

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080818\
 Data File : BG036229.D
 Acq On : 9 Aug 2018 12:24
 Operator : JU/SJ
 Sample : J4330-10
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 073018-TIPC-F-U-S

Quant Time: Aug 09 13:00:13 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

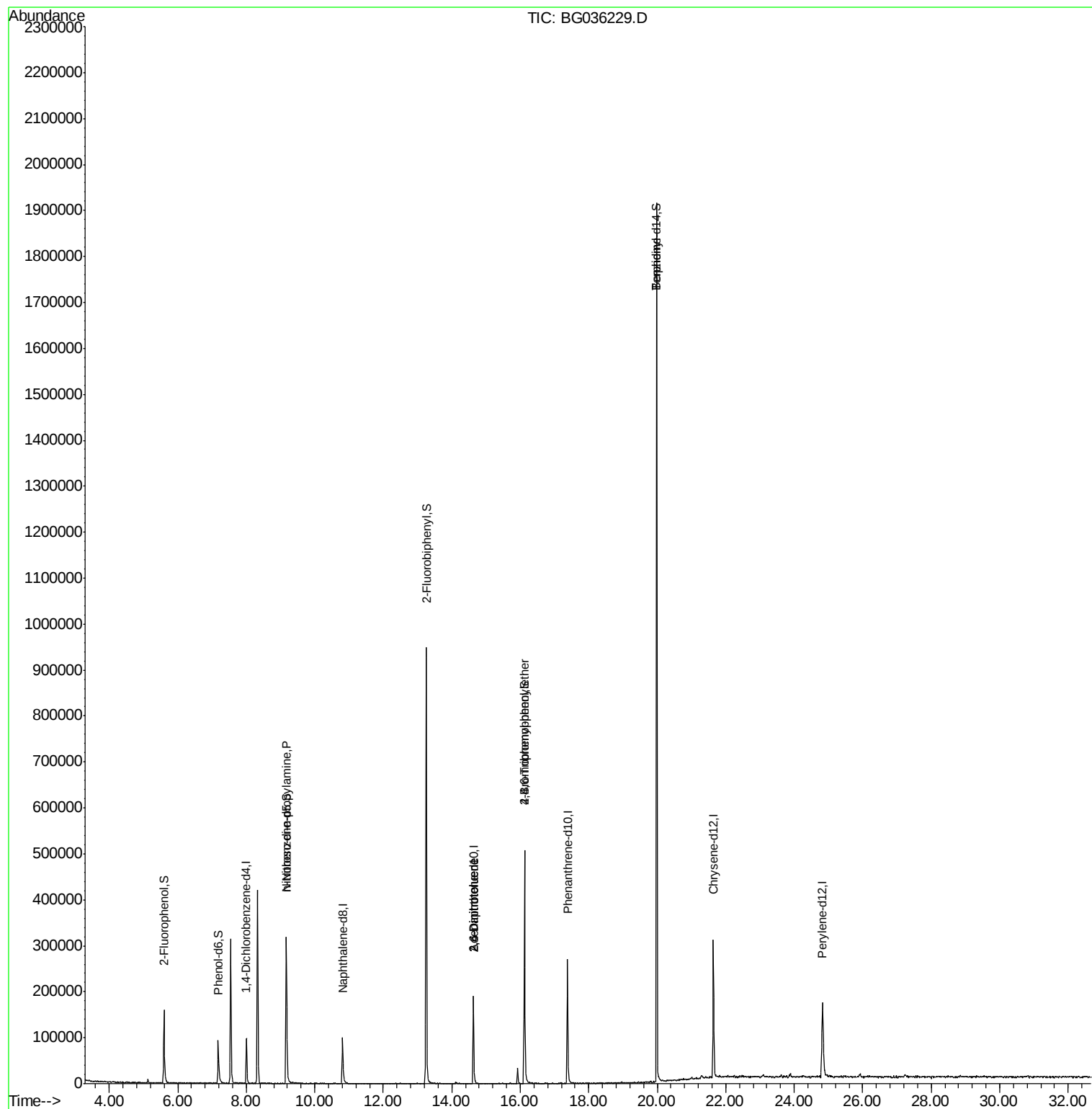
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	29229	20.00	ng	-0.02
21) Naphthalene-d8	10.81	136	100532	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	75349	20.00	ng	-0.02
63) Phenanthrene-d10	17.38	188	208211	20.00	ng	-0.01
75) Chrysene-d12	21.64	240	220260	20.00	ng	-0.02
86) Perylene-d12	24.83	264	206365	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	77974	44.29	ng	0.00
7) Phenol-d6	7.18	99	67750	25.79	ng	-0.01
23) Nitrobenzene-d5	9.17	82	245137	101.86	ng	-0.02
41) 2,4,6-Tribromophenol	16.12	330	108054	108.80	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	561728	99.88	ng	-0.02
78) Terphenyl-d14	19.98	244	965038	96.58	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	34217	15.470	ng	# 70
50) 2,6-Dinitrotoluene	14.63	165	9101	6.770	ng	# 18
56) 2,4-Dinitrotoluene	14.63	165	9101	4.719	ng	# 16
66) 4-Bromophenyl-phenylether	16.12	248	8483	3.512	ng	# 1
76) Benzidine	19.98	184	15780	2.725	ng	96

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

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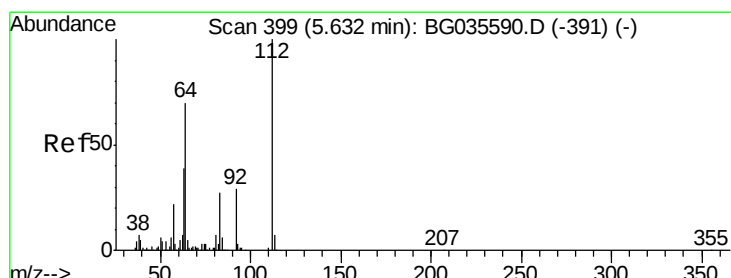
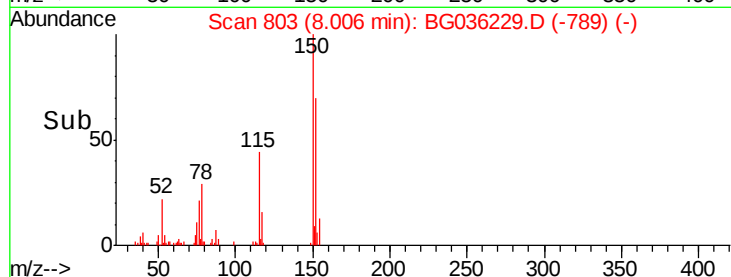
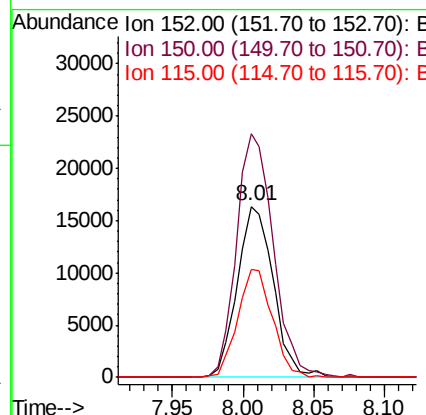
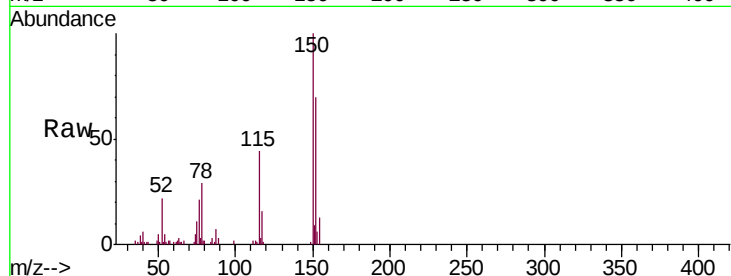




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.01 min Scan# 803
 Delta R.T. -0.02 min
 Lab File: BG036229.D
 Acq: 9 Aug 2018 12:24

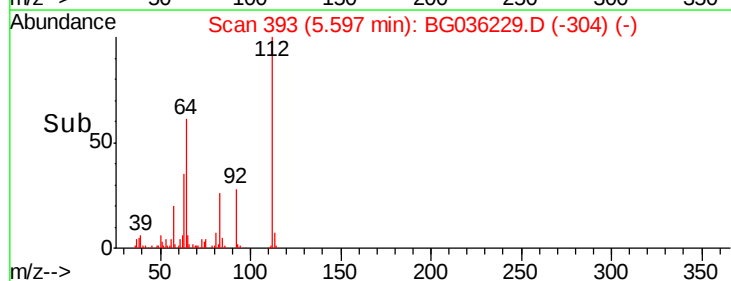
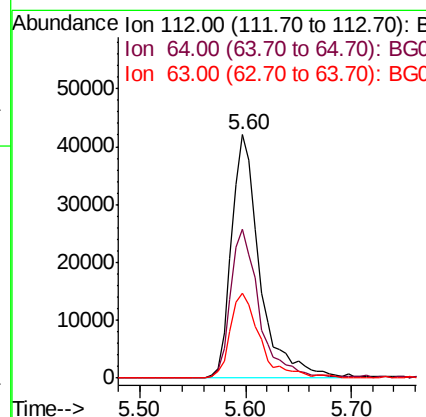
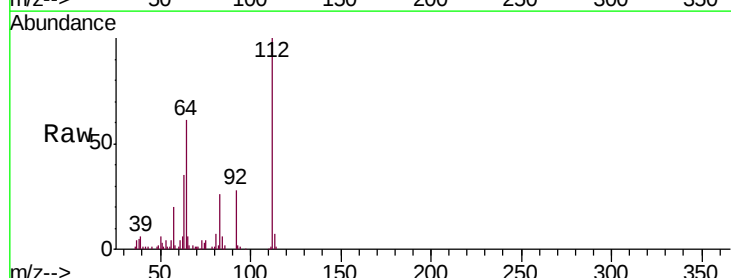
Instrument :
 BNA_G
 ClientSampleId :
 073018-TIPC-F-U-S

Tgt Ion:152 Resp: 29229
 Ion Ratio Lower Upper
 152 100
 150 142.5 126.6 189.8
 115 63.0 53.0 79.4



#5
 2-Fluorophenol
 Concen: 44.290 ng
 RT: 5.60 min Scan# 393
 Delta R.T. -0.01 min
 Lab File: BG036229.D
 Acq: 9 Aug 2018 12:24

Tgt Ion:112 Resp: 77974
 Ion Ratio Lower Upper
 112 100
 64 61.3 56.3 84.5
 63 34.7 30.1 45.1





#7

Phenol-d6

Concen: 25.793 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036229.D

Acq: 9 Aug 2018 12:24

Instrument :

BNA_G

ClientSampleId :

073018-TIPC-F-U-S

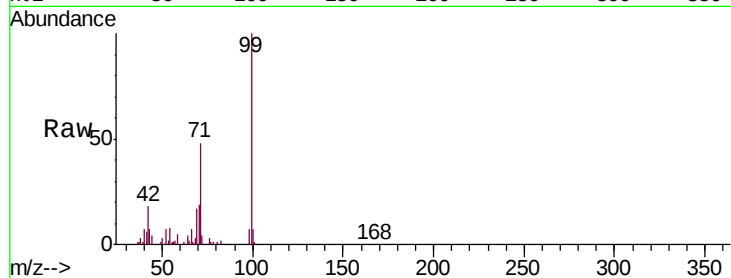
Tgt Ion: 99 Resp: 67750

Ion Ratio Lower Upper

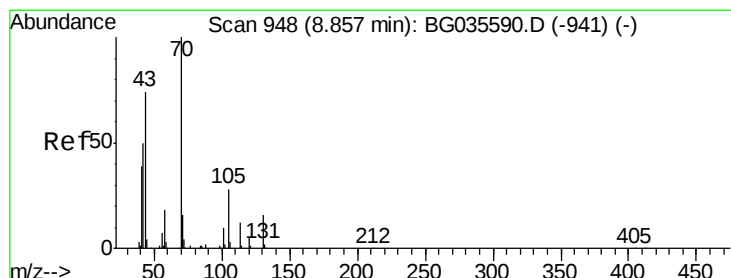
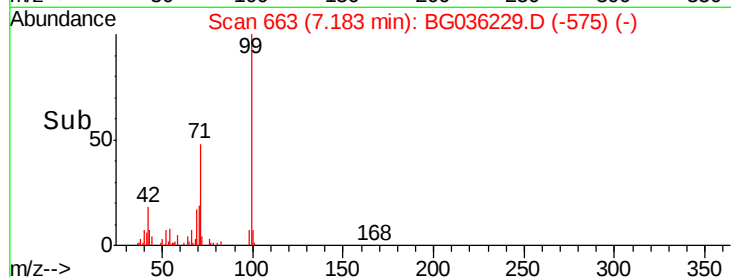
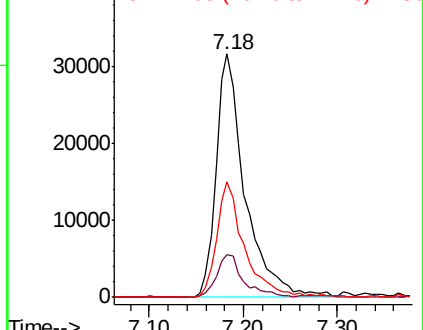
99 100

42 17.6 14.1 21.1

71 47.6 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: 15.470 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.34 min

Lab File: BG036229.D

Acq: 9 Aug 2018 12:24

Tgt Ion: 70 Resp: 34217

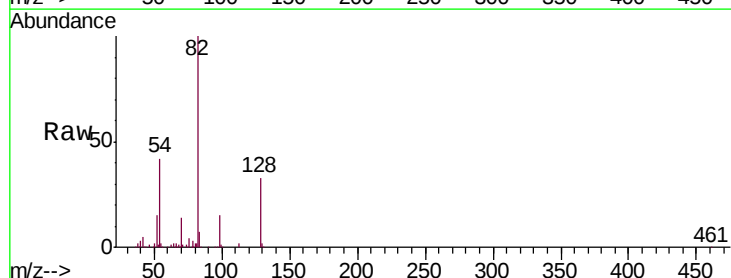
Ion Ratio Lower Upper

70 100

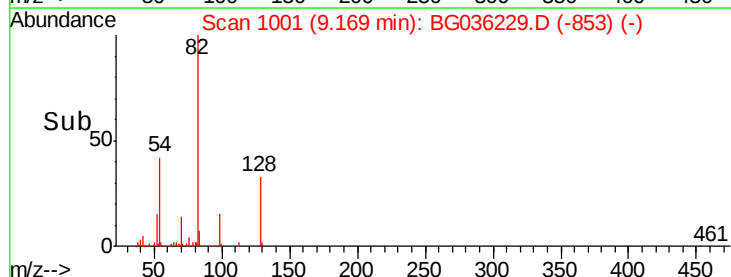
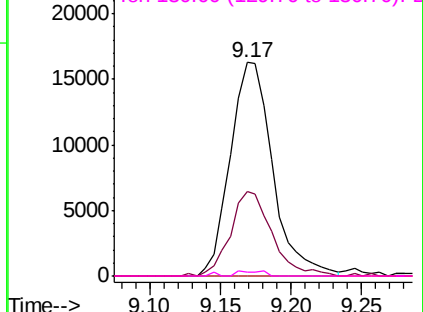
42 39.5 49.1 73.7#

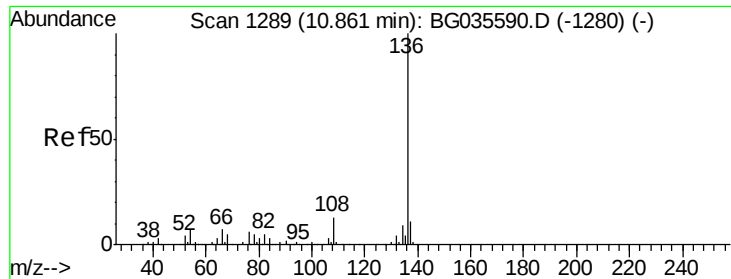
101 0.0 8.5 12.7#

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

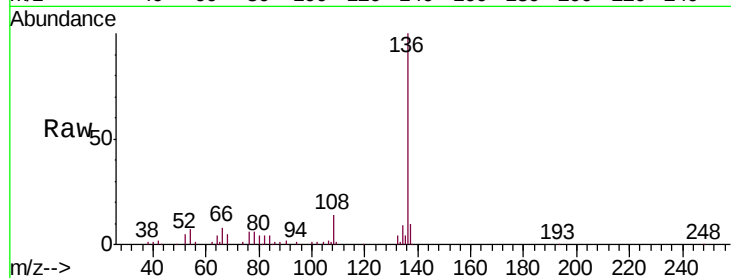




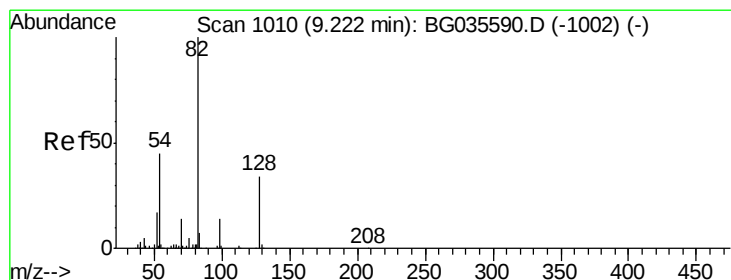
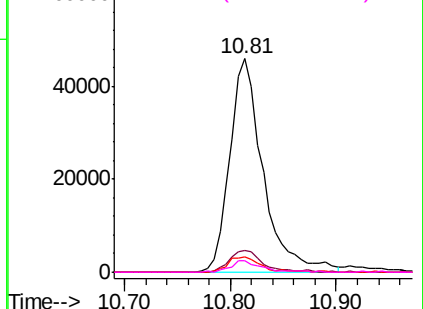
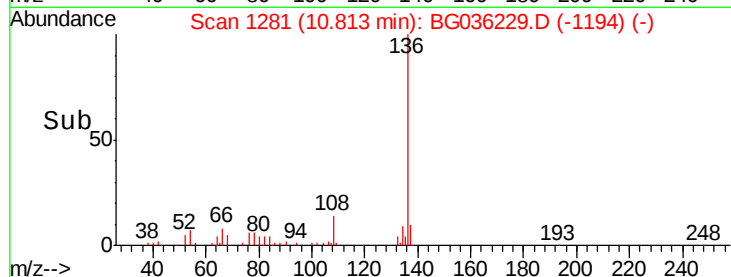
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BG036229.D
Acq: 9 Aug 2018 12:24

Instrument :
BNA_G
ClientSampleId :
073018-TIPC-F-U-S

Tgt Ion:	136	Resp:	100532
Ion	Ratio	Lower	Upper
136	100		
137	9.9	9.2	13.8
54	7.0	10.3	15.5#
68	5.4	4.5	6.7

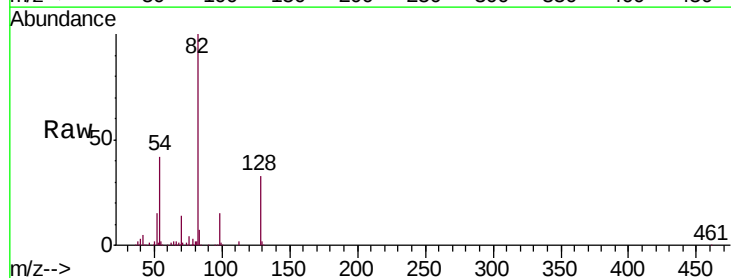


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

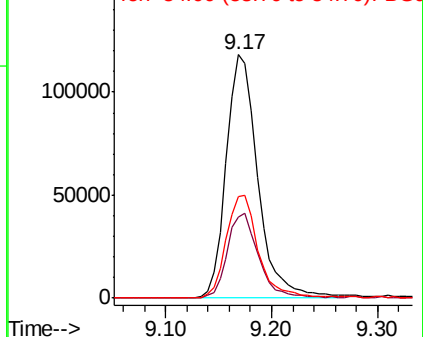
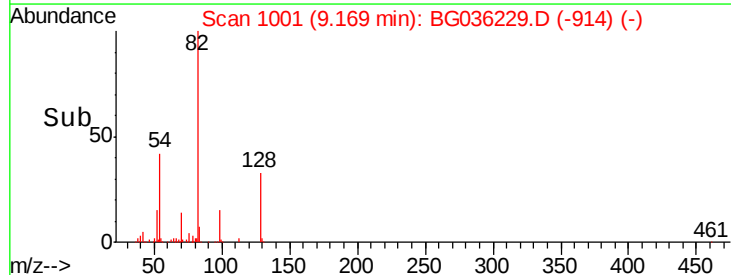


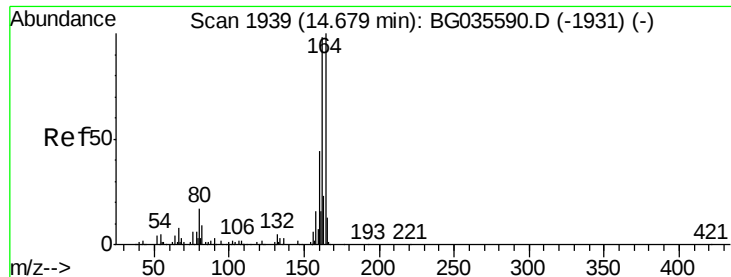
#23
Nitrobenzene-d5
Concen: 101.863 ng
RT: 9.17 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BG036229.D
Acq: 9 Aug 2018 12:24

Tgt Ion:	82	Resp:	245137
Ion	Ratio	Lower	Upper
82	100		
128	33.2	29.7	44.5
54	41.7	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: 14.63 min Scan# 1931

Delta R.T. -0.02 min

Lab File: BG036229.D

Acq: 9 Aug 2018 12:24

Instrument :

BNA_G

ClientSampleId :

073018-TIPC-F-U-S

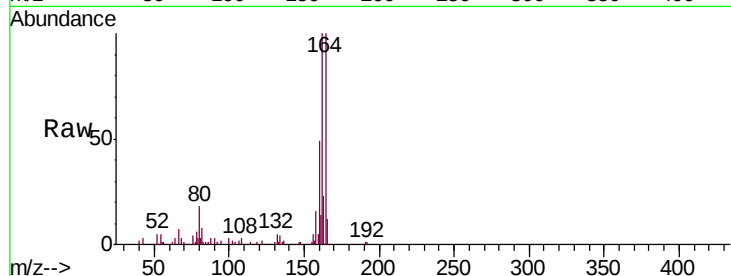
Tgt Ion:164 Resp: 75349

Ion Ratio Lower Upper

164 100

162 99.7 78.8 118.2

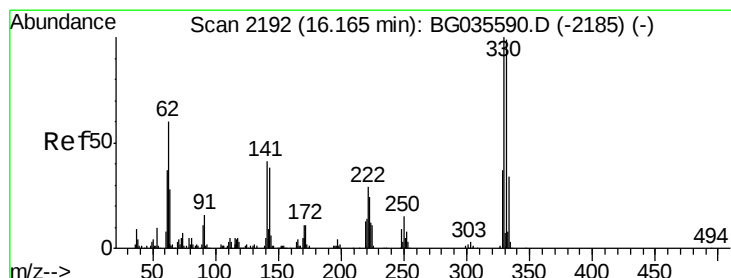
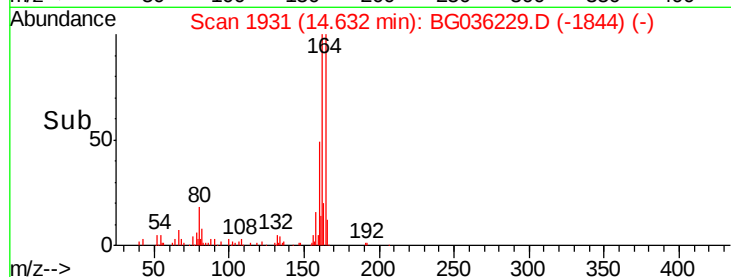
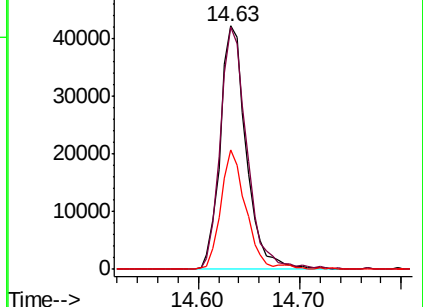
160 49.2 35.4 53.0



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: 108.799 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036229.D

Acq: 9 Aug 2018 12:24

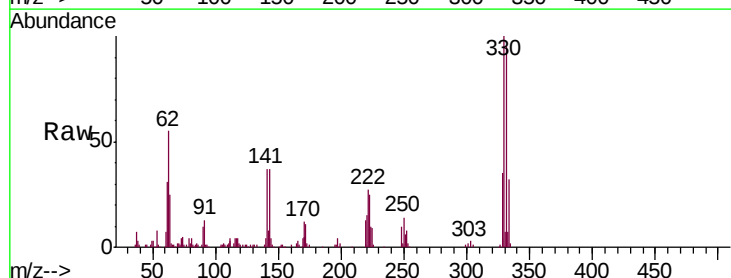
Tgt Ion:330 Resp: 108054

Ion Ratio Lower Upper

330 100

332 94.7 77.0 115.6

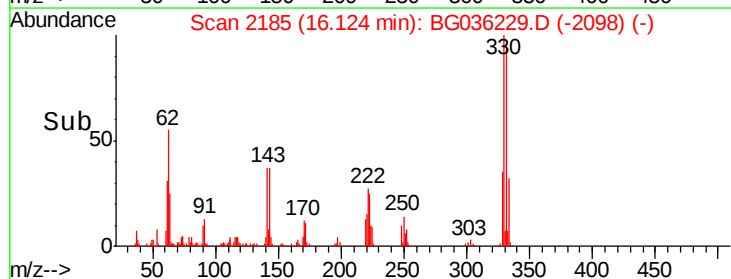
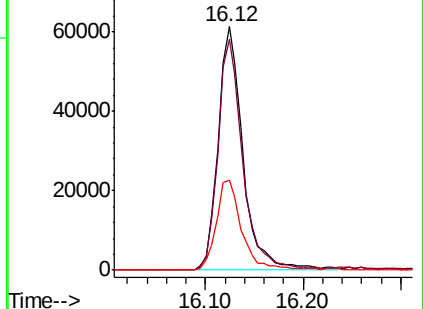
141 38.0 25.2 37.8#

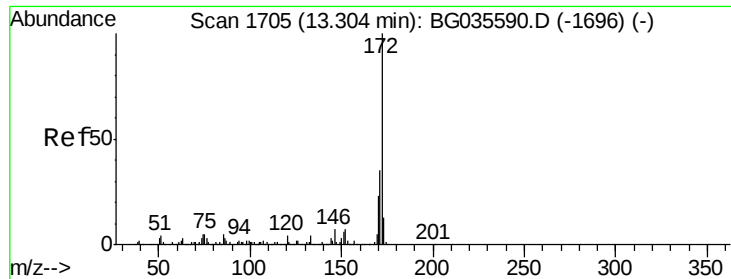


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

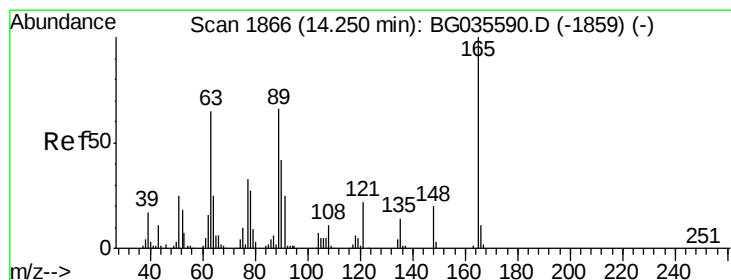
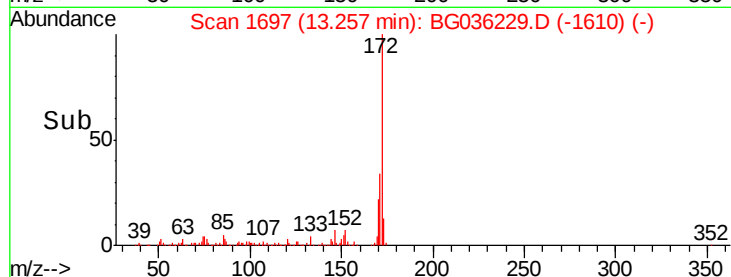
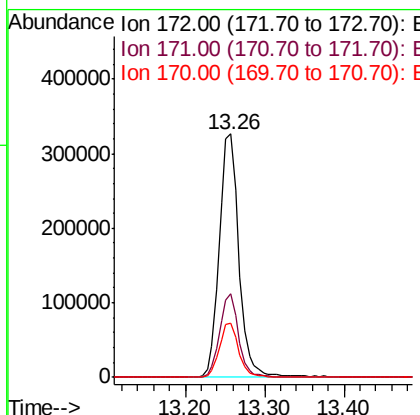
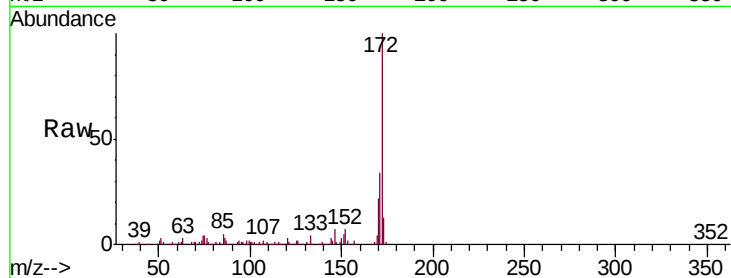




#44
 2-Fluorobiphenyl
 Concen: 99.878 ng
 RT: 13.26 min Scan# 1697
 Delta R.T. -0.02 min
 Lab File: BG036229.D
 Acq: 9 Aug 2018 12:24

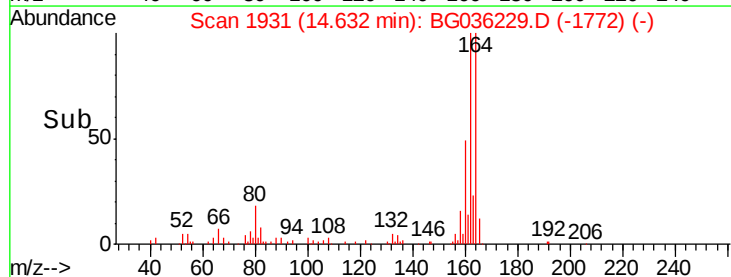
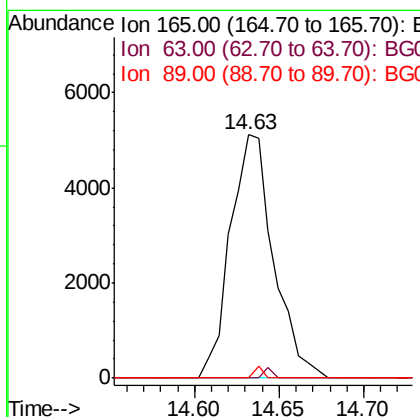
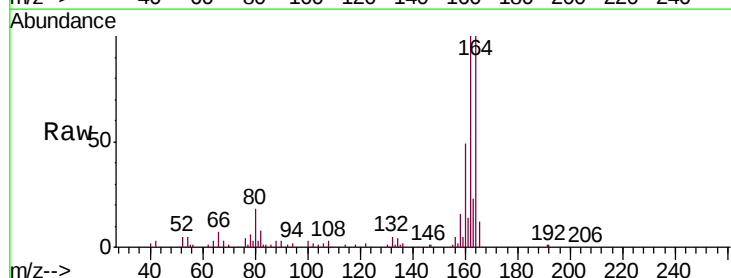
Instrument :
 BNA_G
 ClientSampleId :
 073018-TIPC-F-U-S

Tgt Ion:172 Resp: 561728
 Ion Ratio Lower Upper
 172 100
 171 34.4 30.0 45.0
 170 22.3 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 6.770 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. 0.40 min
 Lab File: BG036229.D
 Acq: 9 Aug 2018 12:24

Tgt Ion:165 Resp: 9101
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

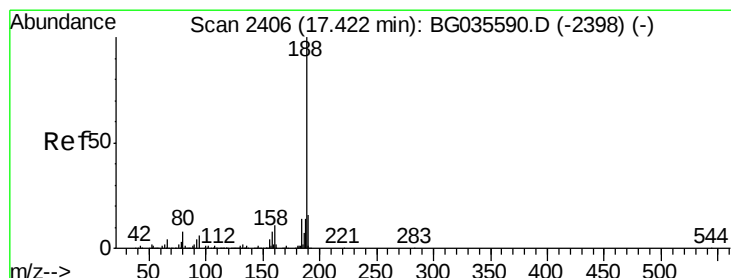
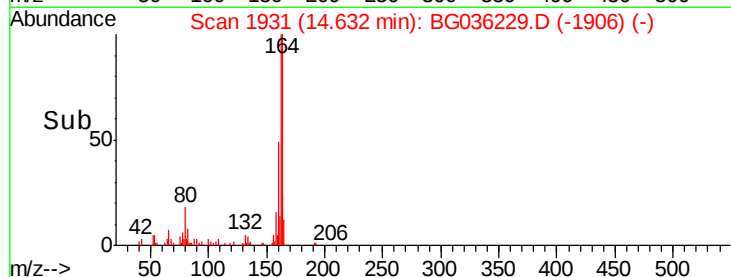
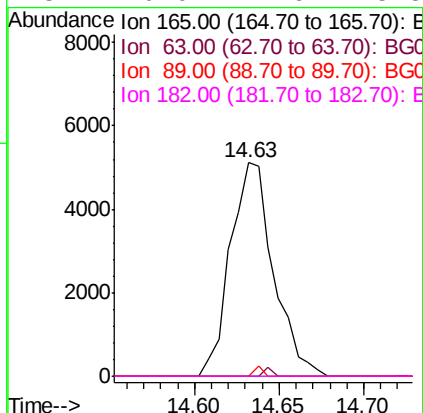
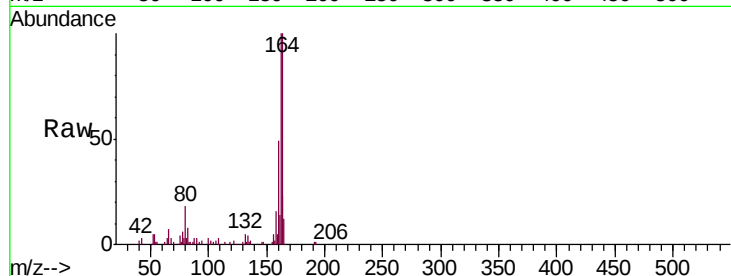




#56
 2,4-Dinitrotoluene
 Concen: 4.719 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. -0.38 min
 Lab File: BG036229.D
 Acq: 9 Aug 2018 12:24

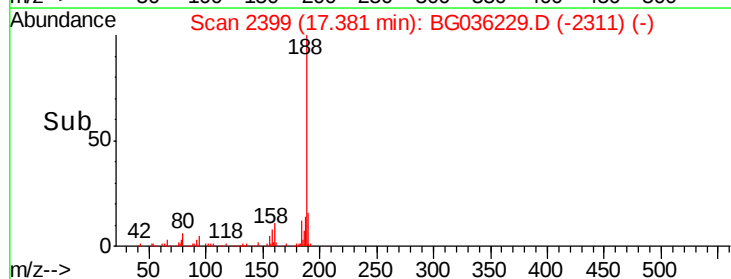
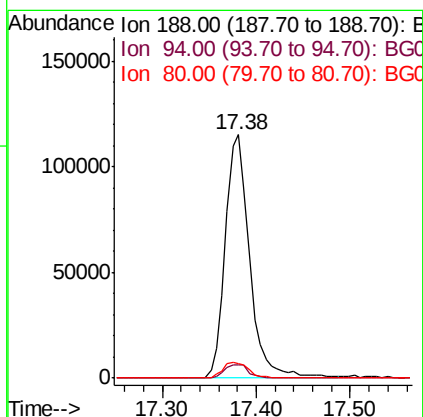
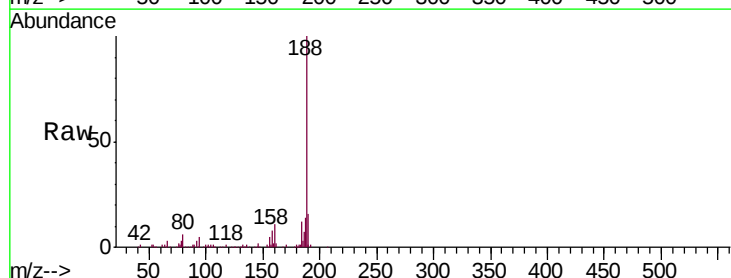
Instrument :
 BNA_G
 ClientSampleId :
 073018-TIPC-F-U-S

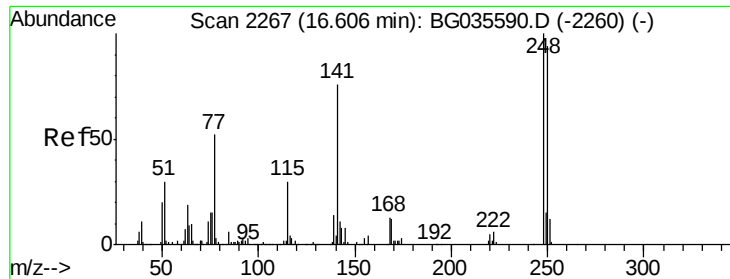
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.38 min Scan# 2399
 Delta R.T. -0.01 min
 Lab File: BG036229.D
 Acq: 9 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.4	6.9	10.3#
80	6.0	7.7	11.5#

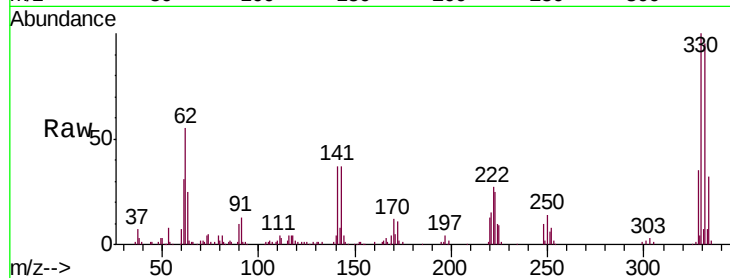




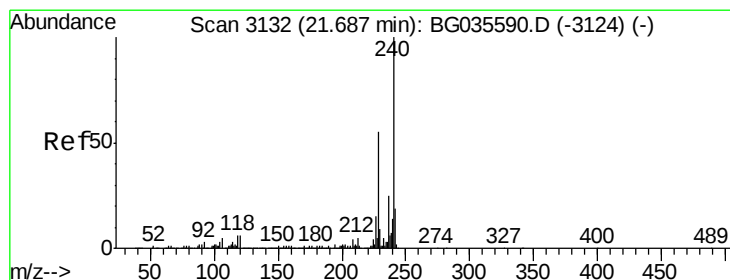
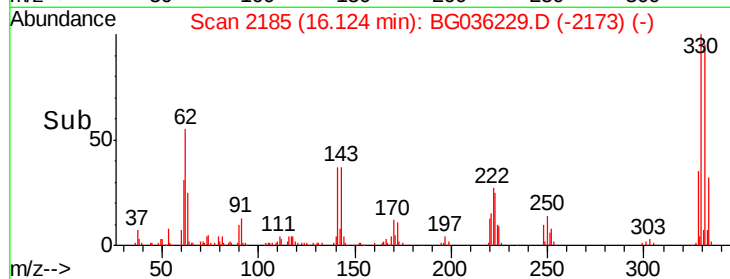
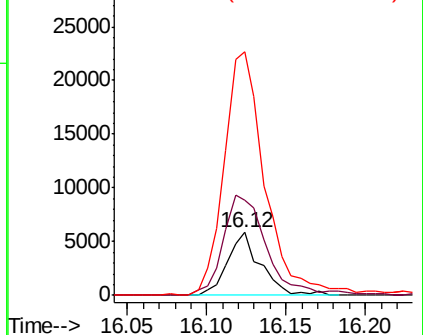
#66
 4-Bromophenyl-phenylether
 Concen: 3.512 ng
 RT: 16.12 min Scan# 2185
 Delta R.T. -0.46 min
 Lab File: BG036229.D
 Acq: 9 Aug 2018 12:24

Instrument :
 BNA_G
 ClientSampleId :
 073018-TIPC-F-U-S

Tgt Ion:248 Resp: 8483
 Ion Ratio Lower Upper
 248 100
 250 152.0 77.1 115.7#
 141 388.7 50.8 76.2#

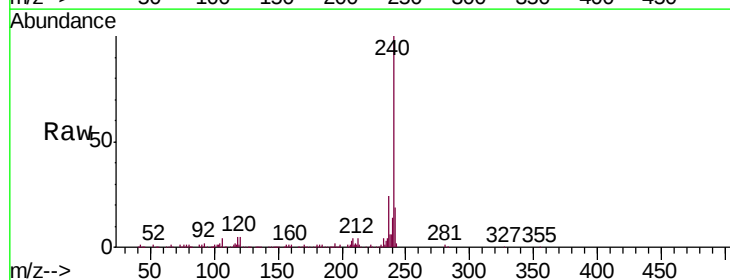


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

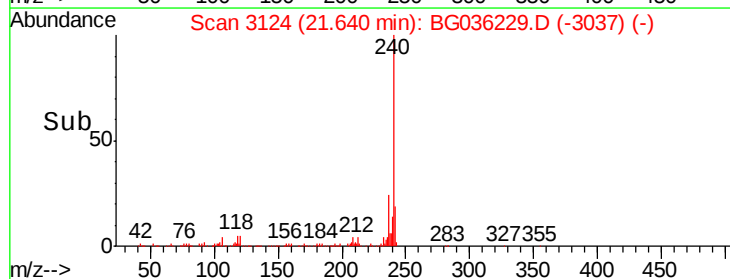
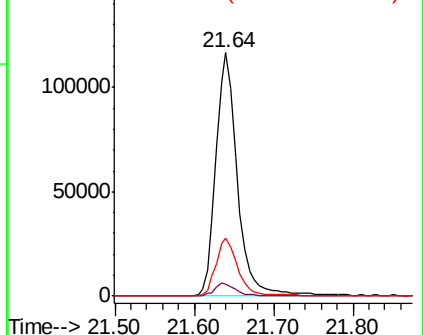


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.64 min Scan# 3124
 Delta R.T. -0.02 min
 Lab File: BG036229.D
 Acq: 9 Aug 2018 12:24

Tgt Ion:240 Resp: 220260
 Ion Ratio Lower Upper
 240 100
 120 4.8 6.8 10.2#
 236 24.0 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: 2.725 ng

RT: 19.98 min Scan# 2842

Delta R.T. 0.36 min

Lab File: BG036229.D

Acq: 9 Aug 2018 12:24

Instrument :

BNA_G

ClientSampleId :

073018-TIPC-F-U-S

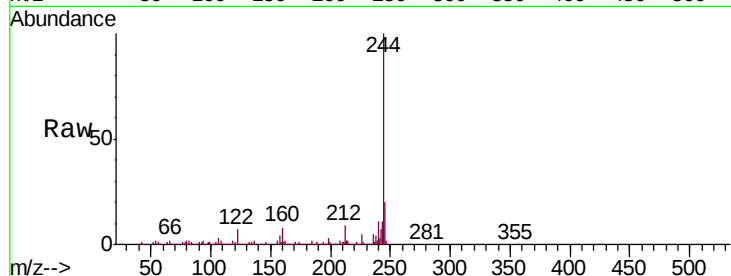
Tgt Ion:184 Resp: 15780

Ion Ratio Lower Upper

184 100

185 16.3 11.1 16.7

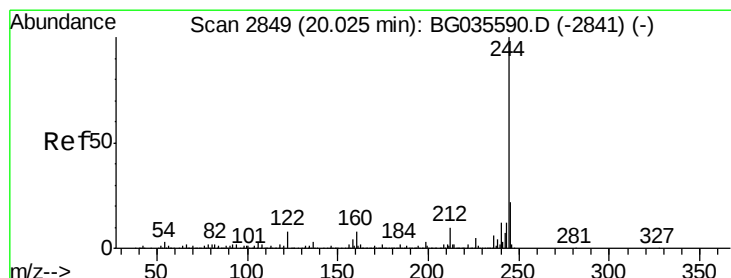
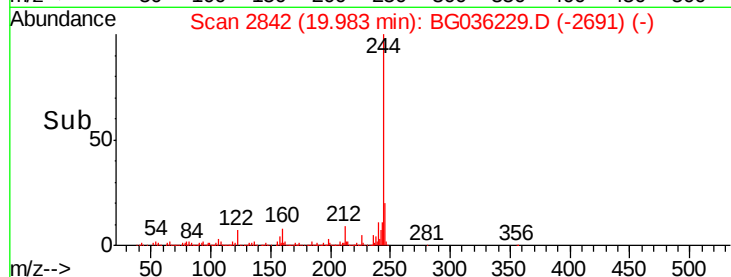
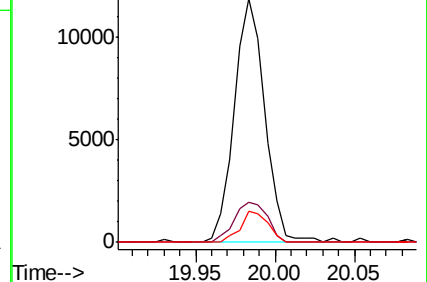
183 12.9 10.6 16.0



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: 96.578 ng

RT: 19.98 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG036229.D

Acq: 9 Aug 2018 12:24

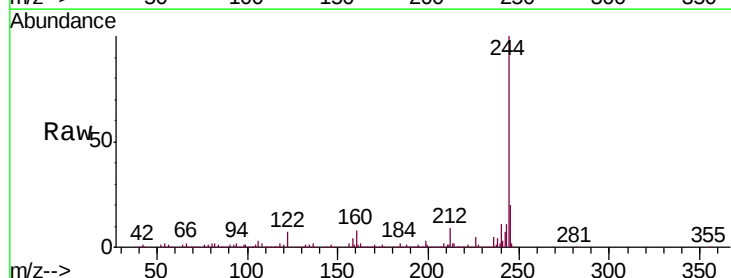
Tgt Ion:244 Resp: 965038

Ion Ratio Lower Upper

244 100

212 9.1 5.8 8.8#

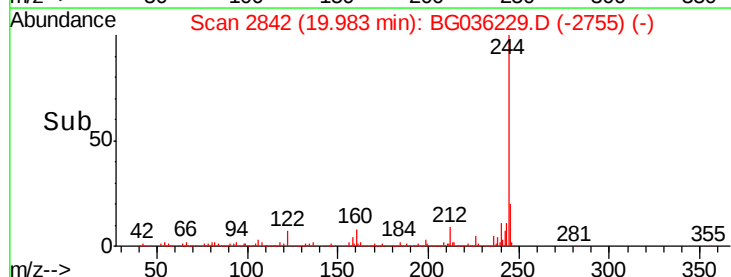
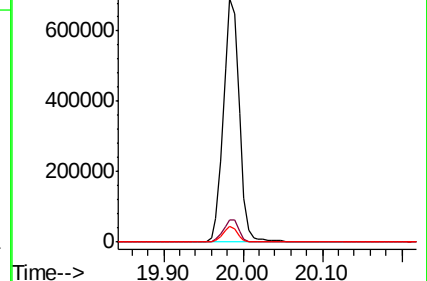
122 6.6 7.0 10.4#

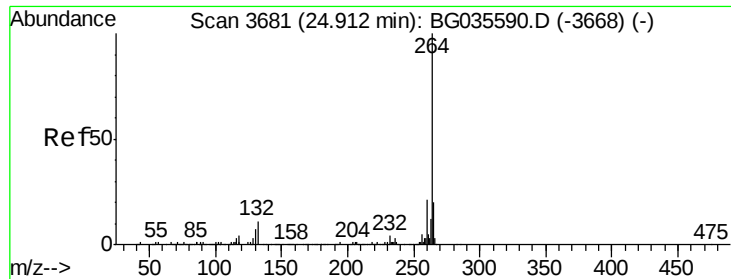


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

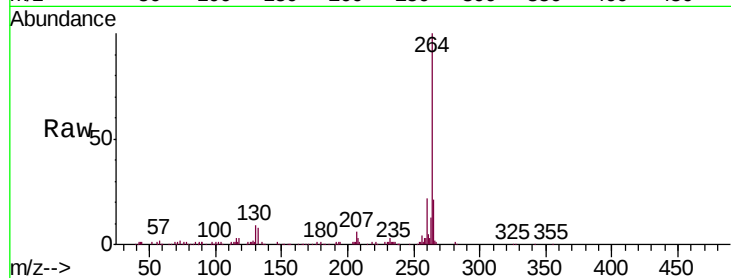




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.83 min Scan# 3667
Delta R.T. -0.03 min
Lab File: BG036229.D
Acq: 9 Aug 2018 12:24

Instrument :
BNA_G
ClientSampleId :
073018-TIPC-F-U-S

Tgt Ion:	264	Resp:	206365
Ion	Ratio	Lower	Upper
264	100		
260	22.1	17.4	26.0
265	20.8	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

