

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010918\
 Data File : BG031973.D
 Acq On : 10 Jan 2018 8:56
 Operator : SJ/JU
 Sample : J1057-03
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 10 09:48:08 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 05 15:31:34 2018
 Response via : Initial Calibration

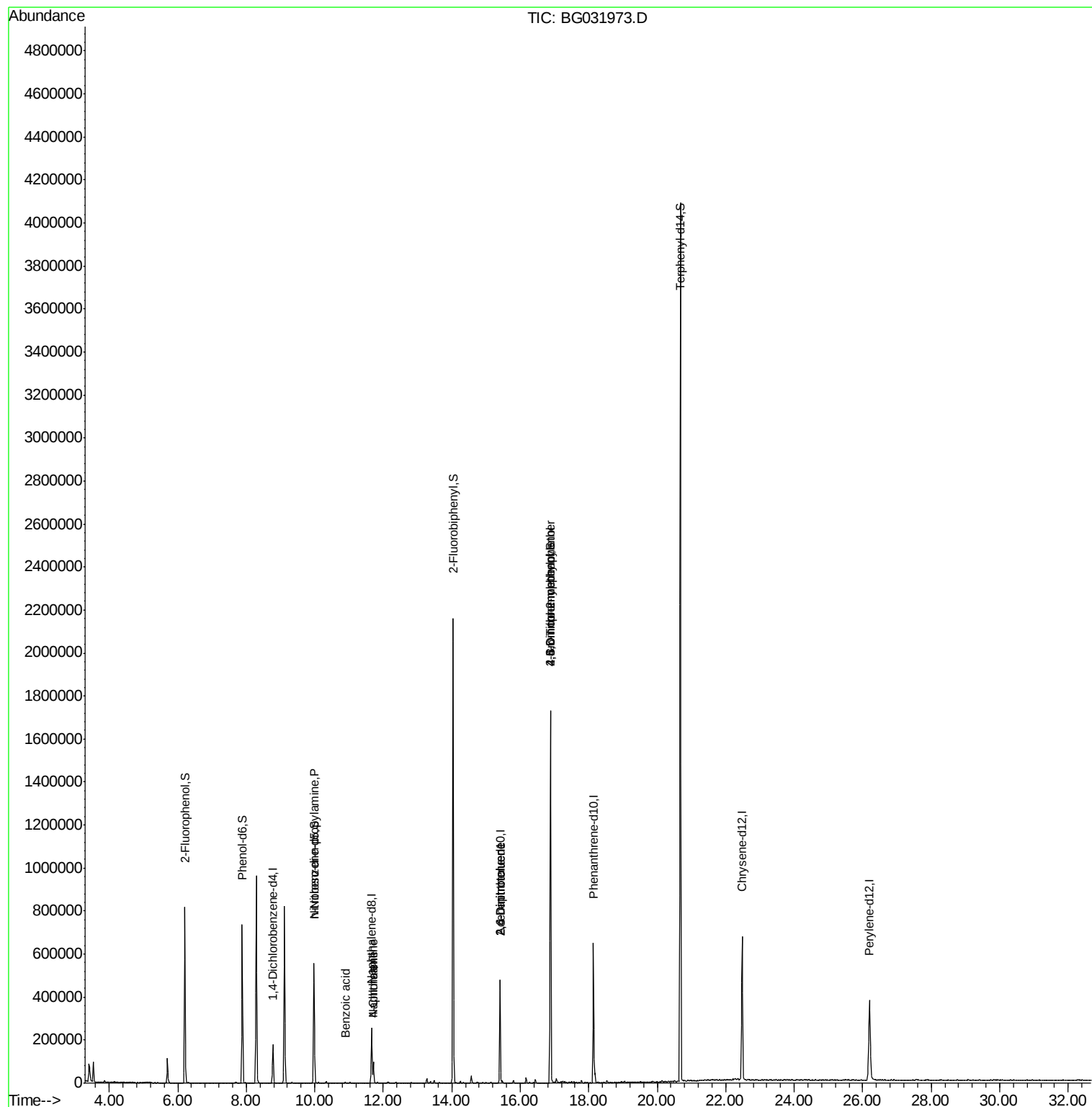
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	62015	20.00	ng	0.00
21) Naphthalene-d8	11.66	136	260161	20.00	ng	-0.01
38) Acenaphthene-d10	15.41	164	180747	20.00	ng	-0.02
63) Phenanthrene-d10	18.14	188	460452	20.00	ng	-0.02
75) Chrysene-d12	22.48	240	513227	20.00	ng	-0.04
86) Perylene-d12	26.20	264	510607	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	6.21	112	440157	129.27	ng	0.00
7) Phenol-d6	7.88	99	514237	116.33	ng	0.00
23) Nitrobenzene-d5	9.98	82	370825	107.63	ng	-0.01
41) 2,4,6-Tribromophenol	16.88	330	424273	153.84	ng	-0.02
44) 2-Fluorobiphenyl	14.04	172	1331314	92.45	ng	-0.01
78) Terphenyl-d14	20.67	244	2168992	96.55	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.98	70	49839	16.509	ng	Qvalue # 72
31) Naphthalene	11.71	128	94678	7.211	ng	# 98
32) Benzoic acid	10.89	122	129	6.736	ng	# 70
33) 4-Chloroaniline	11.71	127	13096	2.240	ng	# 29
50) 2,6-Dinitrotoluene	15.41	165	23852	8.143	ng	# 19
56) 2,4-Dinitrotoluene	15.41	165	23852	6.332	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.88	198	927	8.648	ng	# 10
66) 4-Bromophenyl-phenylether	16.88	248	33671	5.057	ng	# 1

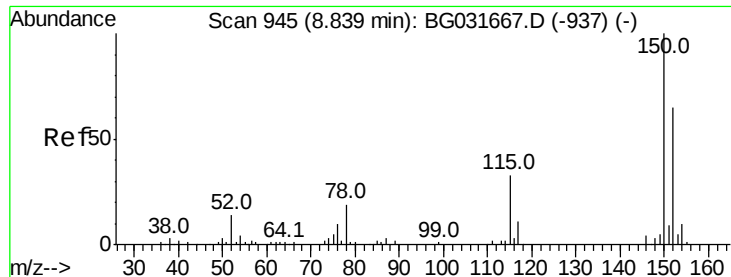
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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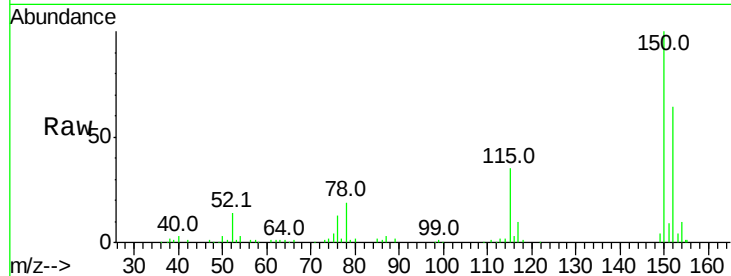


#1

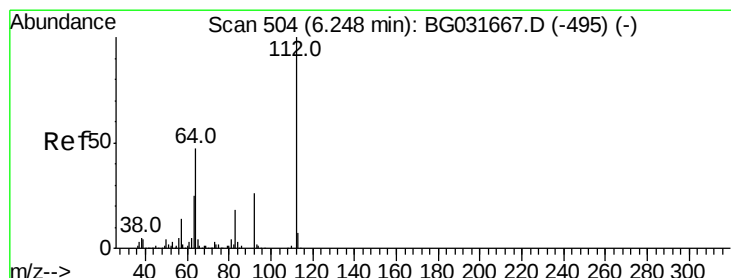
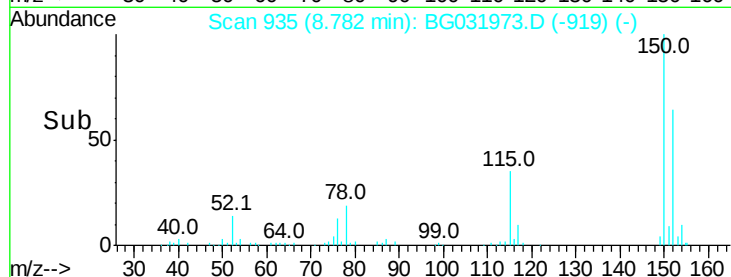
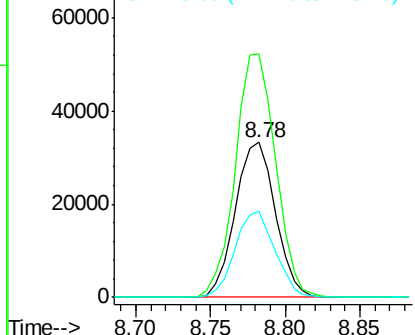
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.78 min Scan# 935
Delta R.T. -0.01 min
Lab File: BG031973.D
Acq: 10 Jan 2018 8:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	126.6	189.8
115	55.3	53.0	79.4



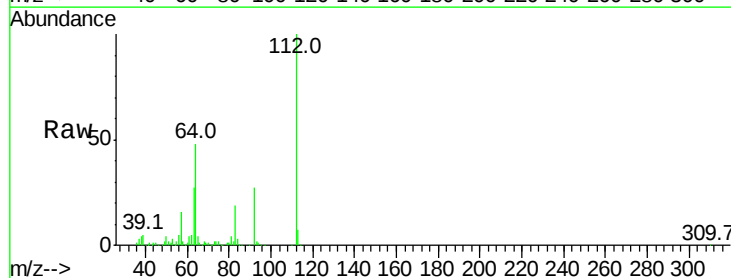
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



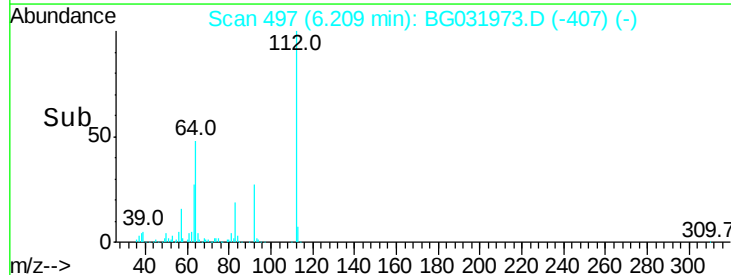
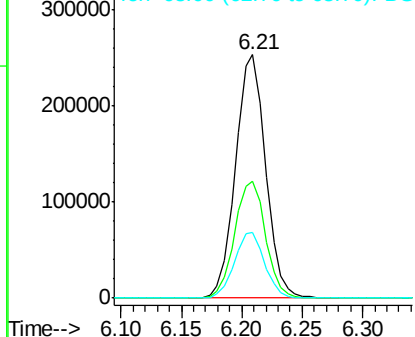
#5

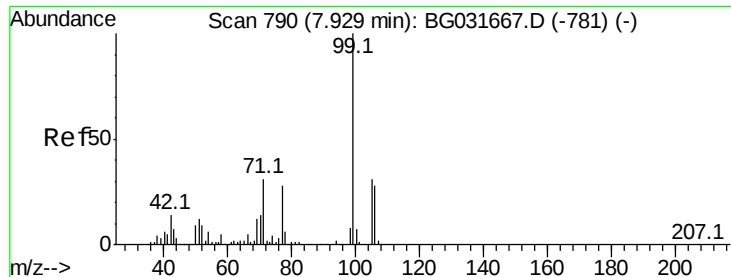
2-Fluorophenol
Concen: 129.274 ng
RT: 6.21 min Scan# 497
Delta R.T. -0.00 min
Lab File: BG031973.D
Acq: 10 Jan 2018 8:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.0	56.3	84.5#
63	26.9	30.1	45.1#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 116.328 ng

RT: 7.88 min Scan# 782

Delta R.T. -0.01 min

Lab File: BG031973.D

Acq: 10 Jan 2018 8:56

Instrument :

BNA_G

ClientSampleId :

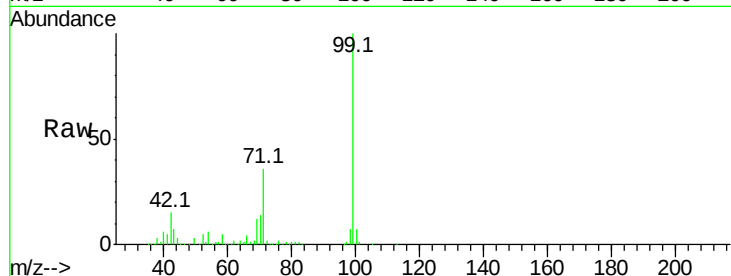
Tot Ion: 99 Resp: 514237

Ion Ratio Lower Upper

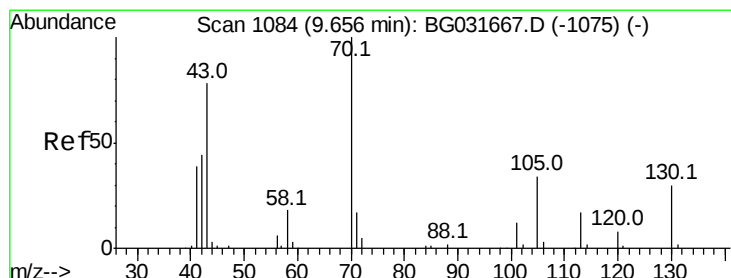
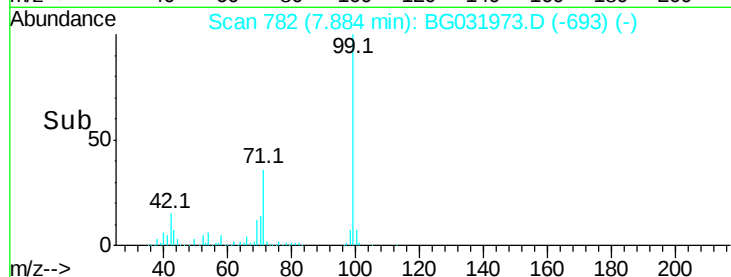
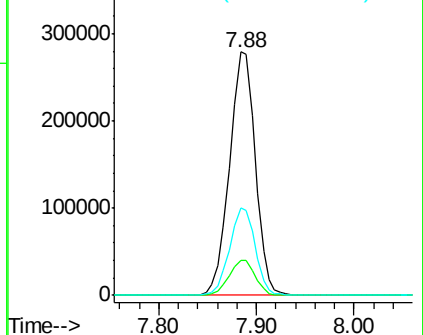
99 100

42 14.6 14.1 21.1

71 35.9 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.509 ng

RT: 9.98 min Scan# 1138

Delta R.T. 0.37 min

Lab File: BG031973.D

Acq: 10 Jan 2018 8:56

Tgt Ion: 70 Resp: 49839

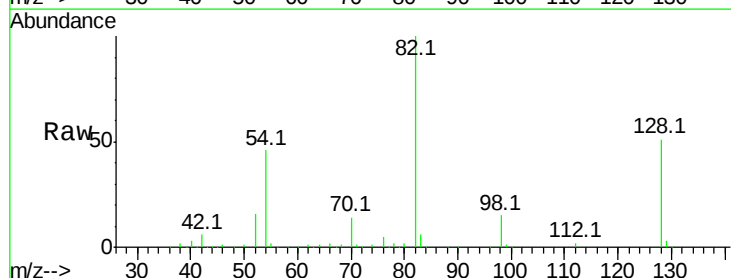
Ion Ratio Lower Upper

70 100

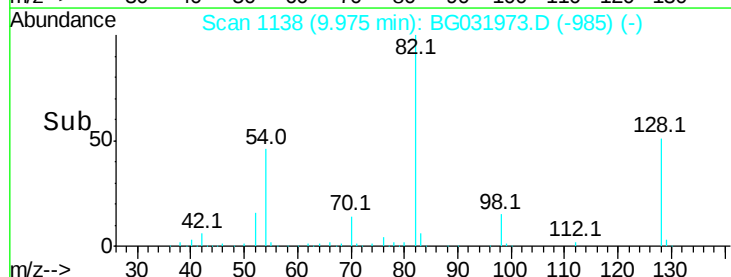
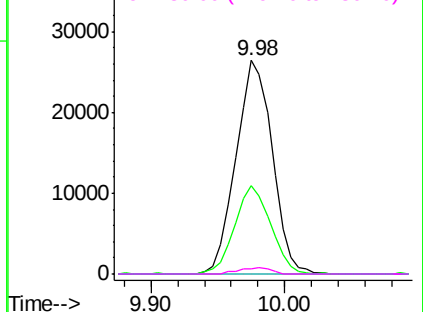
42 41.3 49.1 73.7#

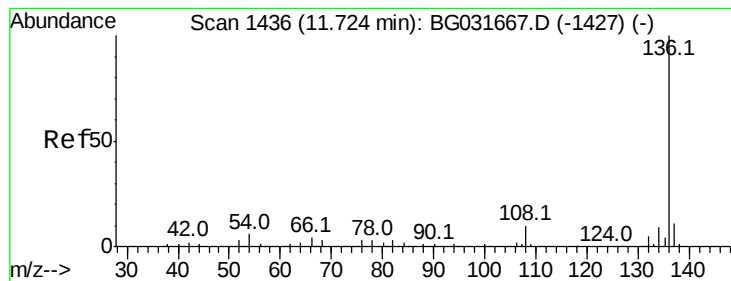
101 0.0 8.5 12.7#

130 2.3 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: 11.66 min Scan# 1425

Delta R.T. -0.01 min

Lab File: BG031973.D

Acq: 10 Jan 2018 8:56

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 260161

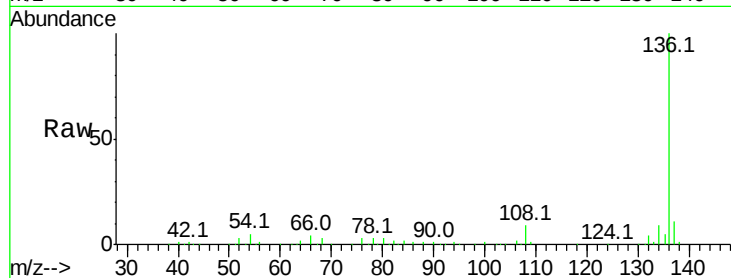
Ion Ratio Lower Upper

136 100

137 10.6 9.2 13.8

54 5.1 10.3 15.5#

68 3.5 4.5 6.7#

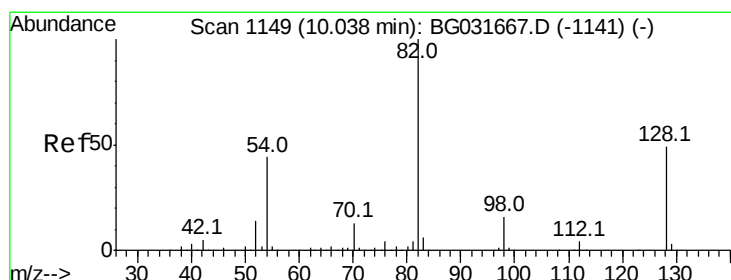
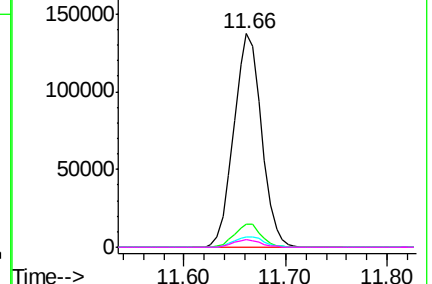
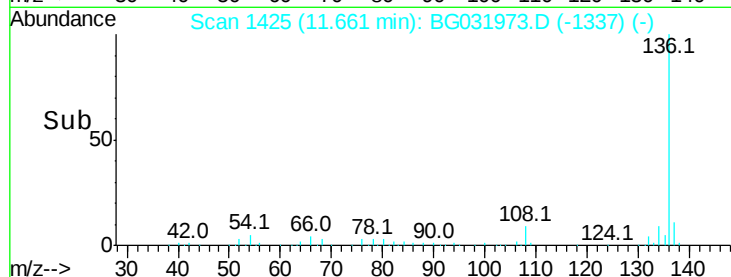


Abundance Ion 136.00 (135.70 to 136.70): E

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: 107.633 ng

RT: 9.98 min Scan# 1138

Delta R.T. -0.01 min

Lab File: BG031973.D

Acq: 10 Jan 2018 8:56

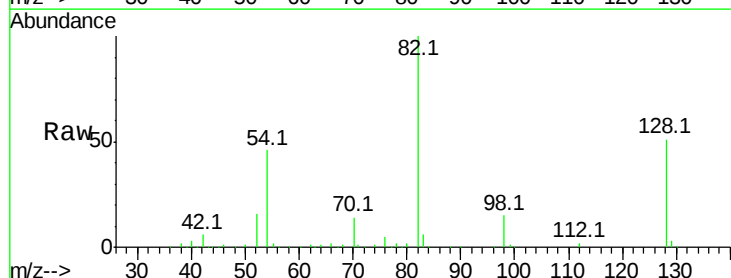
Tgt Ion: 82 Resp: 370825

Ion Ratio Lower Upper

82 100

128 51.2 29.7 44.5#

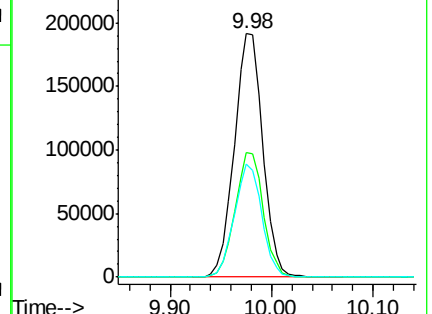
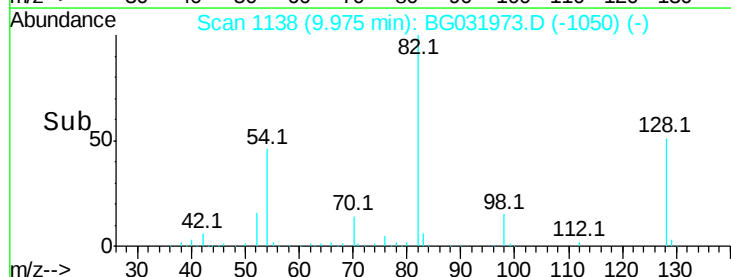
54 46.3 43.1 64.7

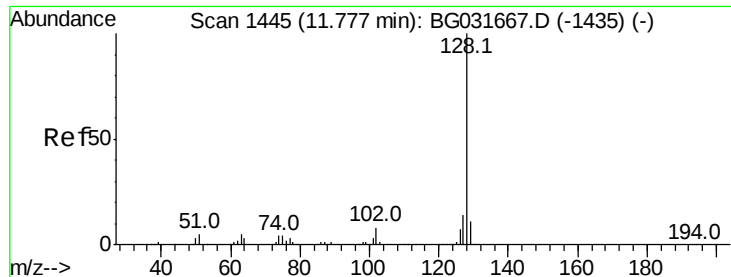


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

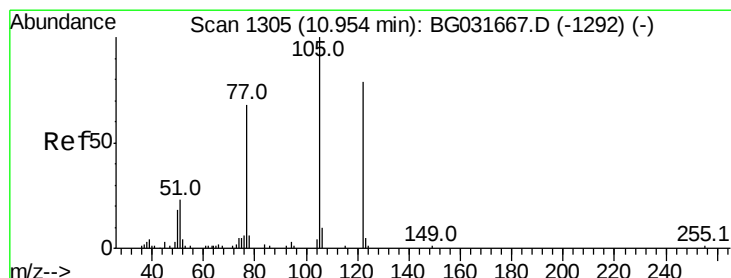
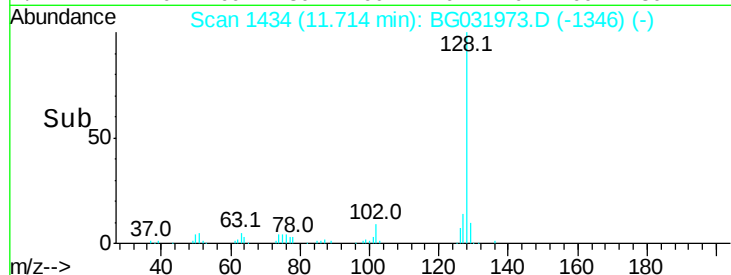
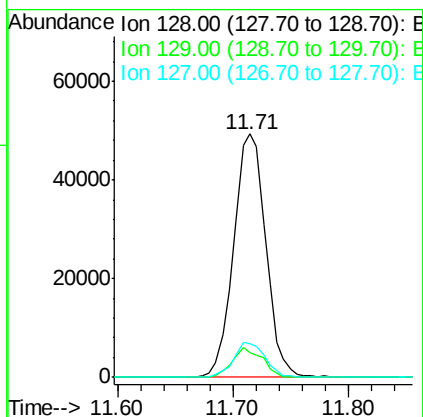
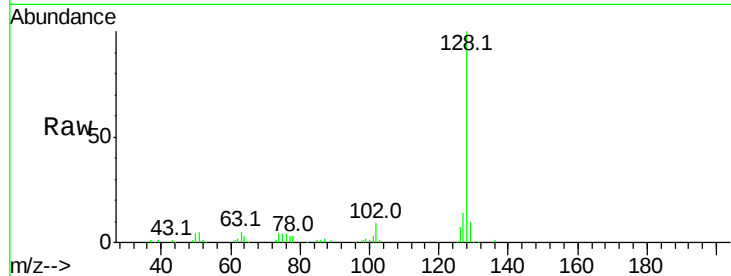




#31
Naphthalene
Concen: 7.211 ng
RT: 11.71 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BG031973.D
Acq: 10 Jan 2018 8:56

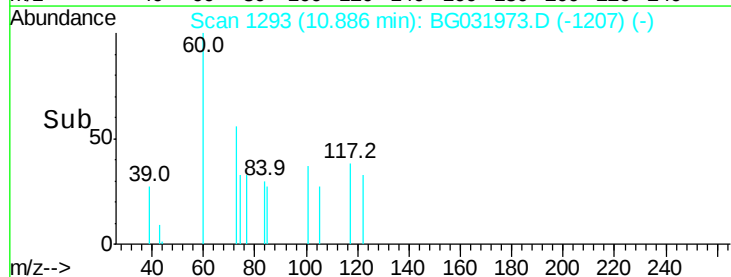
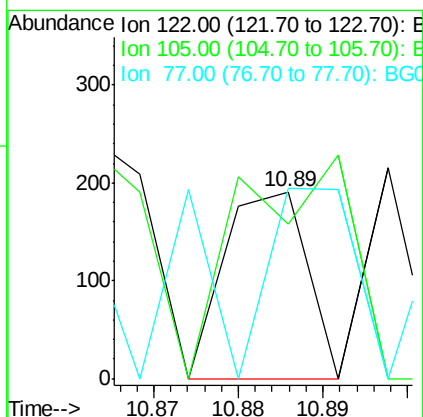
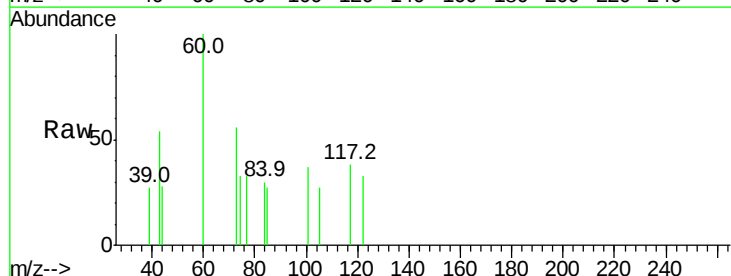
Instrument :
BNA_G
ClientSampleId :

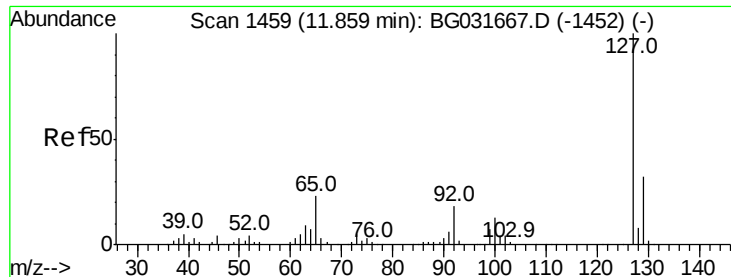
Tot Ion:128 Resp: 94678
Ion Ratio Lower Upper
128 100
129 10.1 8.6 12.8
127 13.7 11.6 17.4



#32
Benzoic acid
Concen: 6.736 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.02 min
Lab File: BG031973.D
Acq: 10 Jan 2018 8:56

Tgt Ion:122 Resp: 129
Ion Ratio Lower Upper
122 100
105 82.7 123.5 163.5#
77 102.1 85.7 125.7

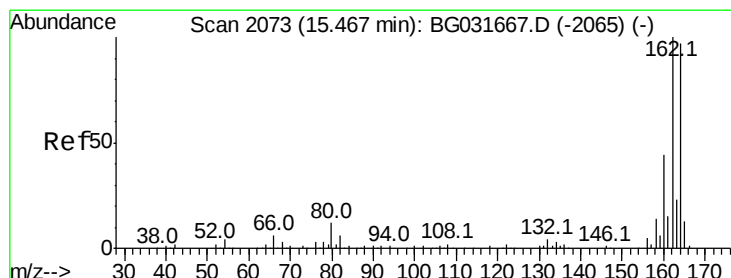
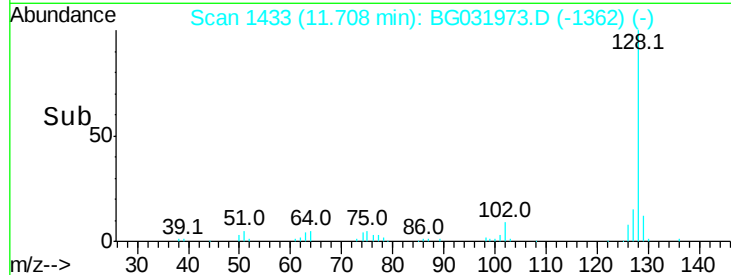
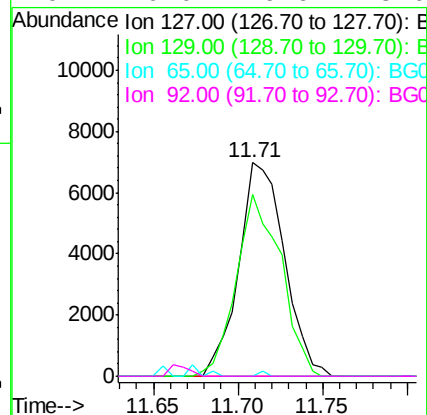
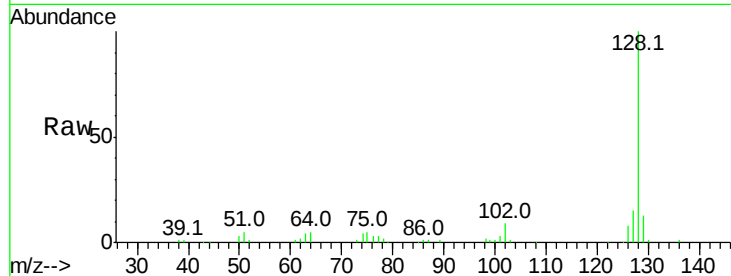




#33
4-Chloroaniline
Concen: 2.240 ng
RT: 11.71 min Scan# 1433
Delta R.T. -0.11 min
Lab File: BG031973.D
Acq: 10 Jan 2018 8:56

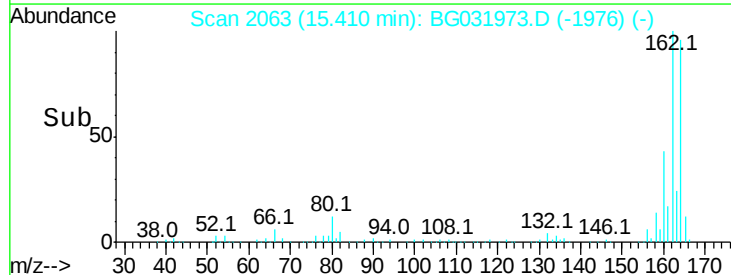
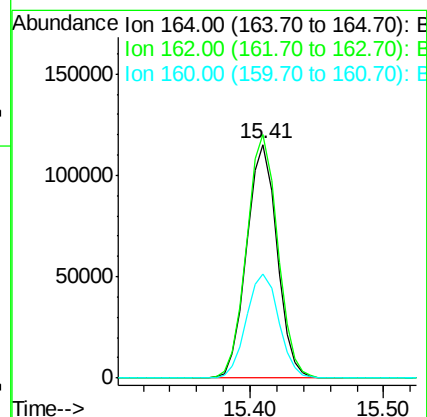
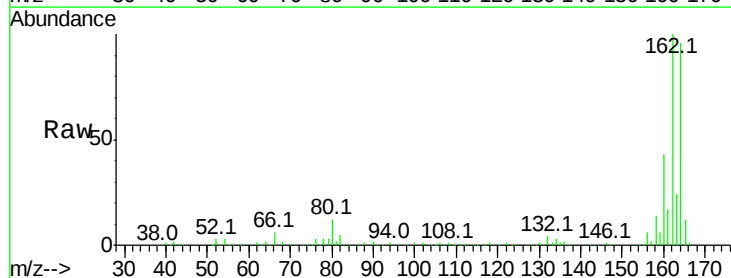
Instrument :
BNA_G
ClientSampled :

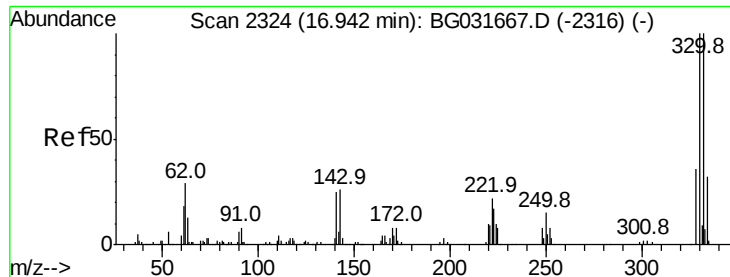
Tot Ion:	127	Resp:	13096
Ion	Ratio	Lower	Upper
127	100		
129	85.2	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.41 min Scan# 2063
Delta R.T. -0.02 min
Lab File: BG031973.D
Acq: 10 Jan 2018 8:56

Tgt Ion:	164	Resp:	180747
Ion	Ratio	Lower	Upper
164	100		
162	104.1	78.8	118.2
160	44.6	35.4	53.0

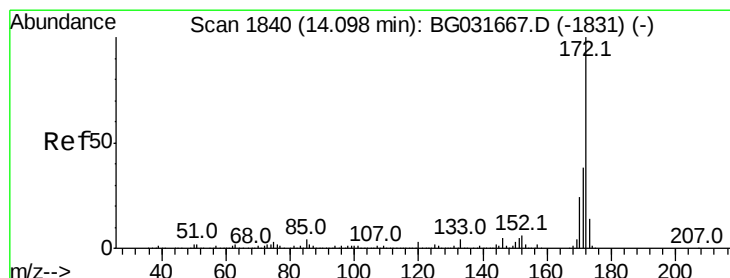
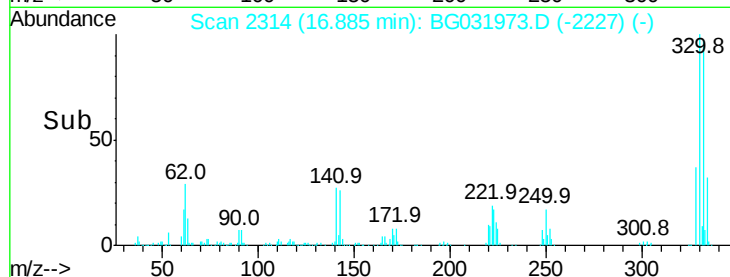
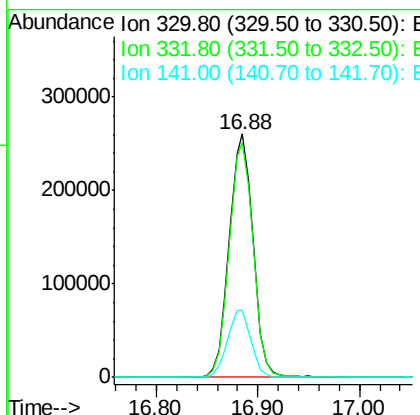
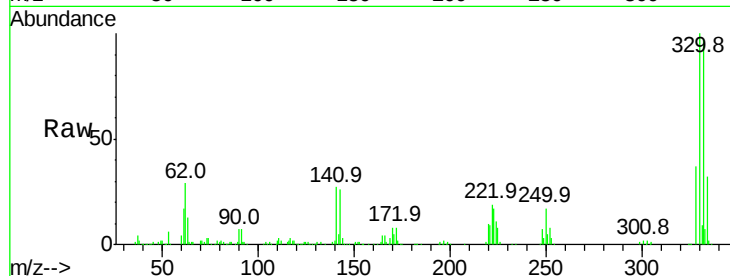




#41
 2,4,6-Tribromophenol
 Concen: 153.836 ng
 RT: 16.88 min Scan# 2314
 Delta R.T. -0.02 min
 Lab File: BG031973.D
 Acq: 10 Jan 2018 8:56

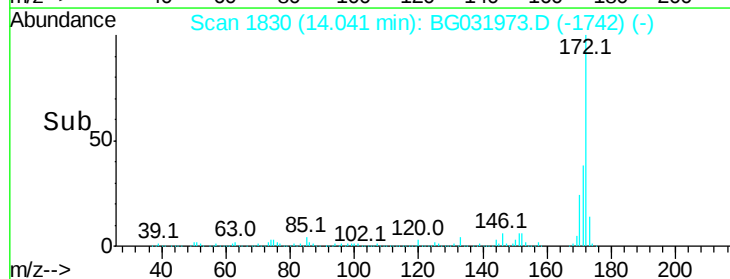
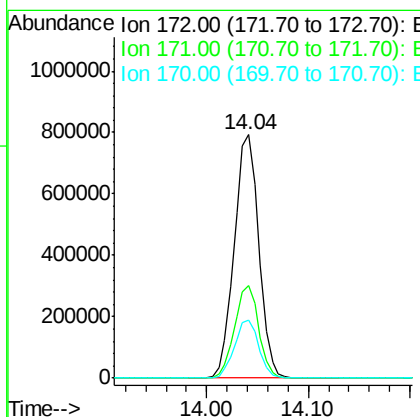
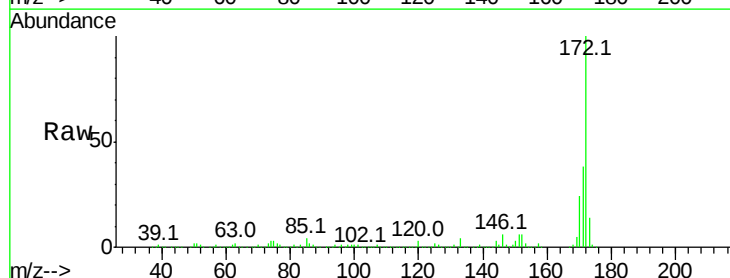
Instrument :
 BNA_G
 ClientSampleId :

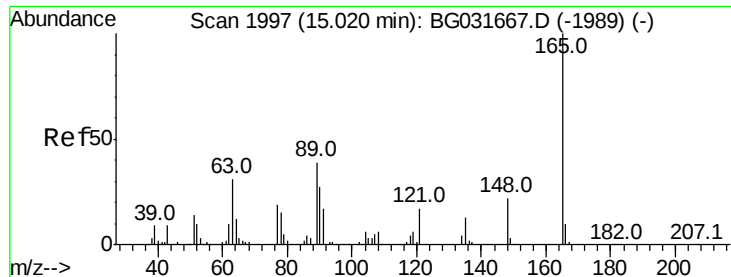
Tot Ion:330 Resp: 424273
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 27.3 25.2 37.8



#44
 2-Fluorobiphenyl
 Concen: 92.448 ng
 RT: 14.04 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BG031973.D
 Acq: 10 Jan 2018 8:56

Tgt Ion:172 Resp: 1331314
 Ion Ratio Lower Upper
 172 100
 171 37.9 30.0 45.0
 170 23.9 19.5 29.3

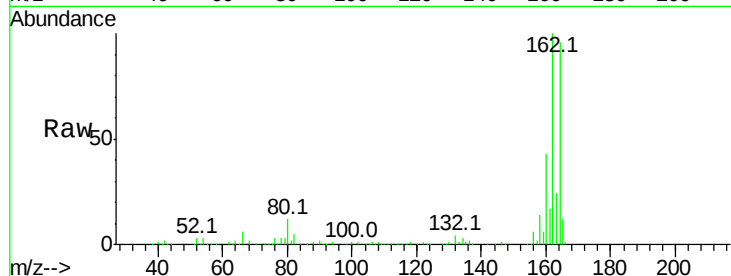




#50
2,6-Dinitrotoluene
Concen: 8.143 ng
RT: 15.41 min Scan# 2063
Delta R.T. 0.43 min
Lab File: BG031973.D
Acq: 10 Jan 2018 8:56

Instrument :
BNA_G
ClientSampleId :

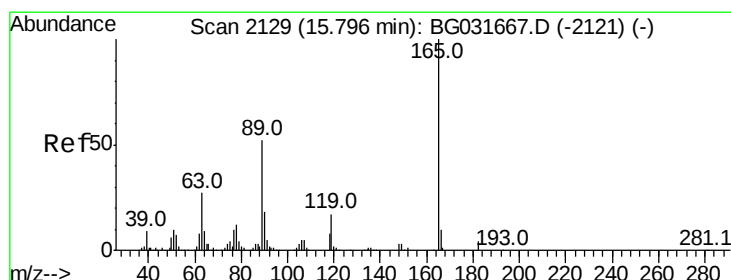
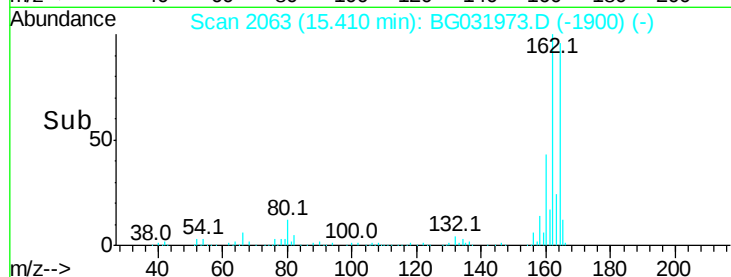
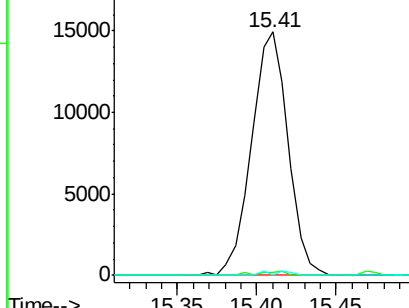
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	52.7	79.1#
89	0.0	49.2	73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

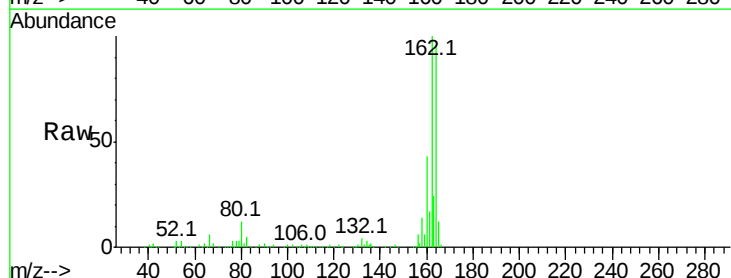
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#56
2,4-Dinitrotoluene
Concen: 6.332 ng
RT: 15.41 min Scan# 2063
Delta R.T. -0.35 min
Lab File: BG031973.D
Acq: 10 Jan 2018 8:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

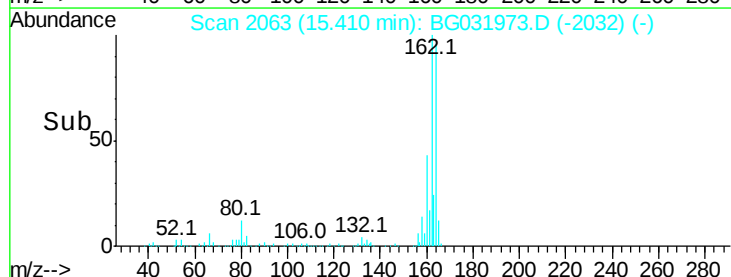
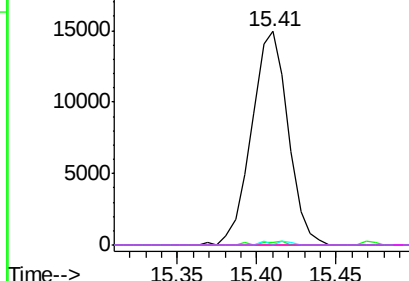


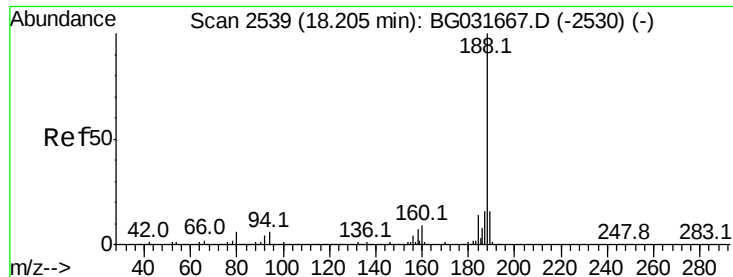
Abundance Ion 165.00 (164.70 to 165.70): E

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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.14 min Scan# 2527

Delta R.T. -0.02 min

Lab File: BG031973.D

Acq: 10 Jan 2018 8:56

Instrument :

BNA_G

ClientSampleId :

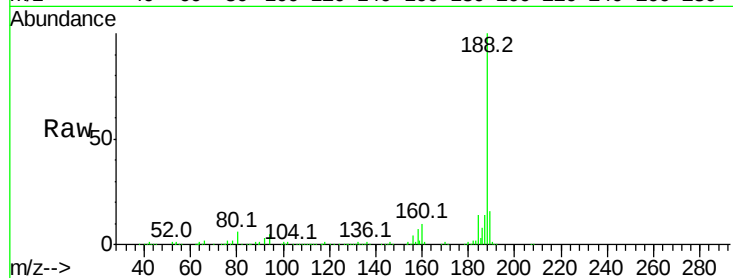
Tot Ion:188 Resp: 460452

Ion Ratio Lower Upper

188 100

94 5.5 6.9 10.3#

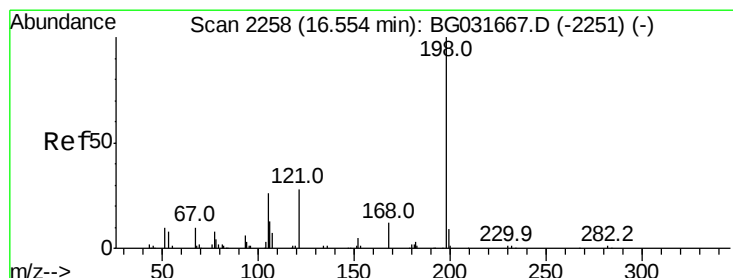
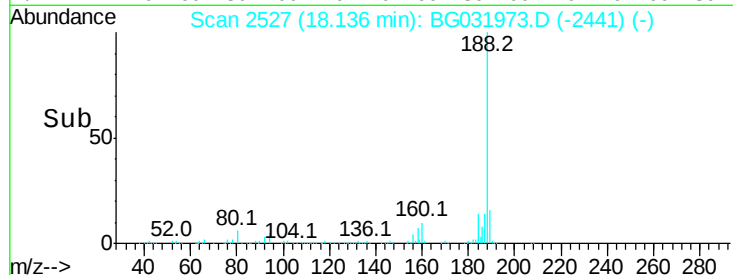
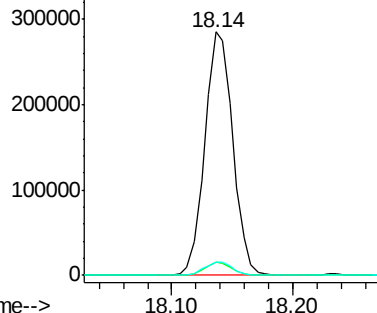
80 5.6 7.7 11.5#



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: 8.648 ng

RT: 16.88 min Scan# 2314

Delta R.T. 0.37 min

Lab File: BG031973.D

Acq: 10 Jan 2018 8:56

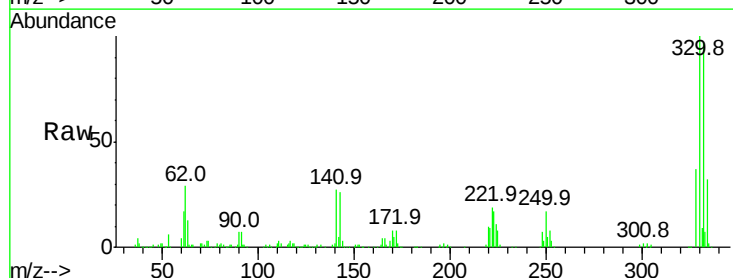
Tgt Ion:198 Resp: 927

Ion Ratio Lower Upper

198 100

51 99.6 30.6 70.6#

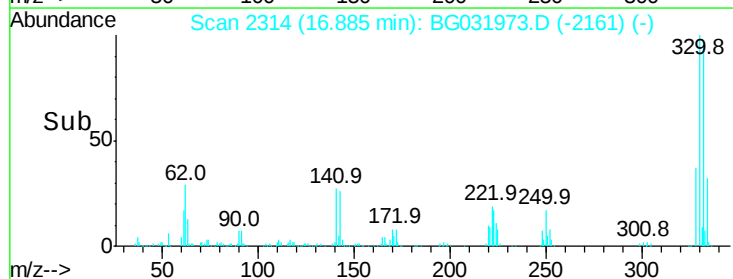
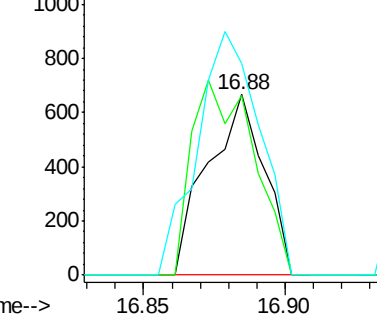
105 116.9 23.8 63.8#

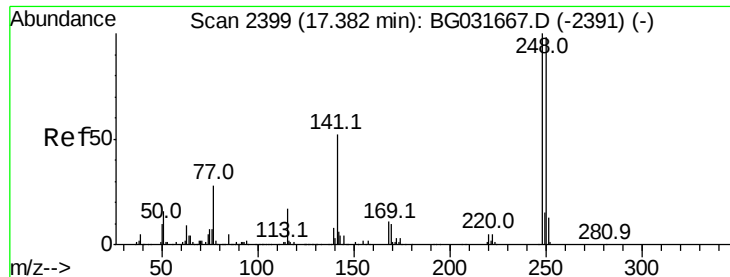


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

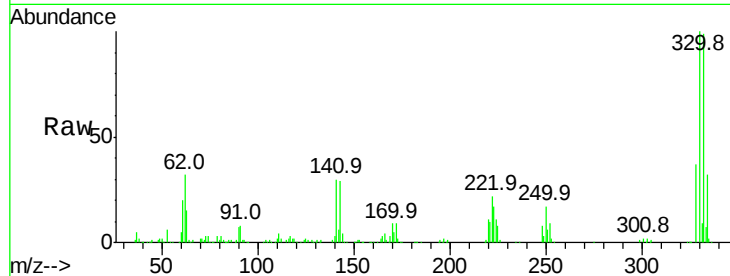




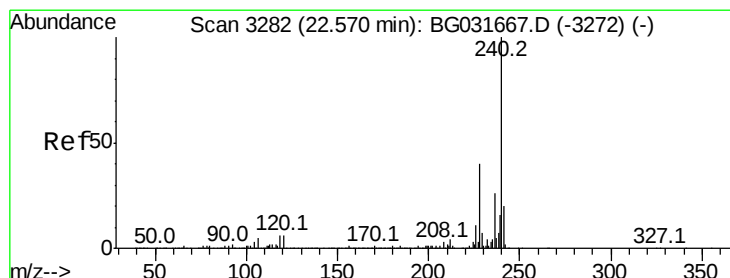
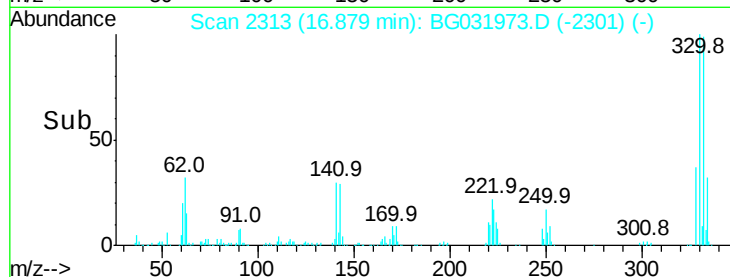
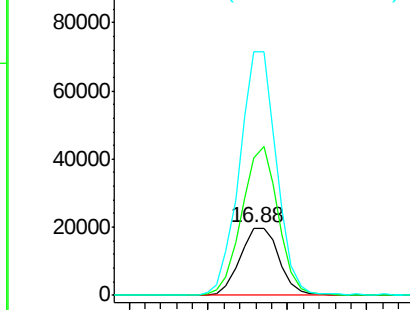
#66
 4-Bromophenyl-phenylether
 Concen: 5.057 ng
 RT: 16.88 min Scan# 2313
 Delta R.T. -0.46 min
 Lab File: BG031973.D
 Acq: 10 Jan 2018 8:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 33671
 Ion Ratio Lower Upper
 248 100
 250 204.1 77.1 115.7#
 141 363.3 50.8 76.2#

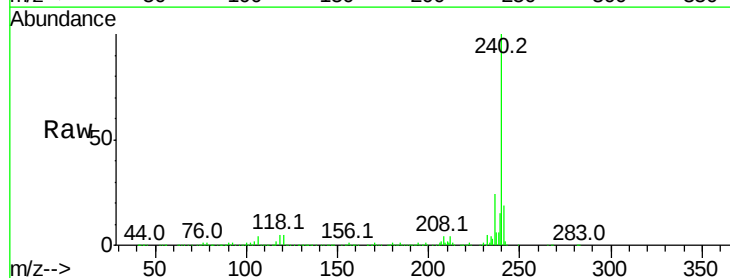


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

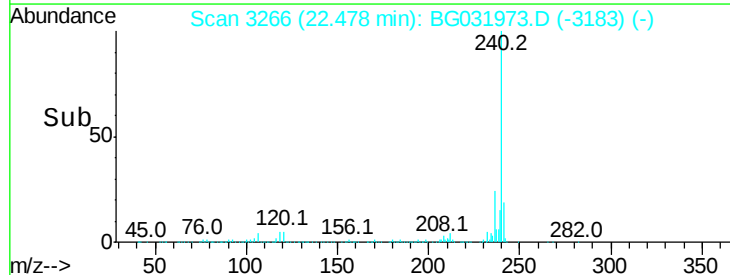
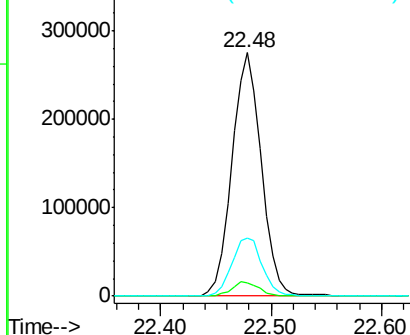


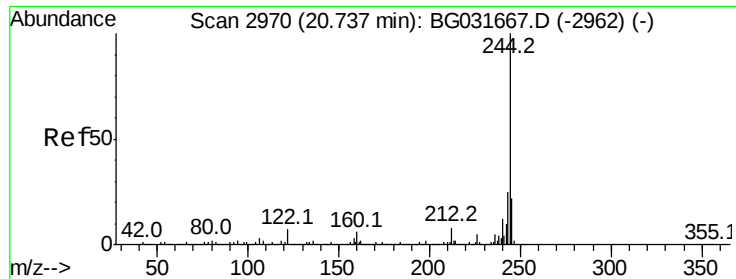
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.48 min Scan# 3266
 Delta R.T. -0.04 min
 Lab File: BG031973.D
 Acq: 10 Jan 2018 8:56

Tgt Ion:240 Resp: 513227
 Ion Ratio Lower Upper
 240 100
 120 5.5 6.8 10.2#
 236 23.9 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: 96.553 ng

RT: 20.67 min Scan# 2959

Delta R.T. -0.02 min

Lab File: BG031973.D

Acq: 10 Jan 2018 8:56

Instrument :

BNA_G

ClientSampleId :

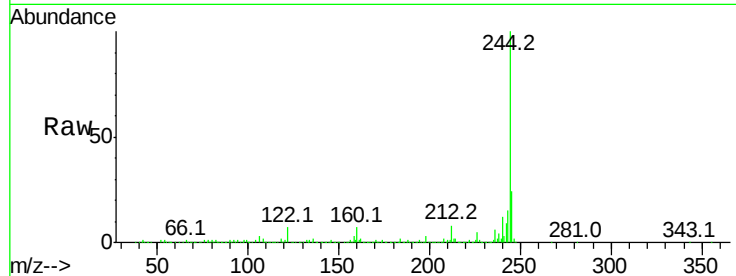
Tot Ion:244 Resp: 2168992

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

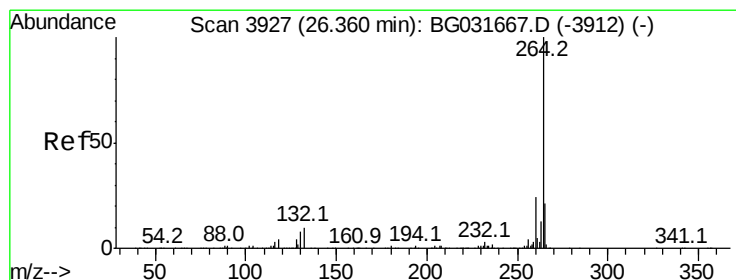
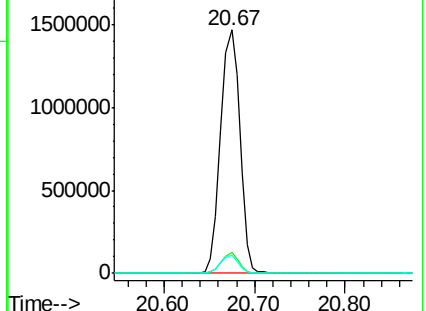
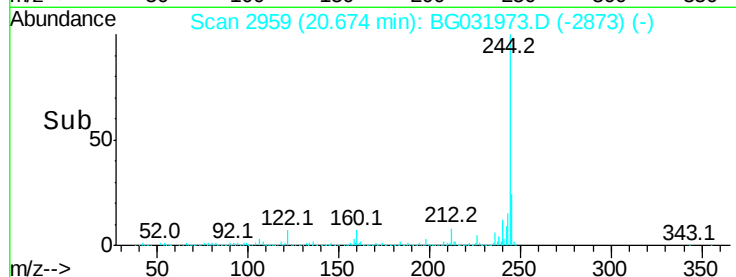
122 7.5 7.0 10.4



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: 26.20 min Scan# 3899

Delta R.T. -0.10 min

Lab File: BG031973.D

Acq: 10 Jan 2018 8:56

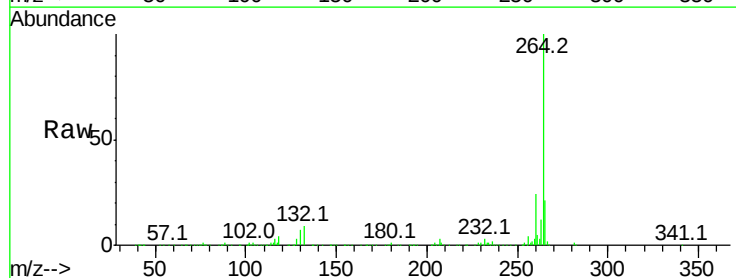
Tgt Ion:264 Resp: 510607

Ion Ratio Lower Upper

264 100

260 24.1 17.4 26.0

265 21.5 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

