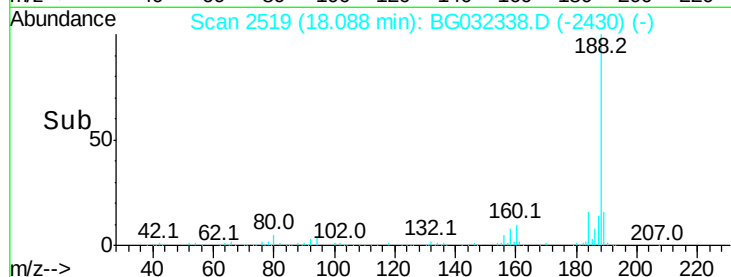
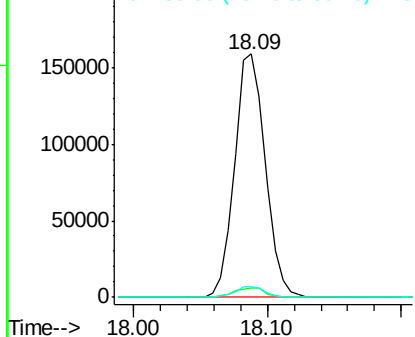
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BG032338.D
 Acq: 26 Jan 2018 21:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 253522
 Ion Ratio Lower Upper
 188 100
 94 4.0 6.9 10.3#
 80 4.6 7.7 11.5#

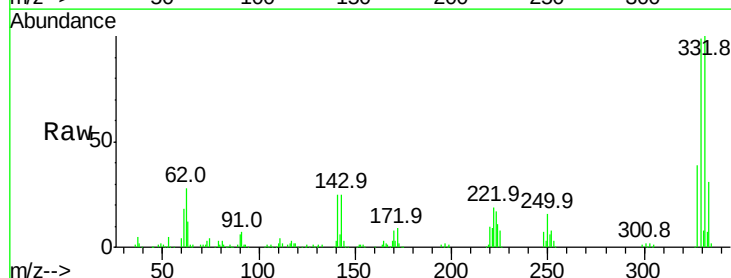


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

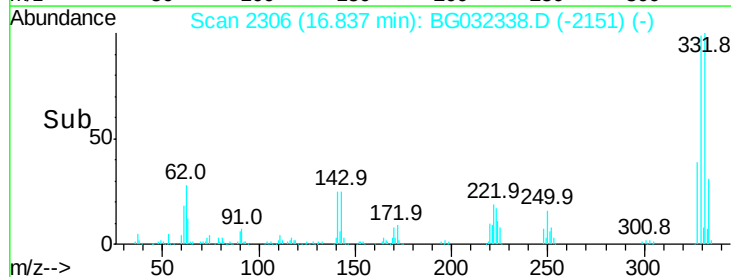
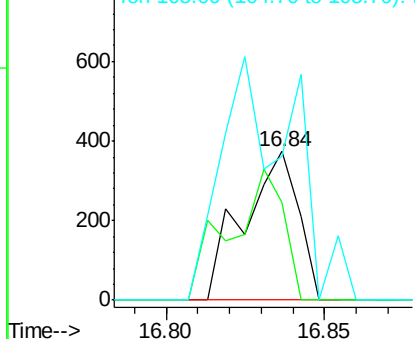


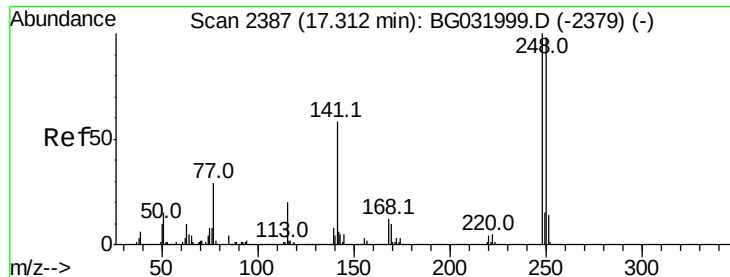
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.133 ng
 RT: 16.84 min Scan# 2306
 Delta R.T. 0.38 min
 Lab File: BG032338.D
 Acq: 26 Jan 2018 21:15

Tgt Ion:198 Resp: 449
 Ion Ratio Lower Upper
 198 100
 51 66.2 30.6 70.6
 105 96.8 23.8 63.8#



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

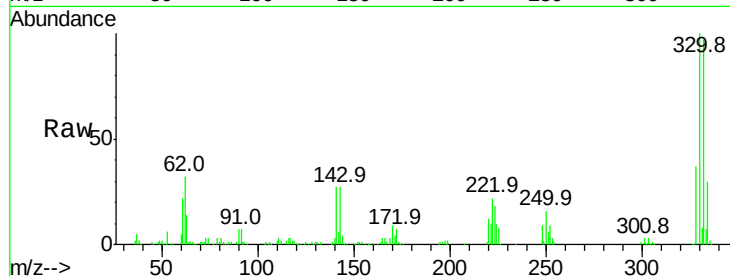




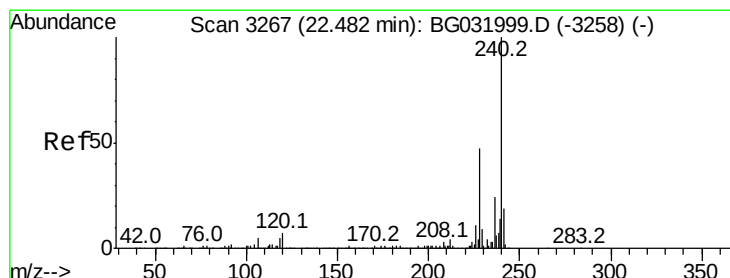
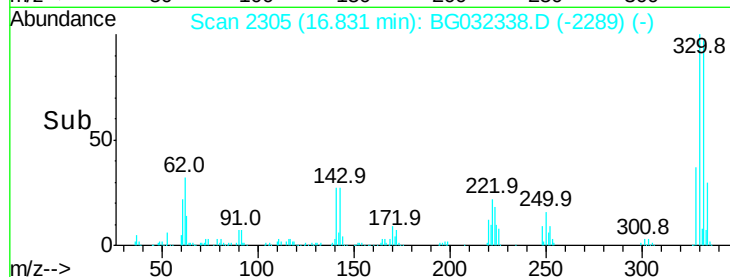
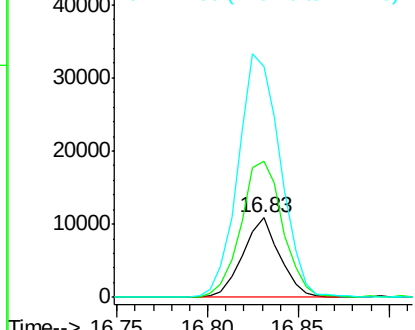
#66
4-Bromophenyl-phenylether
Concen: 4.260 ng
RT: 16.83 min Scan# 2305
Delta R.T. -0.44 min
Lab File: BG032338.D
Acq: 26 Jan 2018 21:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 15367
Ion Ratio Lower Upper
248 100
250 172.2 77.1 115.7#
141 292.2 50.8 76.2#

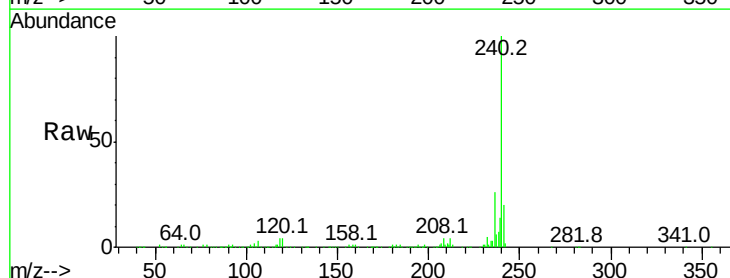


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

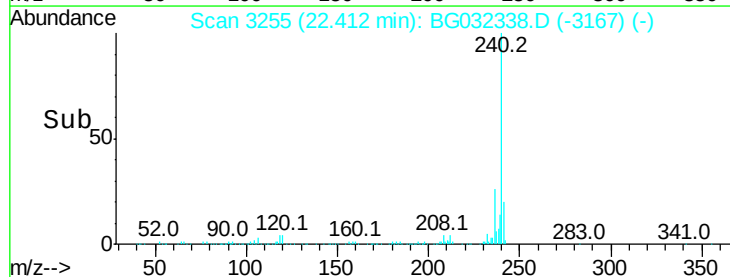
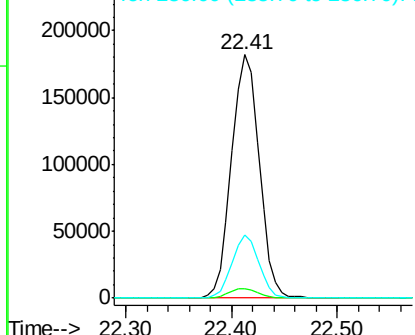


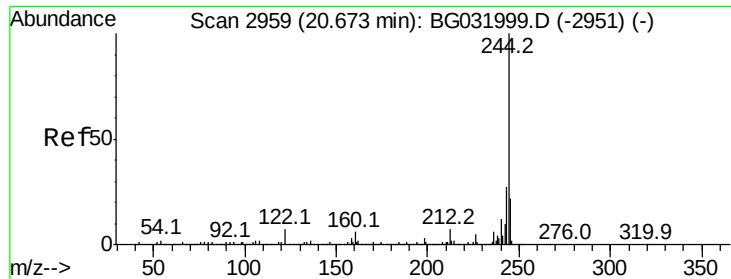
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.41 min Scan# 3255
Delta R.T. -0.01 min
Lab File: BG032338.D
Acq: 26 Jan 2018 21:15

Tgt Ion:240 Resp: 330265
Ion Ratio Lower Upper
240 100
120 3.8 6.8 10.2#
236 26.2 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

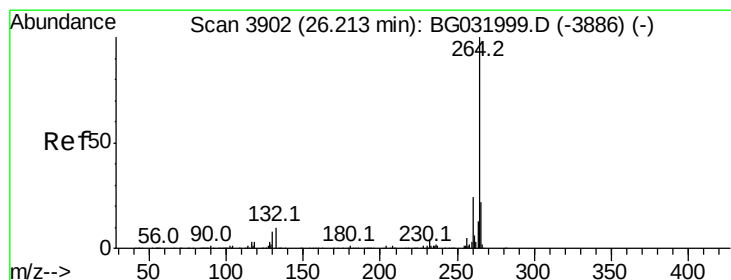
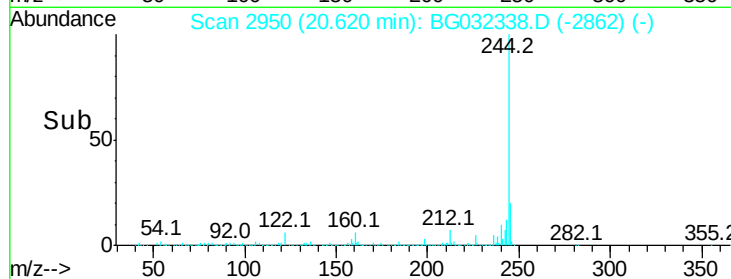
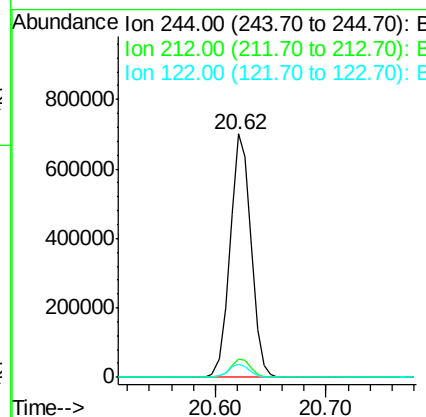
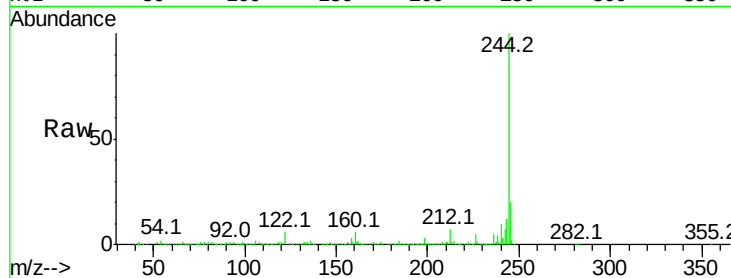




#78
 Terphenyl-d14
 Concen: 62.207 ng
 RT: 20.62 min Scan# 2950
 Delta R.T. -0.01 min
 Lab File: BG032338.D
 Acq: 26 Jan 2018 21:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 930447
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.8
 122 5.6 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.09 min Scan# 3881
 Delta R.T. -0.02 min
 Lab File: BG032338.D
 Acq: 26 Jan 2018 21:15

Tgt Ion:264 Resp: 343003
 Ion Ratio Lower Upper
 264 100
 260 21.5 17.4 26.0
 265 20.4 17.7 26.5

