

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062118\
 Data File : BG035319.D
 Acq On : 22 Jun 2018 5:02
 Operator : JU/SJ
 Sample : J3603-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 22 06:55:28 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 08 17:16:28 2018
 Response via : Initial Calibration

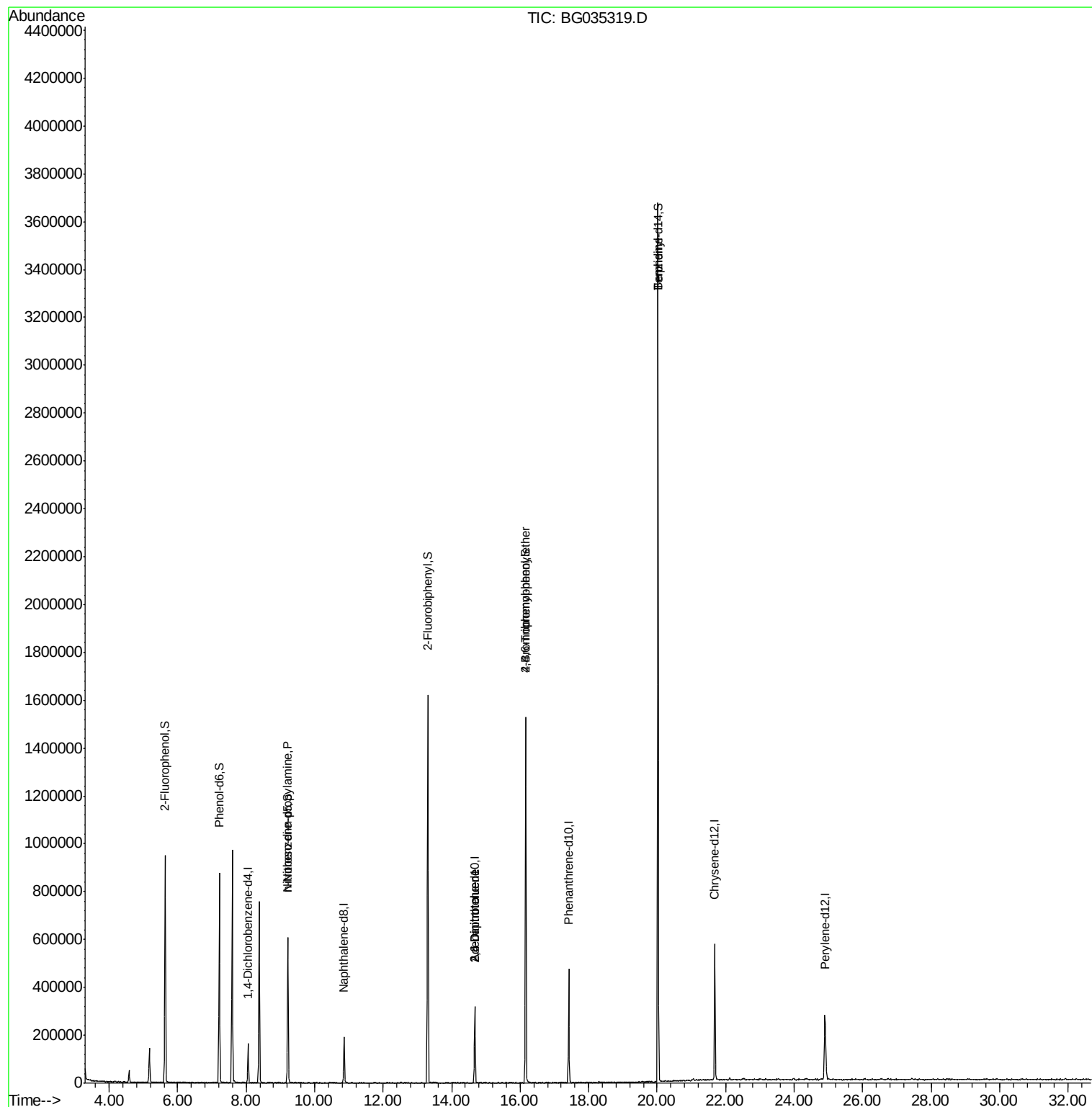
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	44979	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	164429	20.00	ng	-0.03
38) Acenaphthene-d10	14.68	164	110390	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	308576	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	345399	20.00	ng	-0.03
86) Perylene-d12	24.90	264	327412	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	410208	153.91	ng	0.00
7) Phenol-d6	7.21	99	532341	135.33	ng	0.00
23) Nitrobenzene-d5	9.22	82	412461	119.24	ng	-0.02
41) 2,4,6-Tribromophenol	16.16	330	279445	197.75	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	877104	103.29	ng	-0.03
78) Terphenyl-d14	20.03	244	1741405	105.61	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	56600	16.936	ng	# 63
50) 2,6-Dinitrotoluene	14.68	165	15281	8.701	ng	# 21
56) 2,4-Dinitrotoluene	14.68	165	15281	6.550	ng	# 19
66) 4-Bromophenyl-phenylether	16.16	248	21445	5.771	ng	# 1
76) Benzidine	20.03	184	28548	2.222	ng	# 91

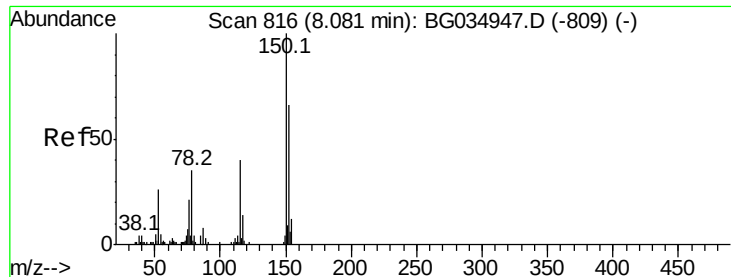
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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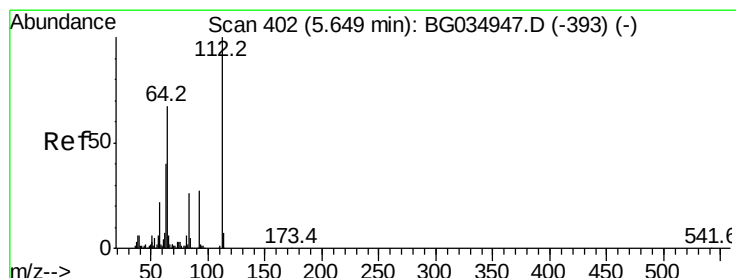
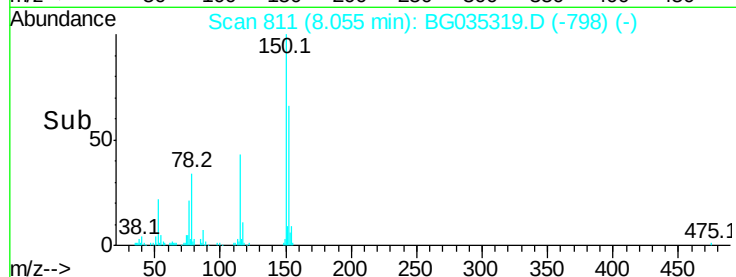
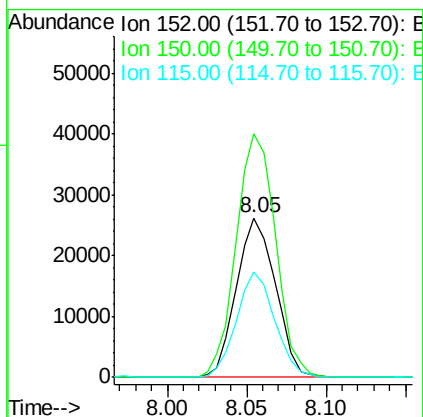
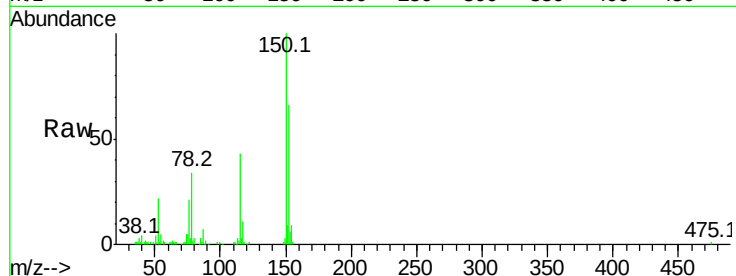


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.02 min
Lab File: BG035319.D
Acq: 22 Jun 2018 5:02

Instrument :
BNA_G
ClientSampleId :

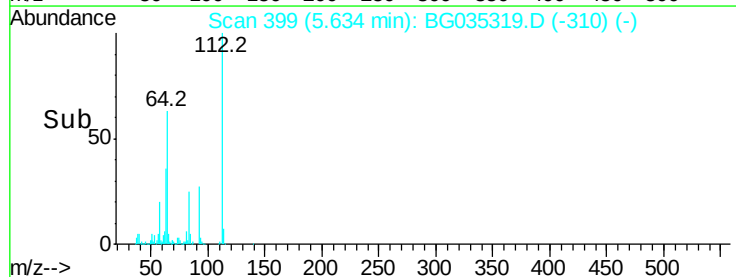
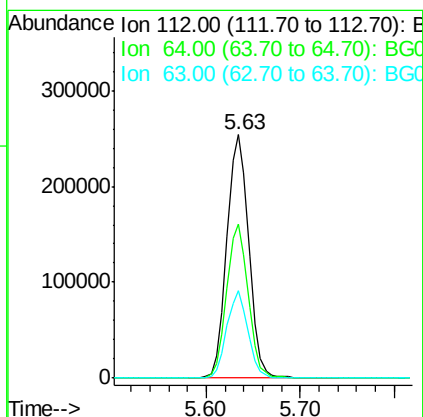
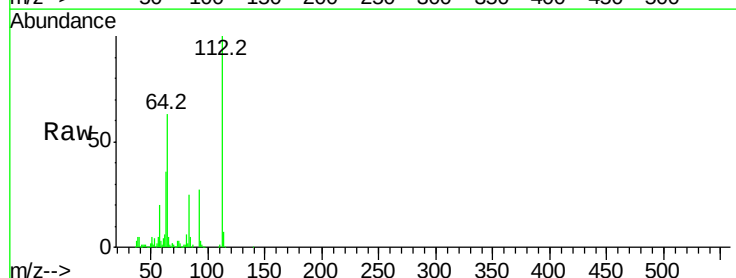
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	126.6	189.8
115	65.9	53.0	79.4

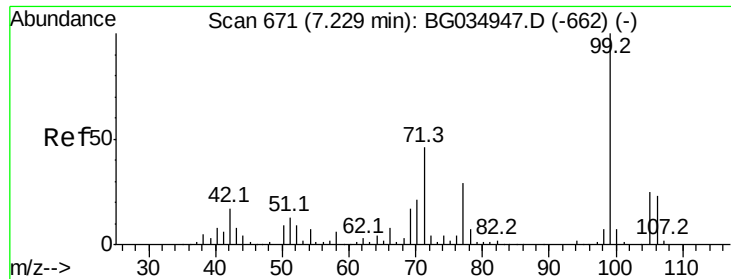


#5

2-Fluorophenol
Concen: 153.910 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035319.D
Acq: 22 Jun 2018 5:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	56.3	84.5
63	36.1	30.1	45.1





#7

Phenol-d6

Concen: 135.326 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035319.D

Acq: 22 Jun 2018 5:02

Instrument :

BNA_G

ClientSampleId :

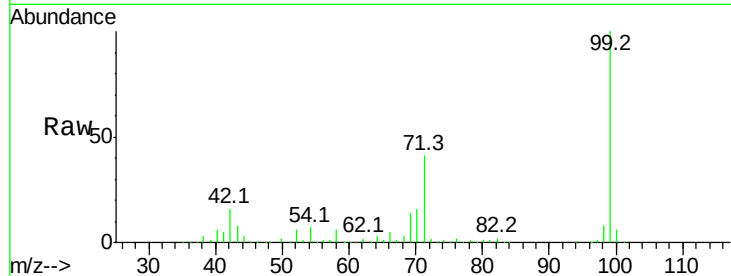
Tot Ion: 99 Resp: 532341

Ion Ratio Lower Upper

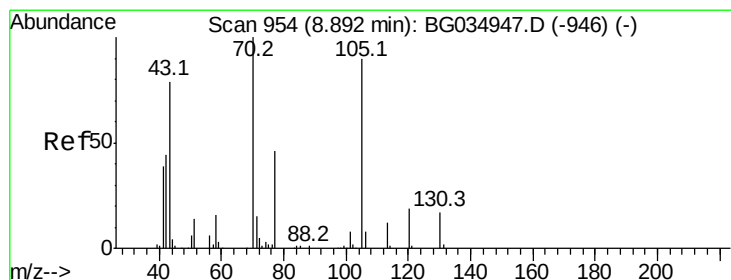
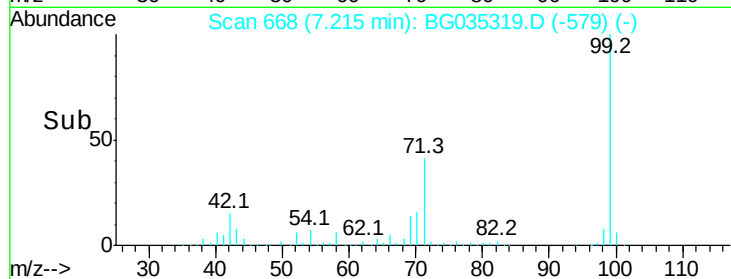
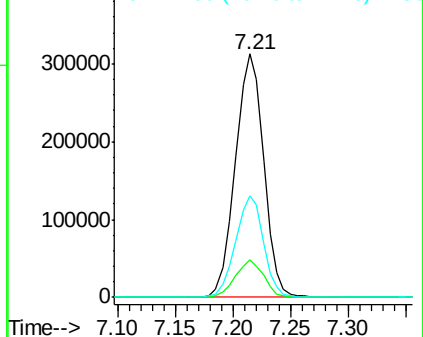
99 100

42 15.6 14.1 21.1

71 41.4 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: 16.936 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.34 min

Lab File: BG035319.D

Acq: 22 Jun 2018 5:02

Tgt Ion: 70 Resp: 56600

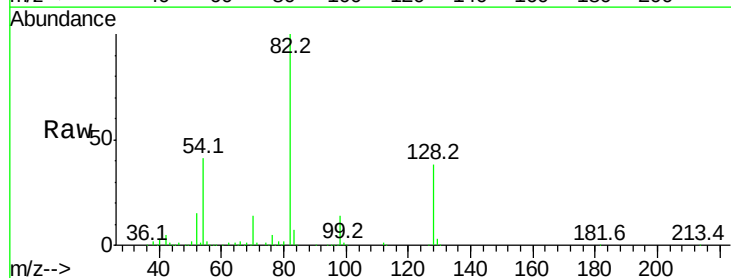
Ion Ratio Lower Upper

70 100

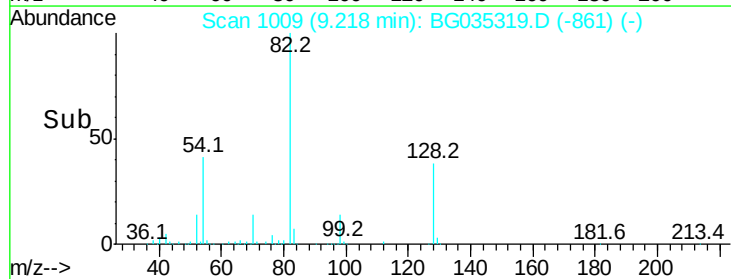
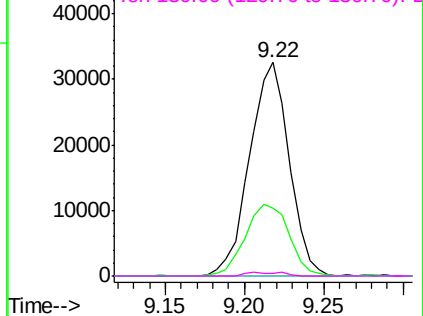
42 31.6 49.1 73.7#

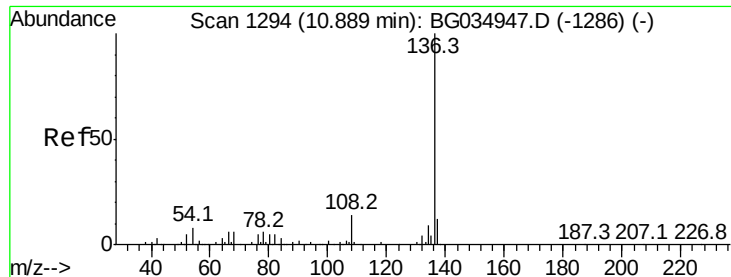
101 0.0 8.5 12.7#

130 1.0 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

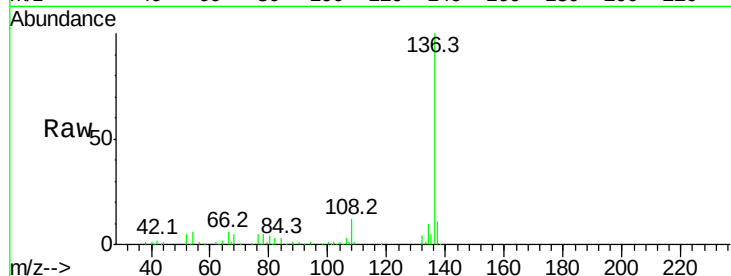




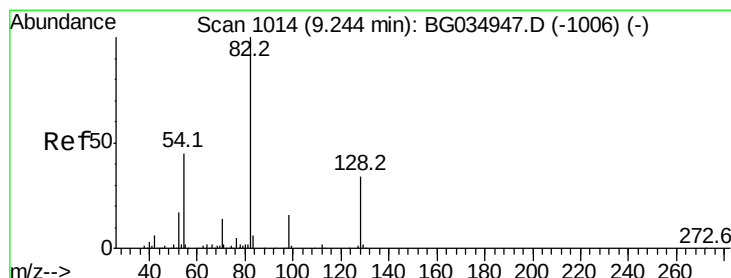
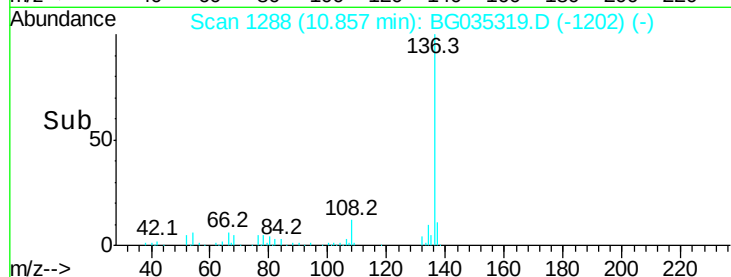
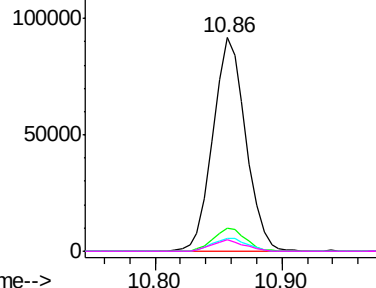
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1288
Delta R.T. -0.03 min
Lab File: BG035319.D
Acq: 22 Jun 2018 5:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion	136	Resp	164429
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	6.1	10.3	15.5#
68	5.3	4.5	6.7

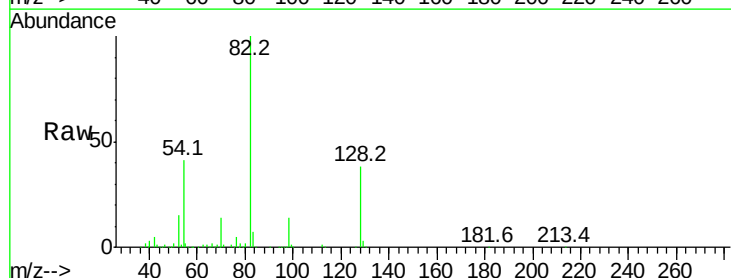


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

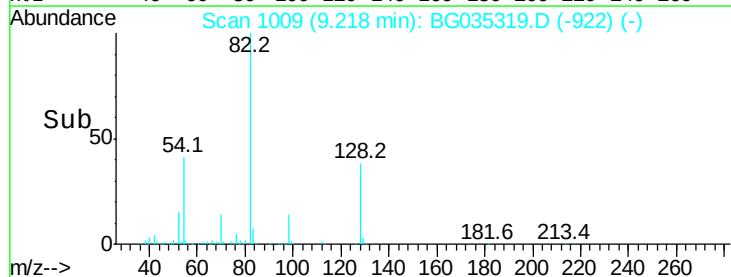
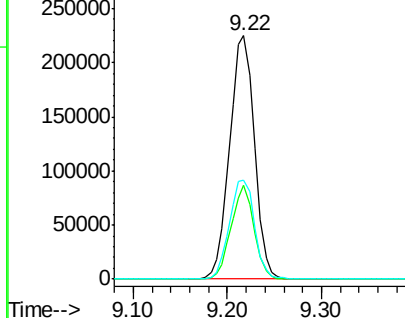


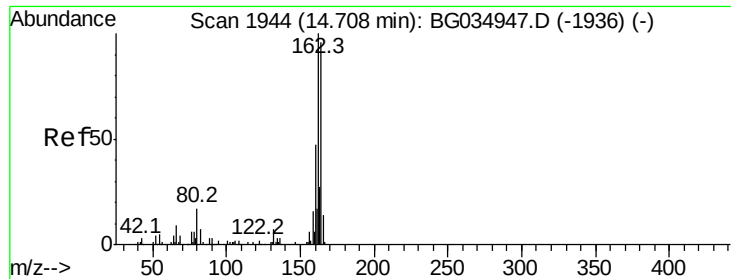
#23
Nitrobenzene-d5
Concen: 119.237 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.02 min
Lab File: BG035319.D
Acq: 22 Jun 2018 5:02

Tgt Ion	82	Resp	412461
Ion	Ratio	Lower	Upper
82	100		
128	38.4	29.7	44.5
54	40.8	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

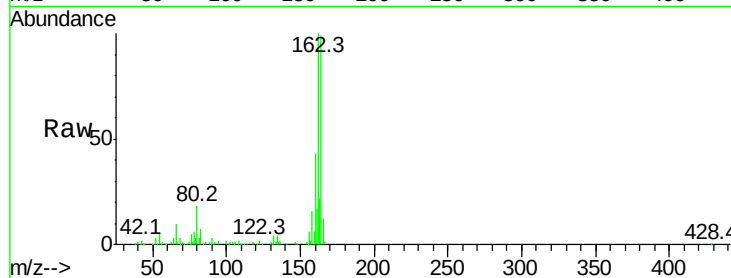




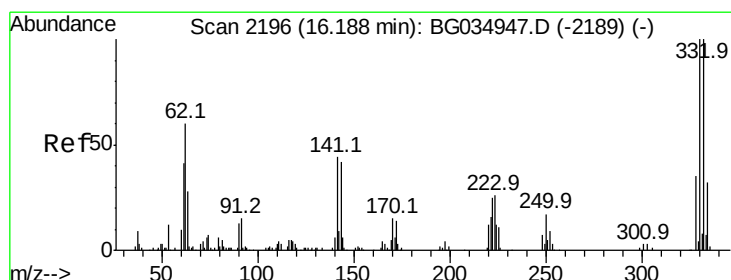
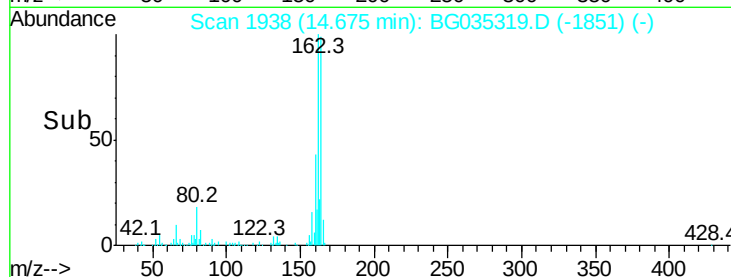
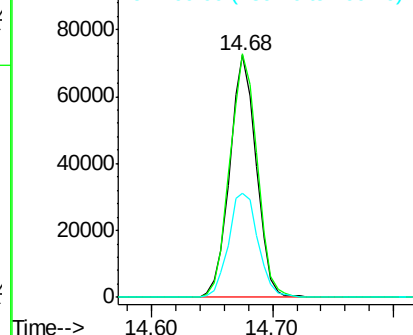
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1938
Delta R.T. -0.02 min
Lab File: BG035319.D
Acq: 22 Jun 2018 5:02

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.5	78.8	118.2
160	43.0	35.4	53.0

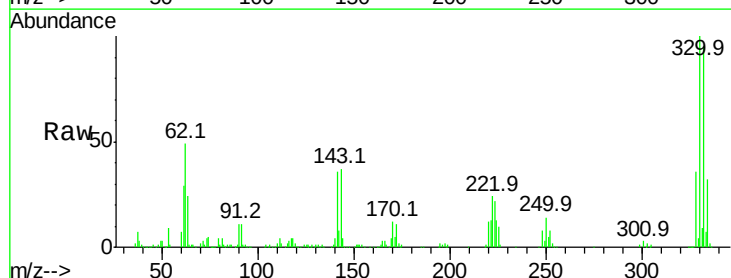


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

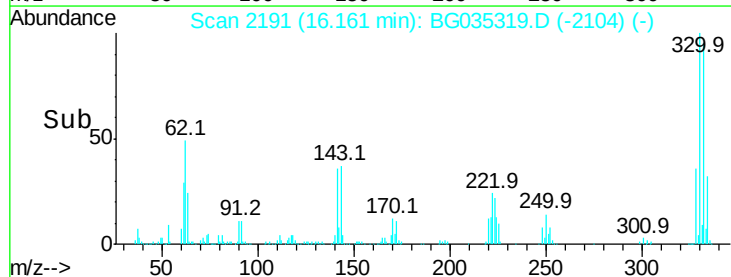
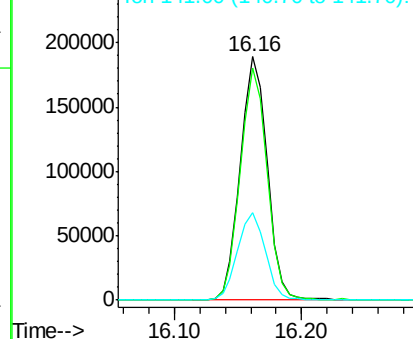


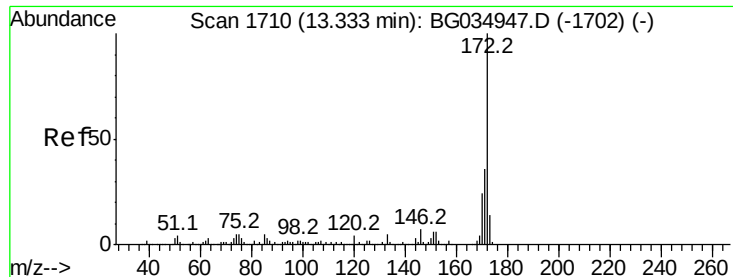
#41
2,4,6-Tribromophenol
Concen: 197.749 ng
RT: 16.16 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BG035319.D
Acq: 22 Jun 2018 5:02

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.4	77.0	115.6
141	36.9	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

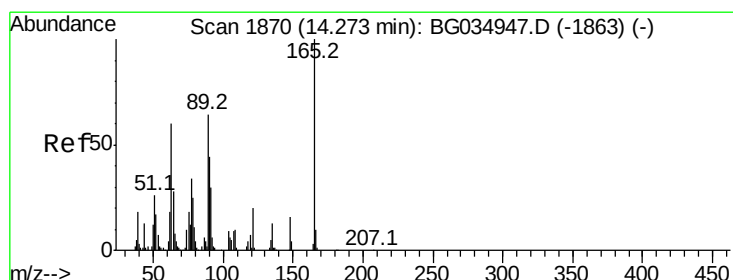
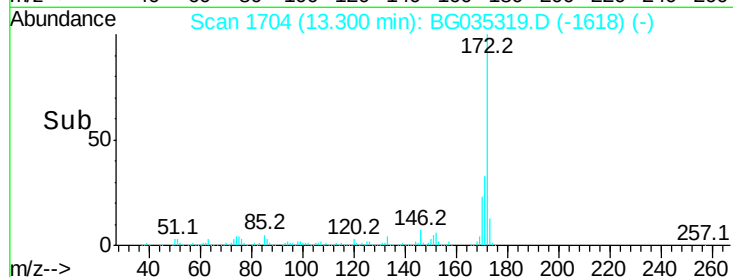
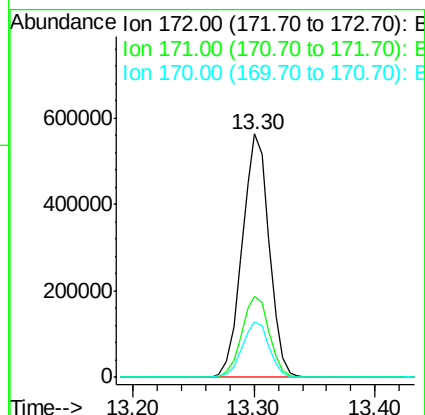
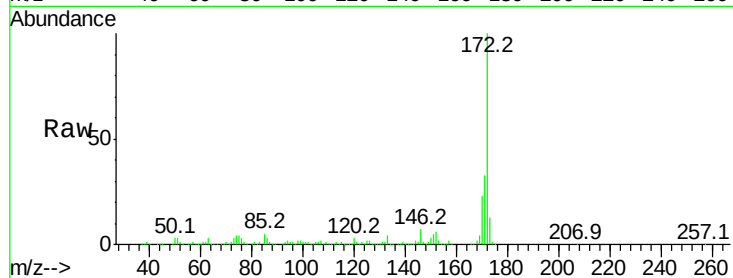




#44
2-Fluorobiphenyl
Concen: 103.291 ng
RT: 13.30 min Scan# 1704
Delta R.T. -0.03 min
Lab File: BG035319.D
Acq: 22 Jun 2018 5:02

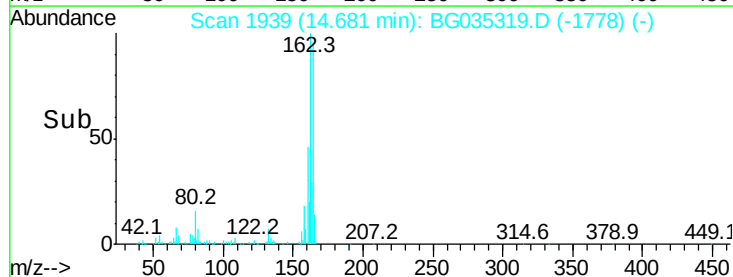
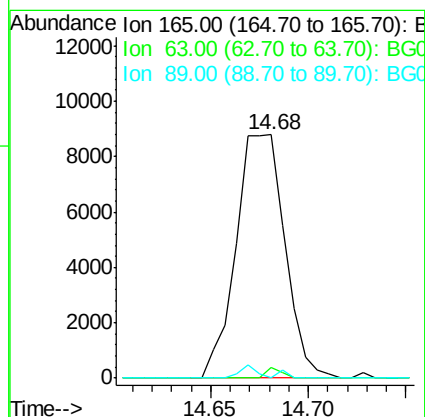
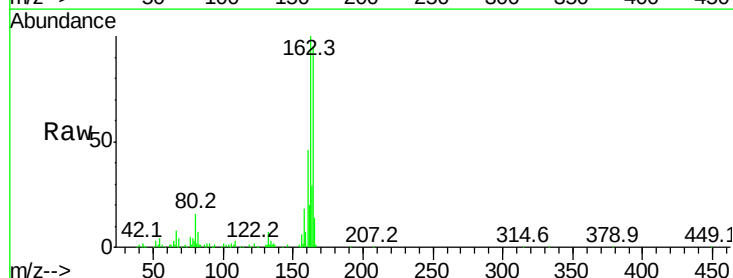
Instrument :
BNA_G
ClientSampleId :

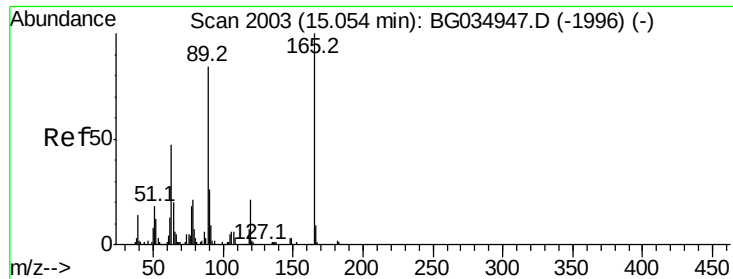
Tot Ion:172 Resp: 877104
Ion Ratio Lower Upper
172 100
171 33.5 30.0 45.0
170 22.7 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 8.701 ng
RT: 14.68 min Scan# 1939
Delta R.T. 0.41 min
Lab File: BG035319.D
Acq: 22 Jun 2018 5:02

Tgt Ion:165 Resp: 15281
Ion Ratio Lower Upper
165 100
63 4.3 52.7 79.1#
89 0.0 49.2 73.8#

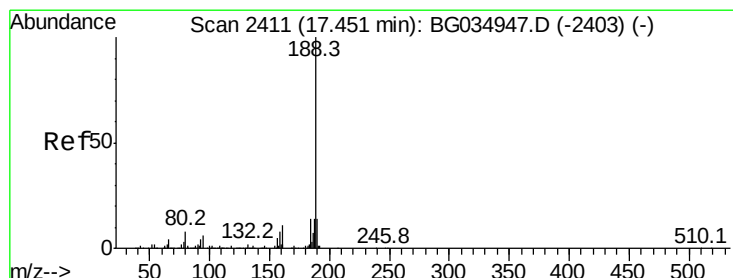
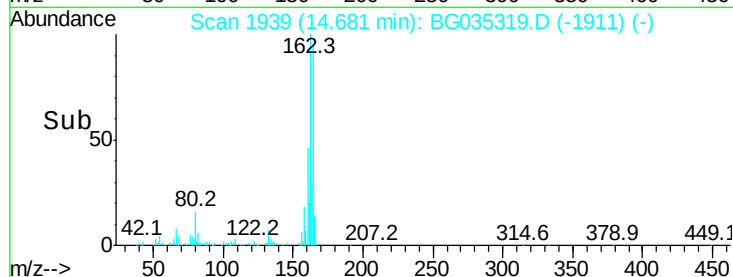
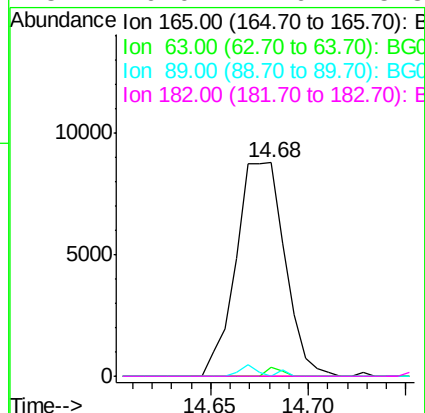
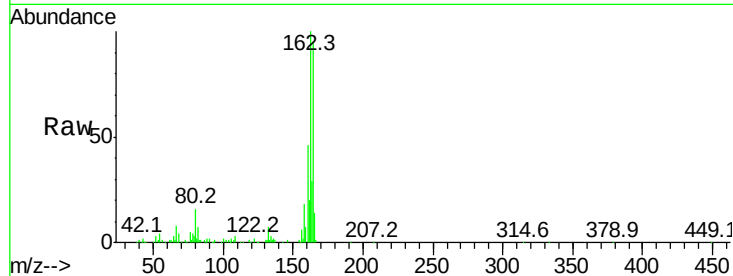




#56
 2,4-Dinitrotoluene
 Concen: 6.550 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. -0.37 min
 Lab File: BG035319.D
 Acq: 22 Jun 2018 5:02

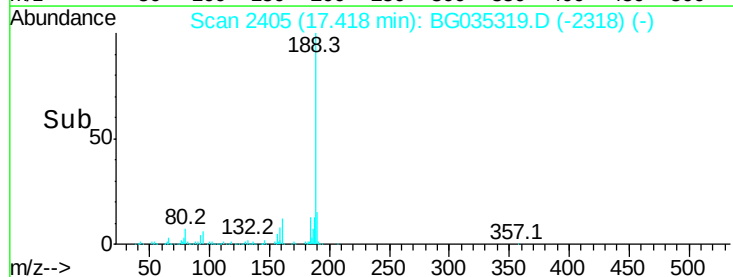
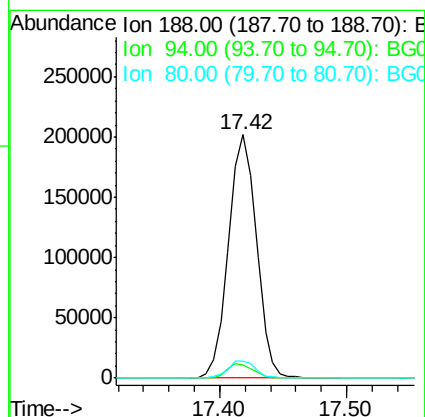
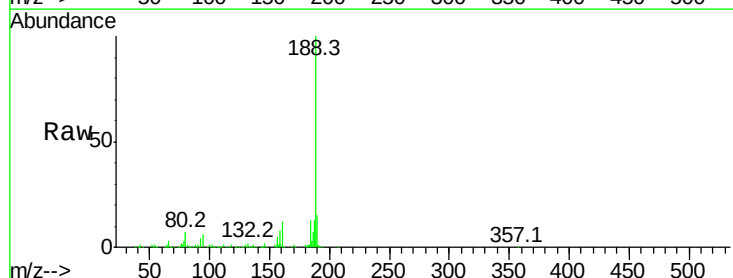
Instrument :
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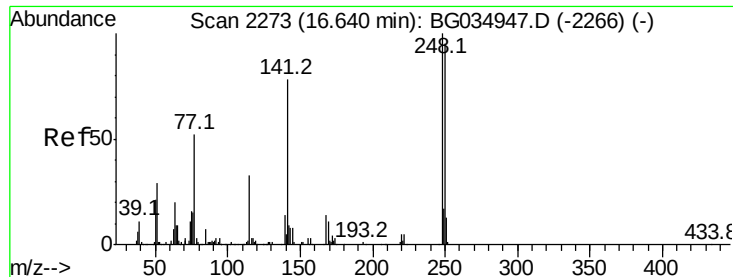
Tot Ion:165 Resp: 15281
 Ion Ratio Lower Upper
 165 100
 63 4.3 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.02 min
 Lab File: BG035319.D
 Acq: 22 Jun 2018 5:02

Tgt Ion:188 Resp: 308576
 Ion Ratio Lower Upper
 188 100
 94 5.6 6.9 10.3#
 80 7.1 7.7 11.5#

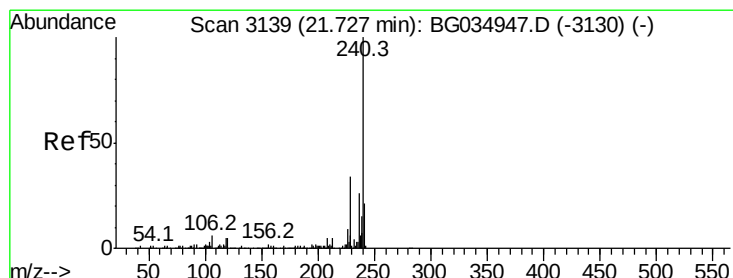
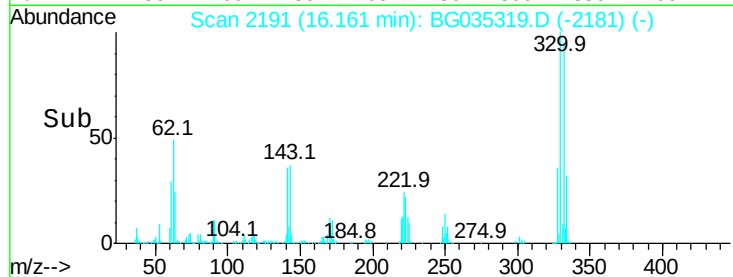
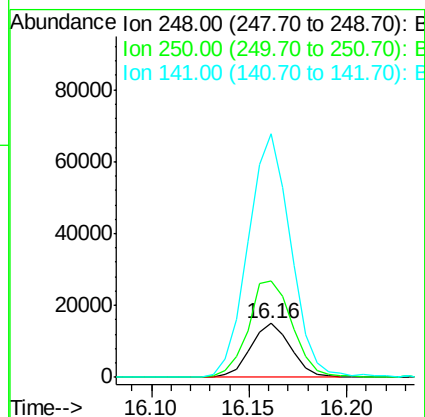
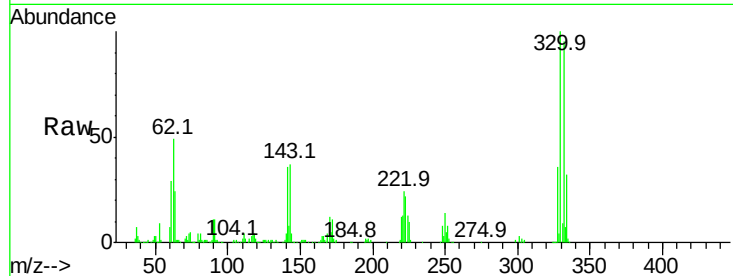




#66
 4-Bromophenyl-phenylether
 Concen: 5.771 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.47 min
 Lab File: BG035319.D
 Acq: 22 Jun 2018 5:02

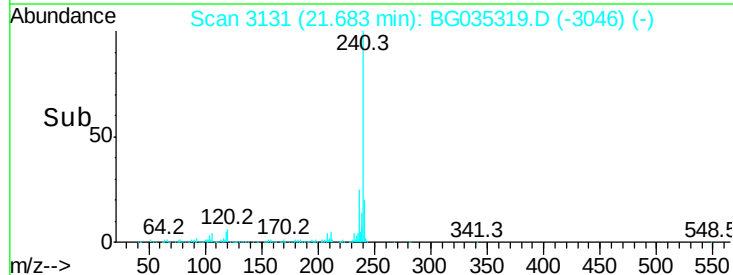
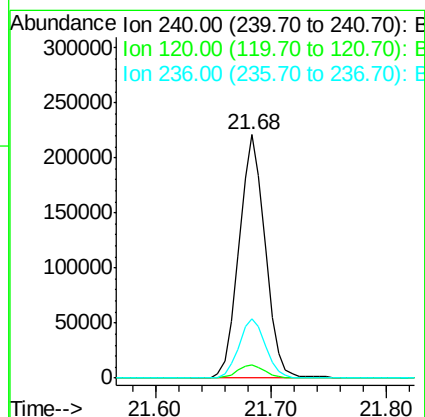
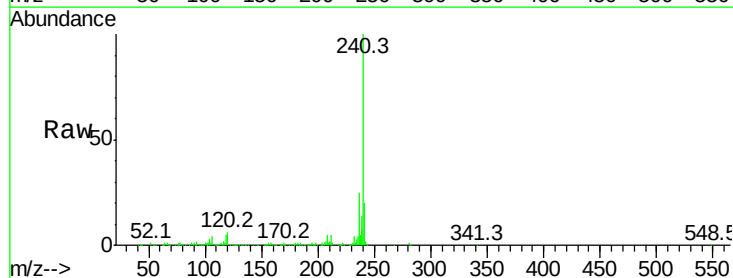
Instrument :
 BNA_G
 ClientSampleId :

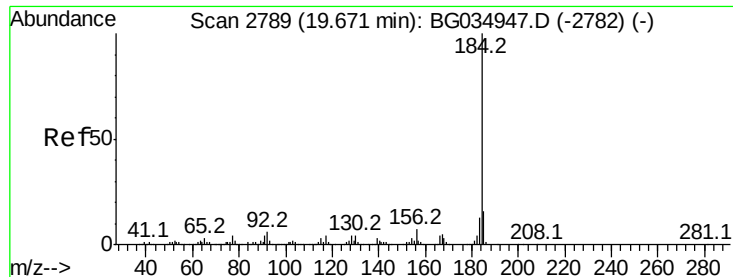
Tot Ion:248 Resp: 21445
 Ion Ratio Lower Upper
 248 100
 250 179.3 77.1 115.7#
 141 452.4 50.8 76.2#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3131
 Delta R.T. -0.03 min
 Lab File: BG035319.D
 Acq: 22 Jun 2018 5:02

Tgt Ion:240 Resp: 345399
 Ion Ratio Lower Upper
 240 100
 120 5.7 6.8 10.2#
 236 24.6 20.9 31.3





#76

Benzidine

Concen: 2.222 ng

RT: 20.03 min Scan# 2849

Delta R.T. 0.36 min

Lab File: BG035319.D

Acq: 22 Jun 2018 5:02

Instrument :

BNA_G

ClientSampleId :

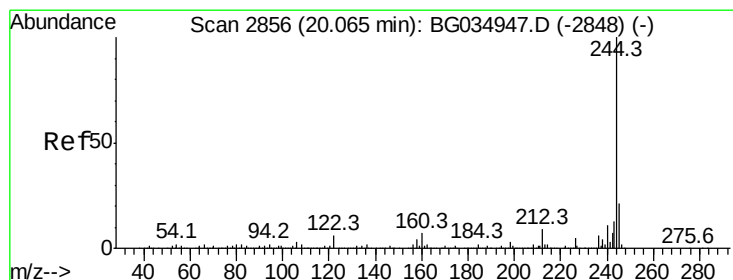
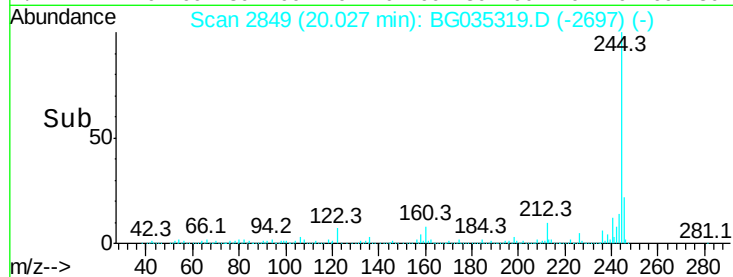
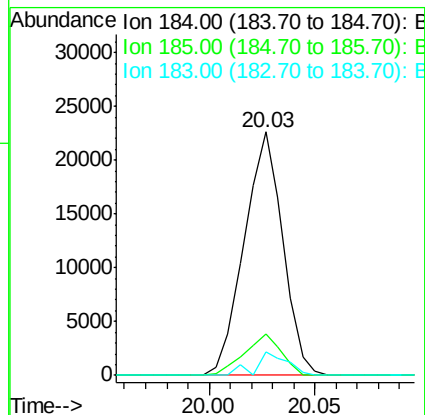
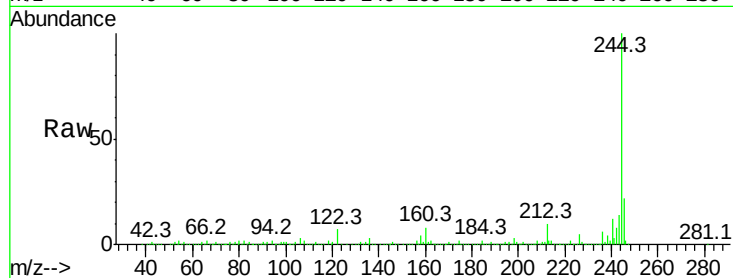
Tot Ion:184 Resp: 28548

Ion Ratio Lower Upper

184 100

185 17.2 11.1 16.7#

183 9.6 10.6 16.0#



#78

Terphenyl-d14

Concen: 105.608 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BG035319.D

Acq: 22 Jun 2018 5:02

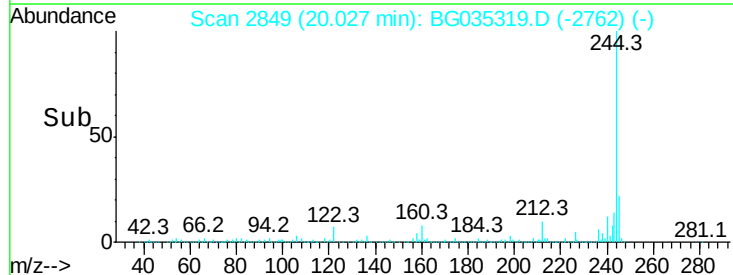
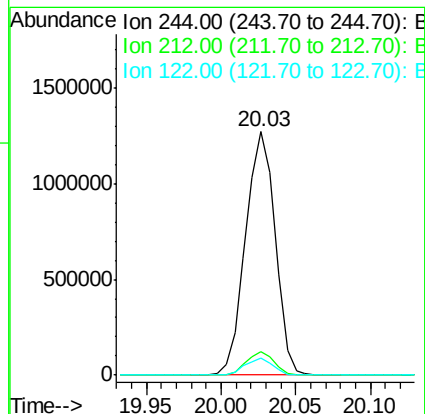
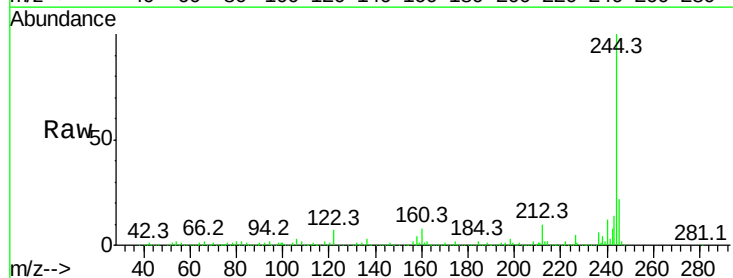
Tgt Ion:244 Resp: 1741405

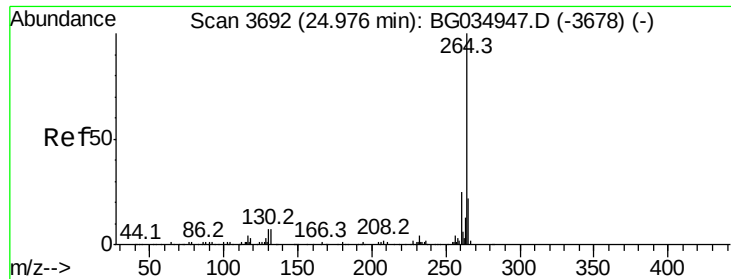
Ion Ratio Lower Upper

244 100

212 9.8 5.8 8.8#

122 7.1 7.0 10.4





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3678
Delta R.T. -0.06 min
Lab File: BG035319.D
Acq: 22 Jun 2018 5:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.4	26.0
265	19.8	17.7	26.5

