

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062618\
 Data File : BG035431.D
 Acq On : 27 Jun 2018 5:19
 Operator : JU/SJ
 Sample : J3647-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 27 07:23:40 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

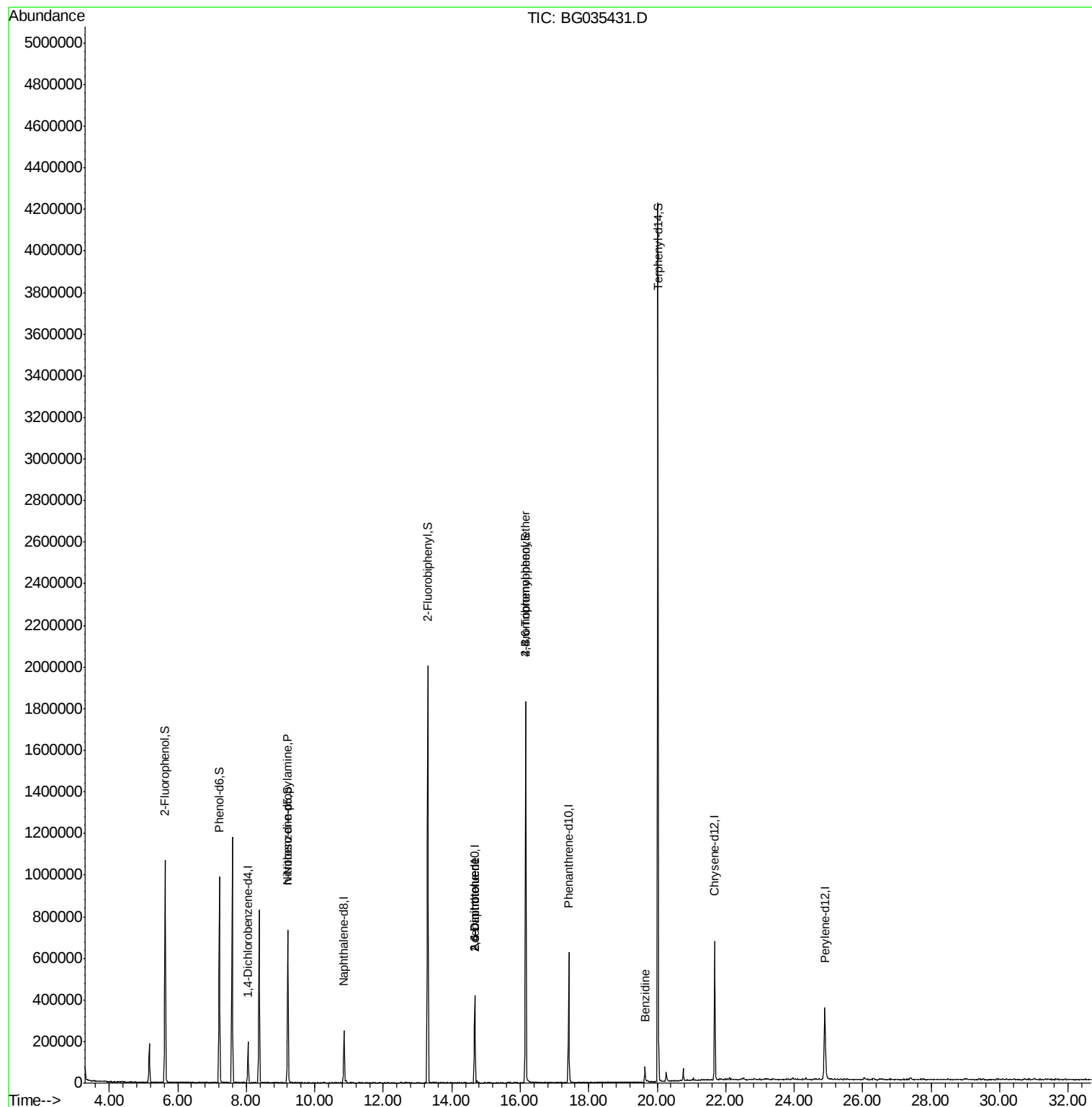
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	53376	20.00	ng	-0.02
21) Naphthalene-d8	10.85	136	207666	20.00	ng	-0.03
38) Acenaphthene-d10	14.67	164	148117	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	405557	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	437700	20.00	ng	-0.04
86) Perylene-d12	24.89	264	402261	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	463952	146.69	ng	-0.01
7) Phenol-d6	7.21	99	607326	130.10	ng	-0.01
23) Nitrobenzene-d5	9.22	82	493937	113.06	ng	-0.02
41) 2,4,6-Tribromophenol	16.16	330	341695	180.21	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	1070538	93.96	ng	-0.03
78) Terphenyl-d14	20.02	244	2063870	98.77	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	71319	17.983	ng	# 64
50) 2,6-Dinitrotoluene	14.67	165	20749	8.806	ng	# 22
56) 2,4-Dinitrotoluene	14.67	165	20749	6.629	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	27619	5.655	ng	# 1
76) Benzidine	19.64	184	50765	3.117	ng	96

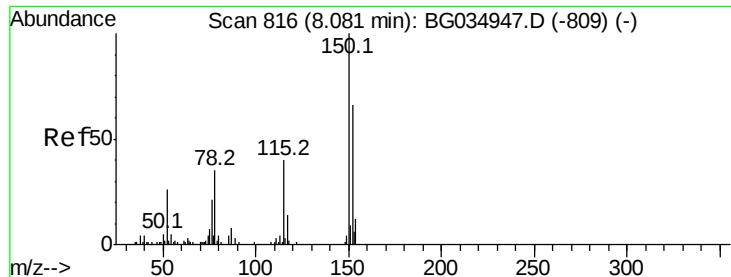
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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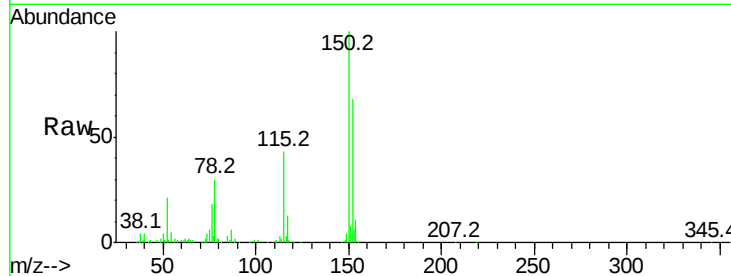


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.02 min
Lab File: BG035431.D
Acq: 27 Jun 2018 5:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.7	126.6	189.8
115	63.1	53.0	79.4

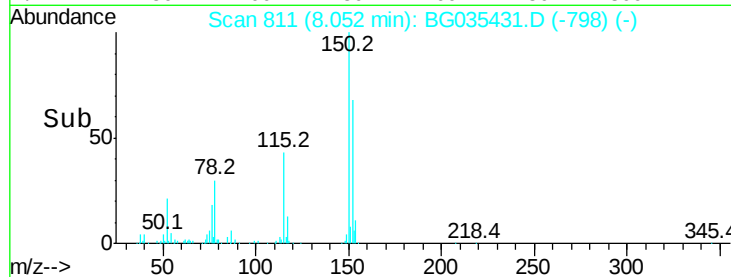
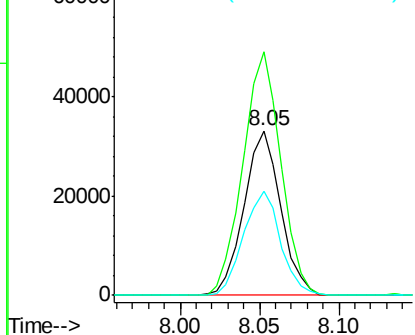


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

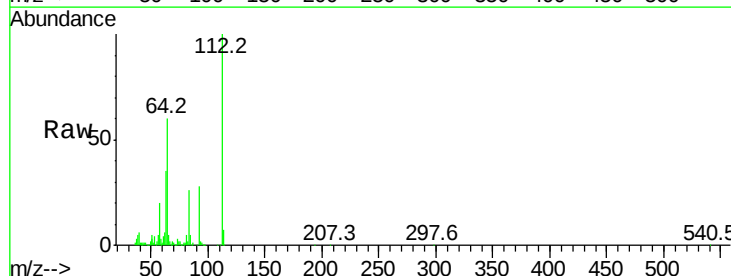
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 146.689 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035431.D
Acq: 27 Jun 2018 5:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	56.3	84.5
63	34.8	30.1	45.1

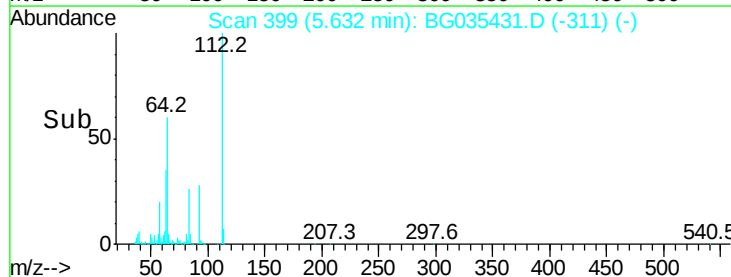
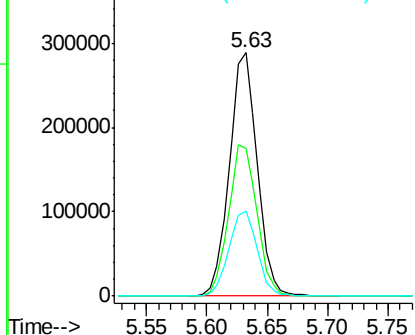


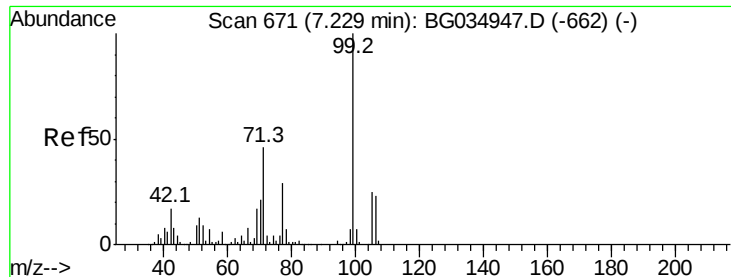
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 130.100 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035431.D

Acq: 27 Jun 2018 5:19

Instrument :

BNA_G

ClientSampleId :

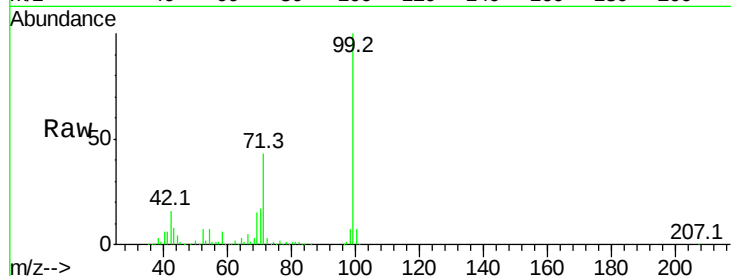
Tot Ion: 99 Resp: 607326

Ion Ratio Lower Upper

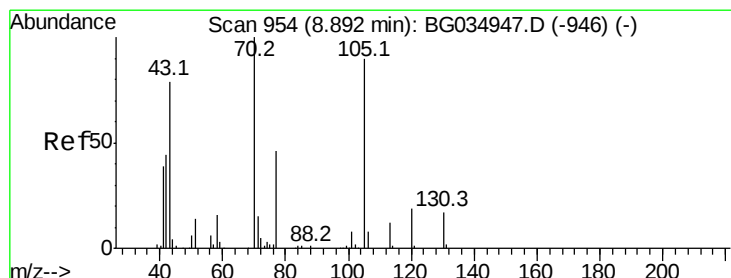
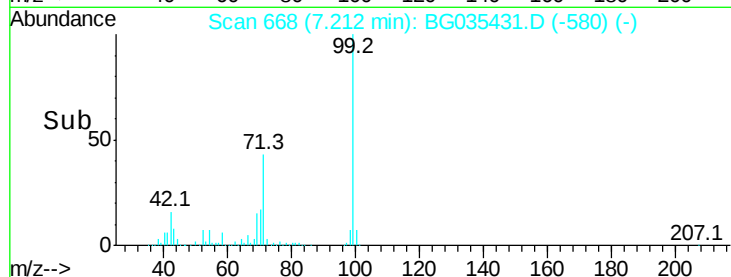
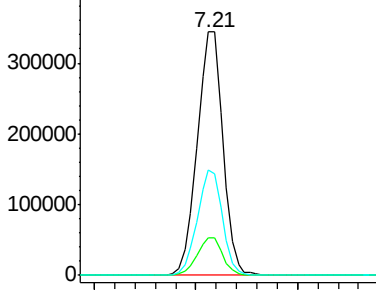
99 100

42 15.7 14.1 21.1

71 43.4 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: 17.983 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.33 min

Lab File: BG035431.D

Acq: 27 Jun 2018 5:19

Tgt Ion: 70 Resp: 71319

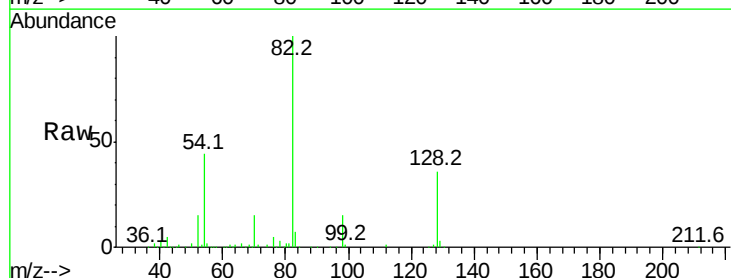
Ion Ratio Lower Upper

70 100

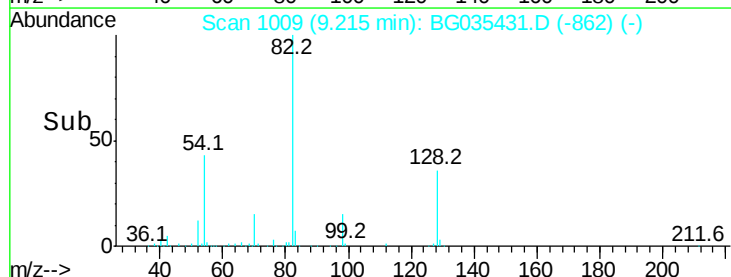
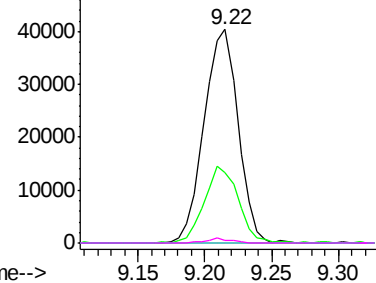
42 33.3 49.1 73.7#

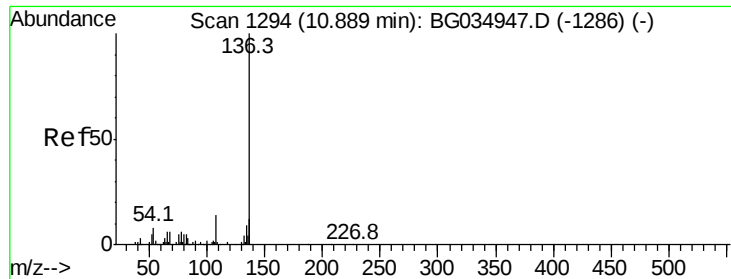
101 0.0 8.5 12.7#

130 1.2 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

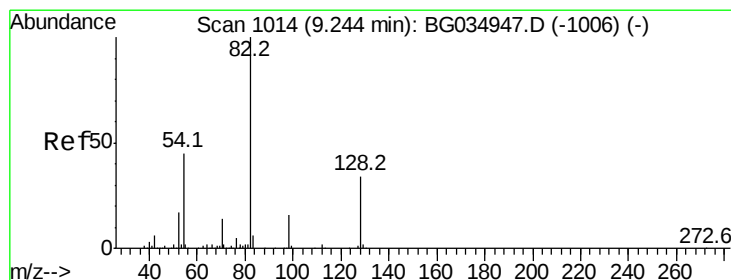
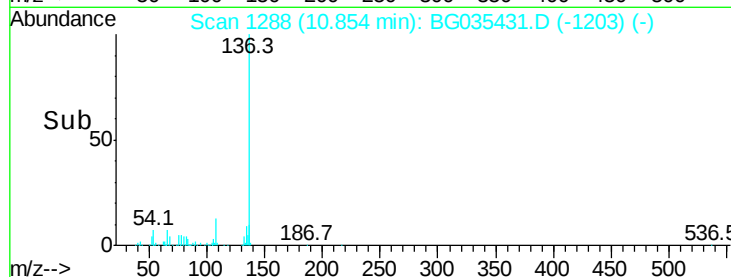
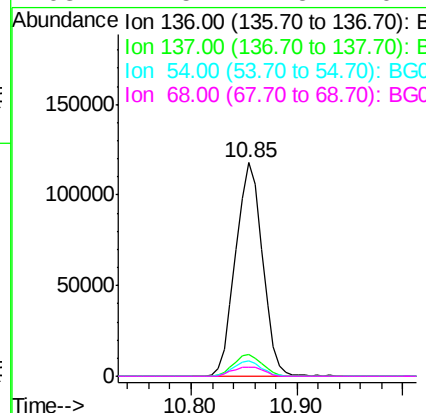
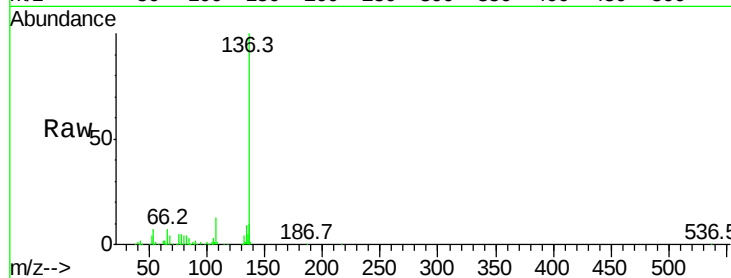




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1288
Delta R.T. -0.03 min
Lab File: BG035431.D
Acq: 27 Jun 2018 5:19

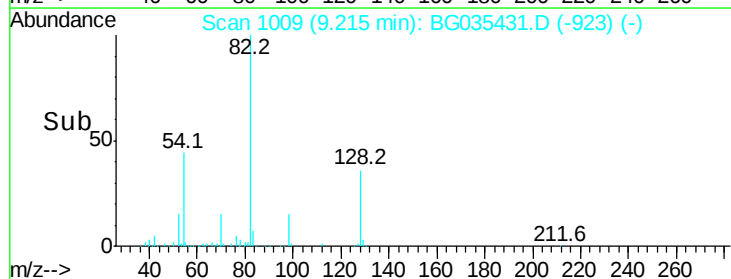
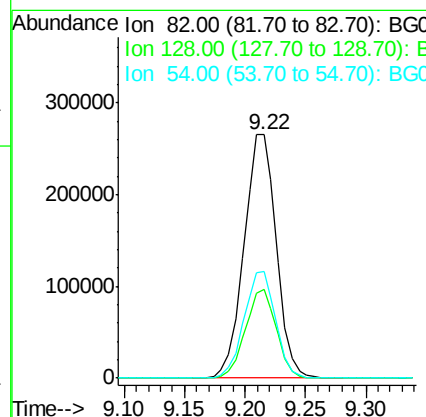
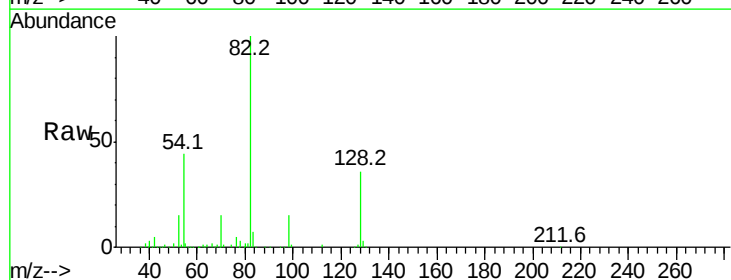
Instrument :
BNA_G
ClientSampleId :

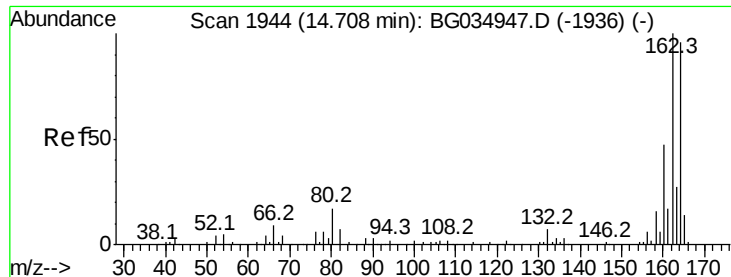
Tot Ion:	136	Resp:	207666
Ion Ratio	Lower	Upper	
136	100		
137	10.0	9.2	13.8
54	7.4	10.3	15.5#
68	4.5	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 113.061 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.02 min
Lab File: BG035431.D
Acq: 27 Jun 2018 5:19

Tgt Ion:	82	Resp:	493937
Ion Ratio	Lower	Upper	
82	100		
128	36.4	29.7	44.5
54	43.6	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.02 min

Lab File: BG035431.D

Acq: 27 Jun 2018 5:19

Instrument :

BNA_G

ClientSampleId :

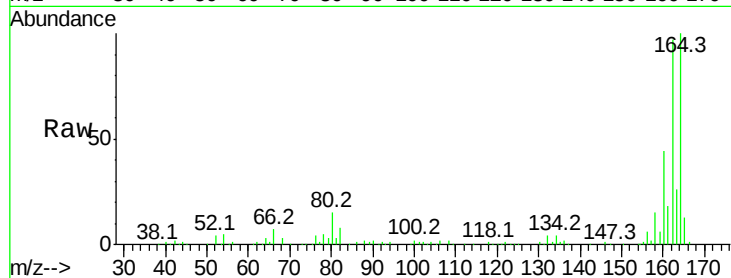
Tot Ion:164 Resp: 148117

Ion Ratio Lower Upper

164 100

162 97.0 78.8 118.2

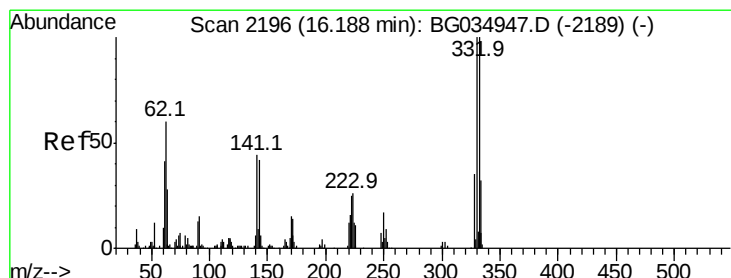
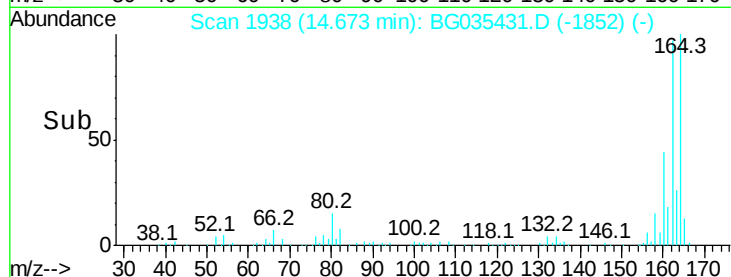
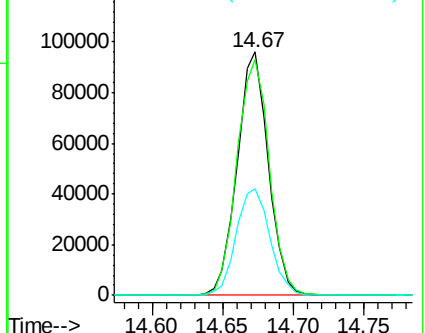
160 43.9 35.4 53.0



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: 180.211 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BG035431.D

Acq: 27 Jun 2018 5:19

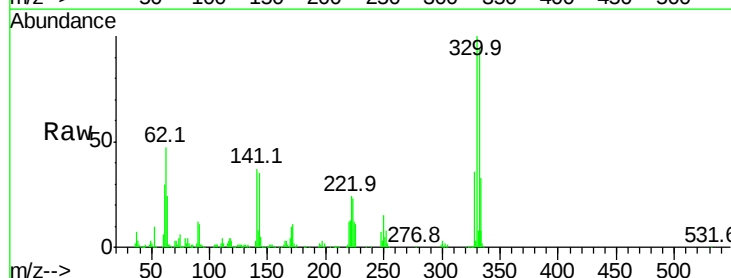
Tgt Ion:330 Resp: 341695

Ion Ratio Lower Upper

330 100

332 95.0 77.0 115.6

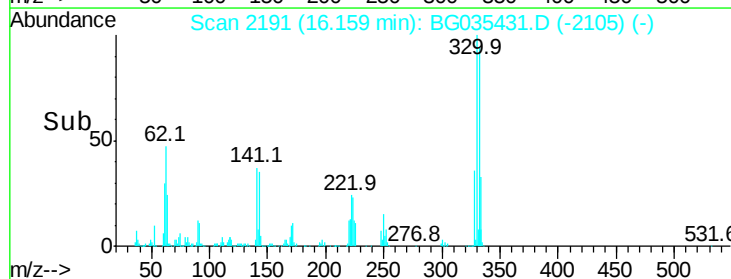
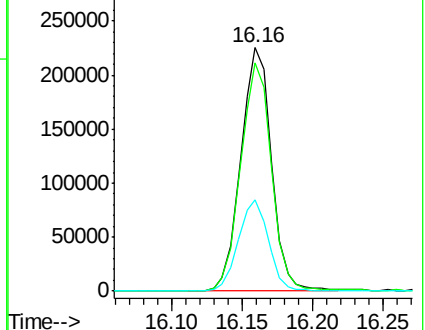
141 37.3 25.2 37.8

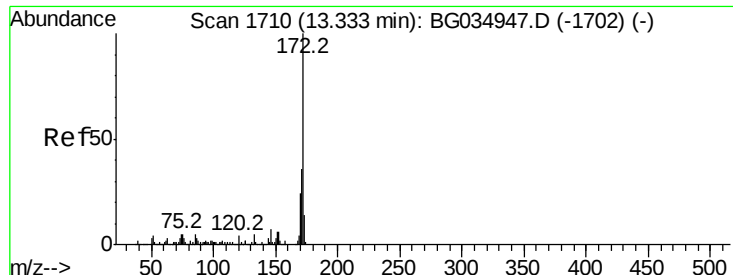


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

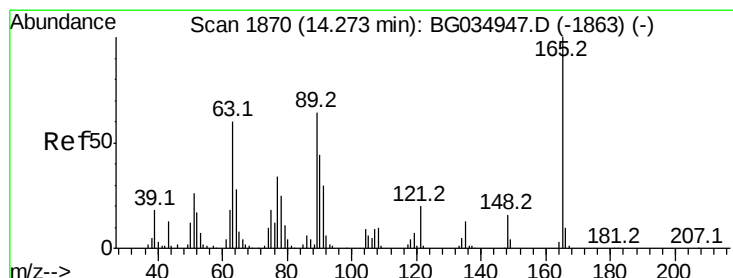
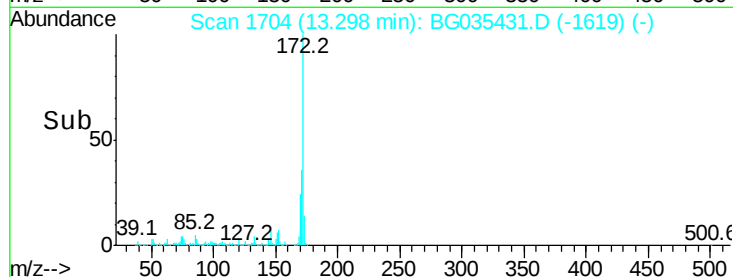
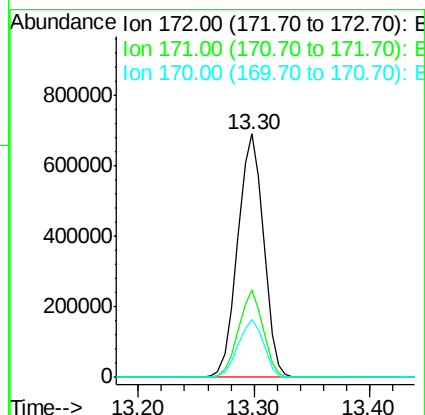
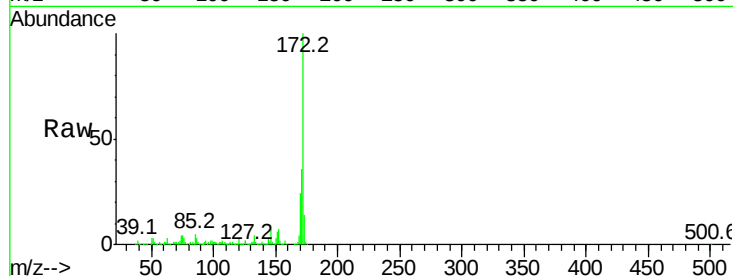




#44
2-Fluorobiphenyl
Concen: 93.959 ng
RT: 13.30 min Scan# 1704
Delta R.T. -0.03 min
Lab File: BG035431.D
Acq: 27 Jun 2018 5:19

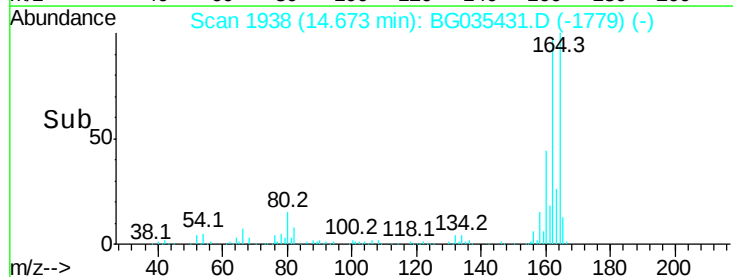
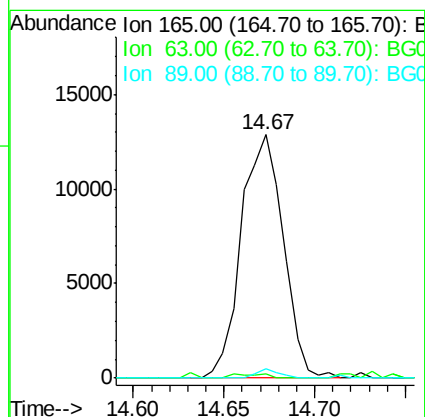
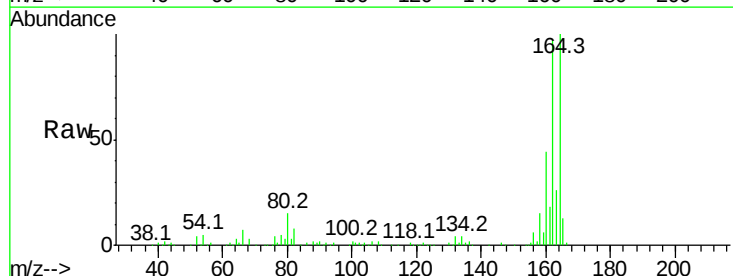
Instrument :
BNA_G
ClientSampleId :

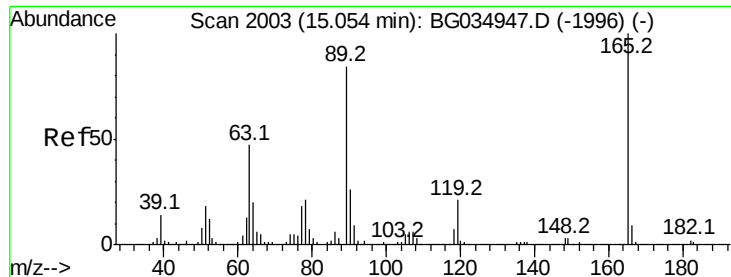
Tot Ion:172 Resp: 1070538
Ion Ratio Lower Upper
172 100
171 35.9 30.0 45.0
170 23.6 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 8.806 ng
RT: 14.67 min Scan# 1938
Delta R.T. 0.41 min
Lab File: BG035431.D
Acq: 27 Jun 2018 5:19

Tgt Ion:165 Resp: 20749
Ion Ratio Lower Upper
165 100
63 1.6 52.7 79.1#
89 4.0 49.2 73.8#

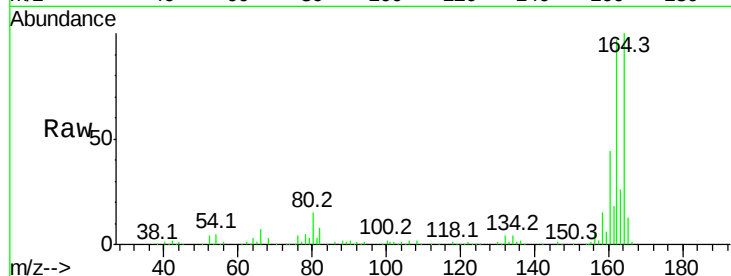




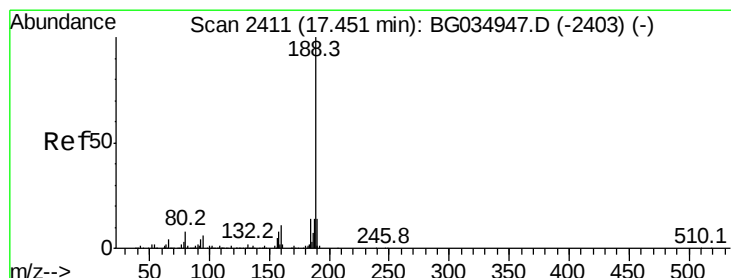
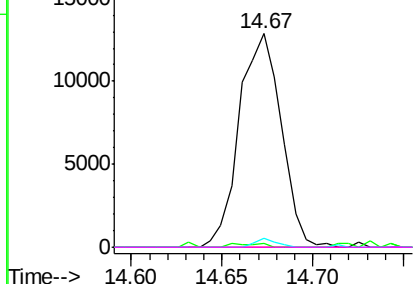
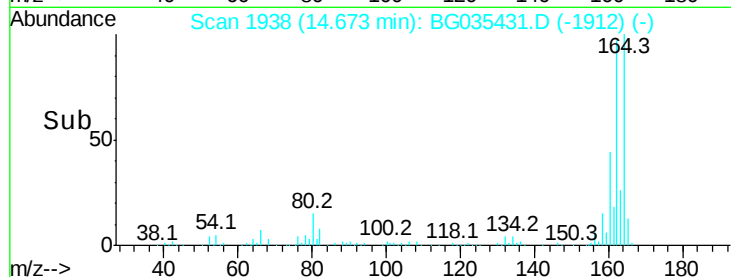
#56
2,4-Dinitrotoluene
Concen: 6.629 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.38 min
Lab File: BG035431.D
Acq: 27 Jun 2018 5:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 20749
Ion Ratio Lower Upper
165 100
63 1.6 42.0 63.0#
89 4.0 66.9 100.3#
182 0.0 2.6 3.8#

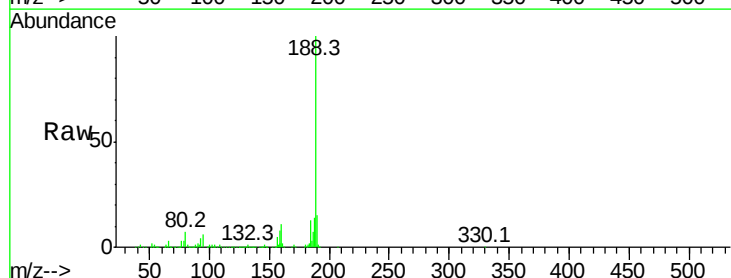


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

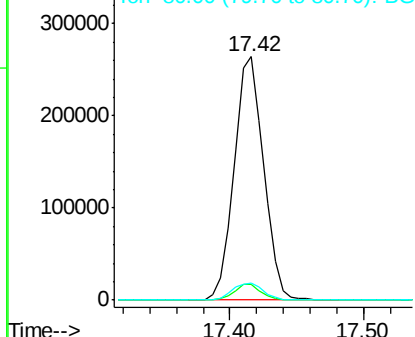
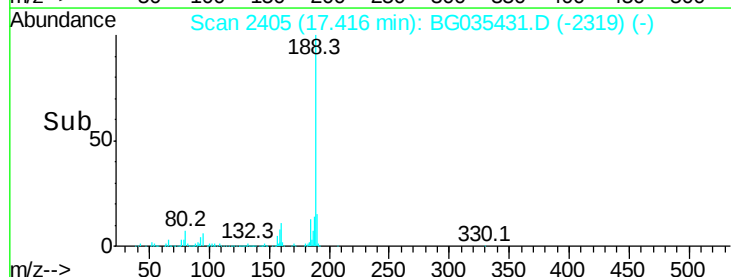


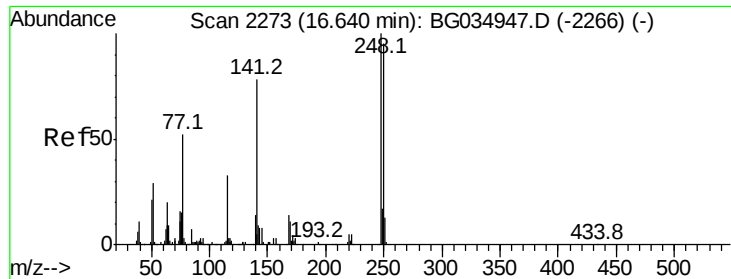
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2405
Delta R.T. -0.02 min
Lab File: BG035431.D
Acq: 27 Jun 2018 5:19

Tgt Ion:188 Resp: 405557
Ion Ratio Lower Upper
188 100
94 6.5 6.9 10.3#
80 6.9 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

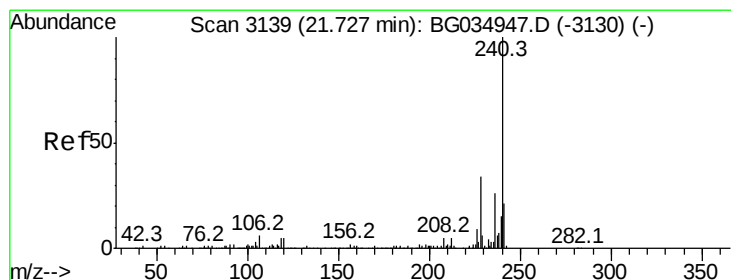
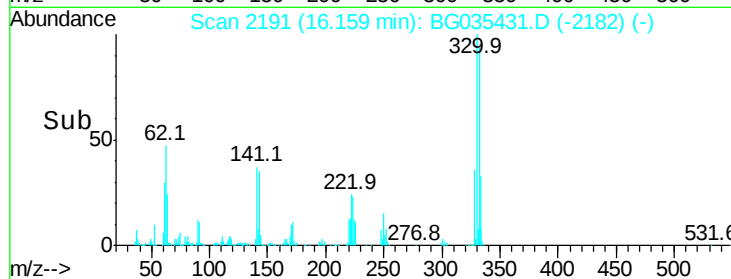
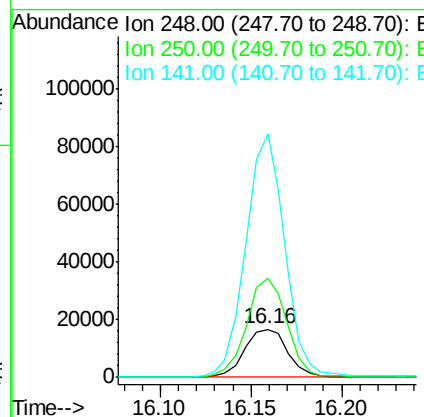
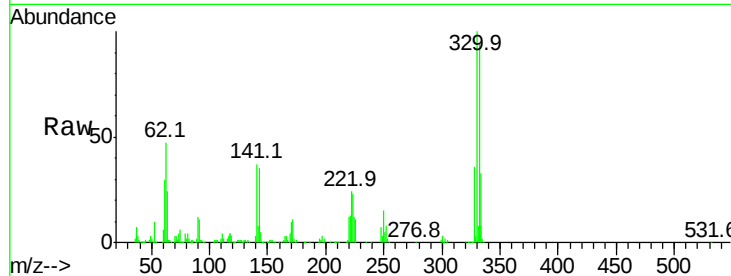




#66
 4-Bromophenyl-phenylether
 Concen: 5.655 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.48 min
 Lab File: BG035431.D
 Acq: 27 Jun 2018 5:19

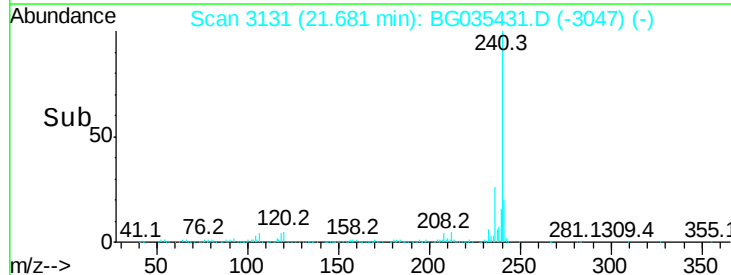
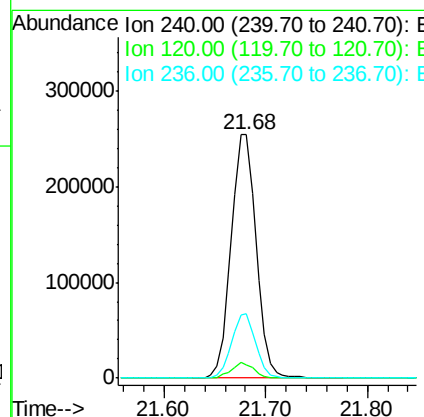
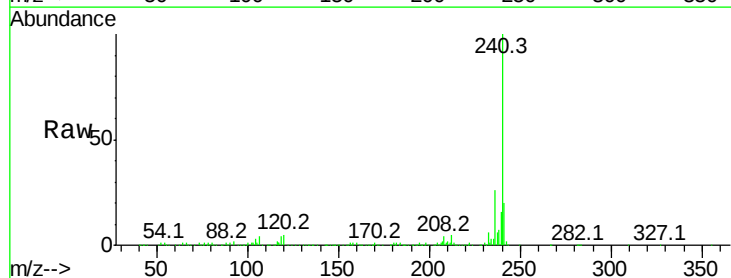
Instrument :
 BNA_G
 ClientSampleId :

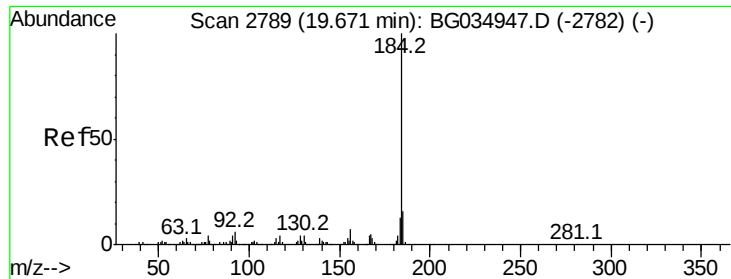
Tot Ion:248 Resp: 27619
 Ion Ratio Lower Upper
 248 100
 250 205.5 77.1 115.7#
 141 506.4 50.8 76.2#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3131
 Delta R.T. -0.04 min
 Lab File: BG035431.D
 Acq: 27 Jun 2018 5:19

Tgt Ion:240 Resp: 437700
 Ion Ratio Lower Upper
 240 100
 120 5.3 6.8 10.2#
 236 26.2 20.9 31.3





#76

Benzidine

Concen: 3.117 ng

RT: 19.64 min Scan# 2784

Delta R.T. -0.02 min

Lab File: BG035431.D

Acq: 27 Jun 2018 5:19

Instrument :

BNA_G

ClientSampleId :

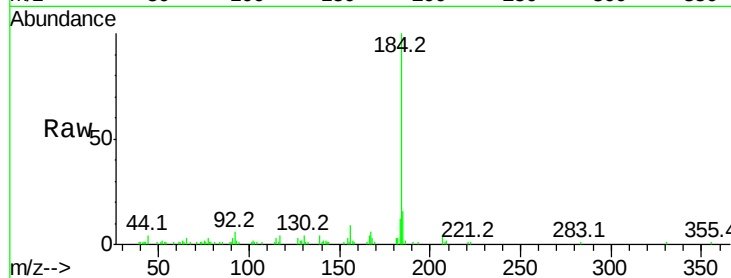
Tot Ion:184 Resp: 50765

Ion	Ratio	Lower	Upper
184	100		
185	15.9	11.1	16.7
183	12.3	10.6	16.0

184 100

185 15.9 11.1 16.7

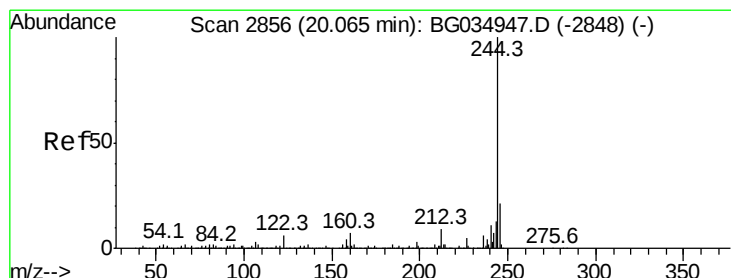
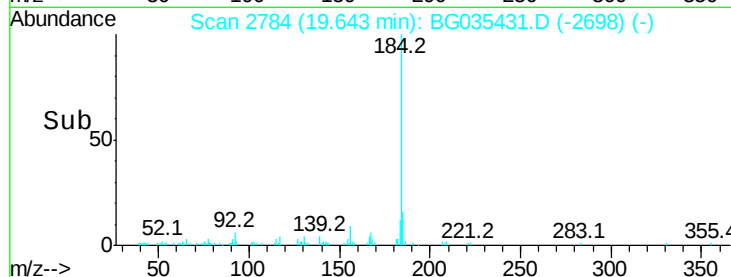
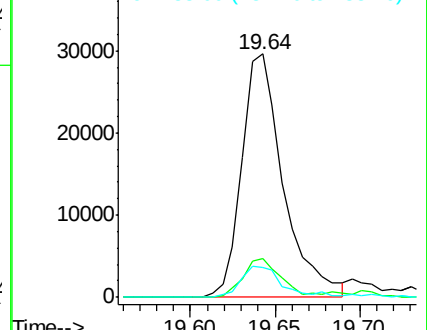
183 12.3 10.6 16.0



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: 98.769 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BG035431.D

Acq: 27 Jun 2018 5:19

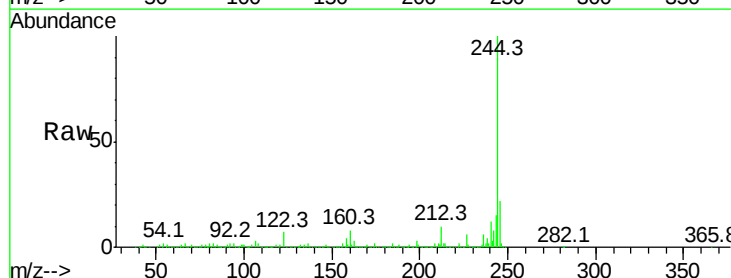
Tgt Ion:244 Resp: 2063870

Ion	Ratio	Lower	Upper
244	100		
212	10.0	5.8	8.8#
122	6.9	7.0	10.4#

244 100

212 10.0 5.8 8.8#

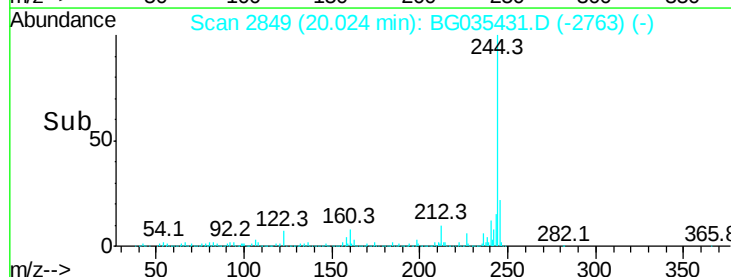
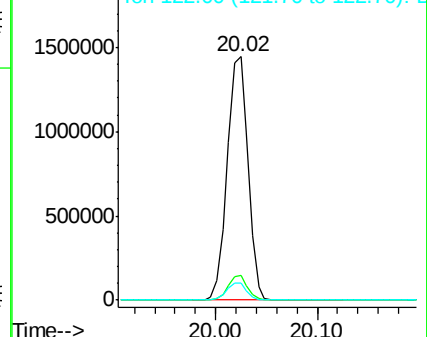
122 6.9 7.0 10.4#

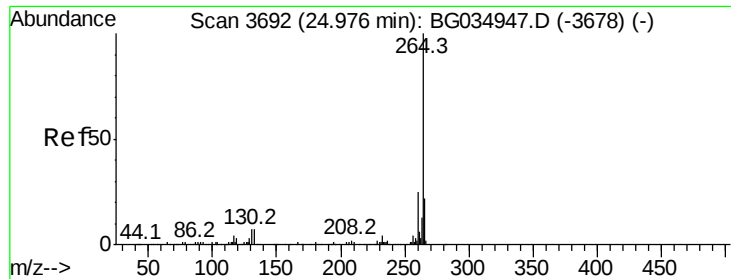


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

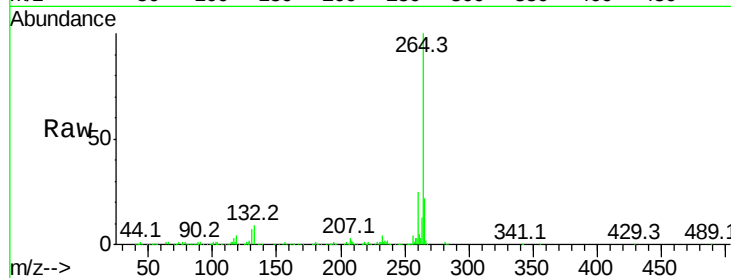




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.89 min Scan# 3678
 Delta R.T. -0.06 min
 Lab File: BG035431.D
 Acq: 27 Jun 2018 5:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	17.4	26.0
265	22.0	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

