

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062118\
 Data File : BG035320.D
 Acq On : 22 Jun 2018 5:41
 Operator : JU/SJ
 Sample : J3603-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 22 06:55:38 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

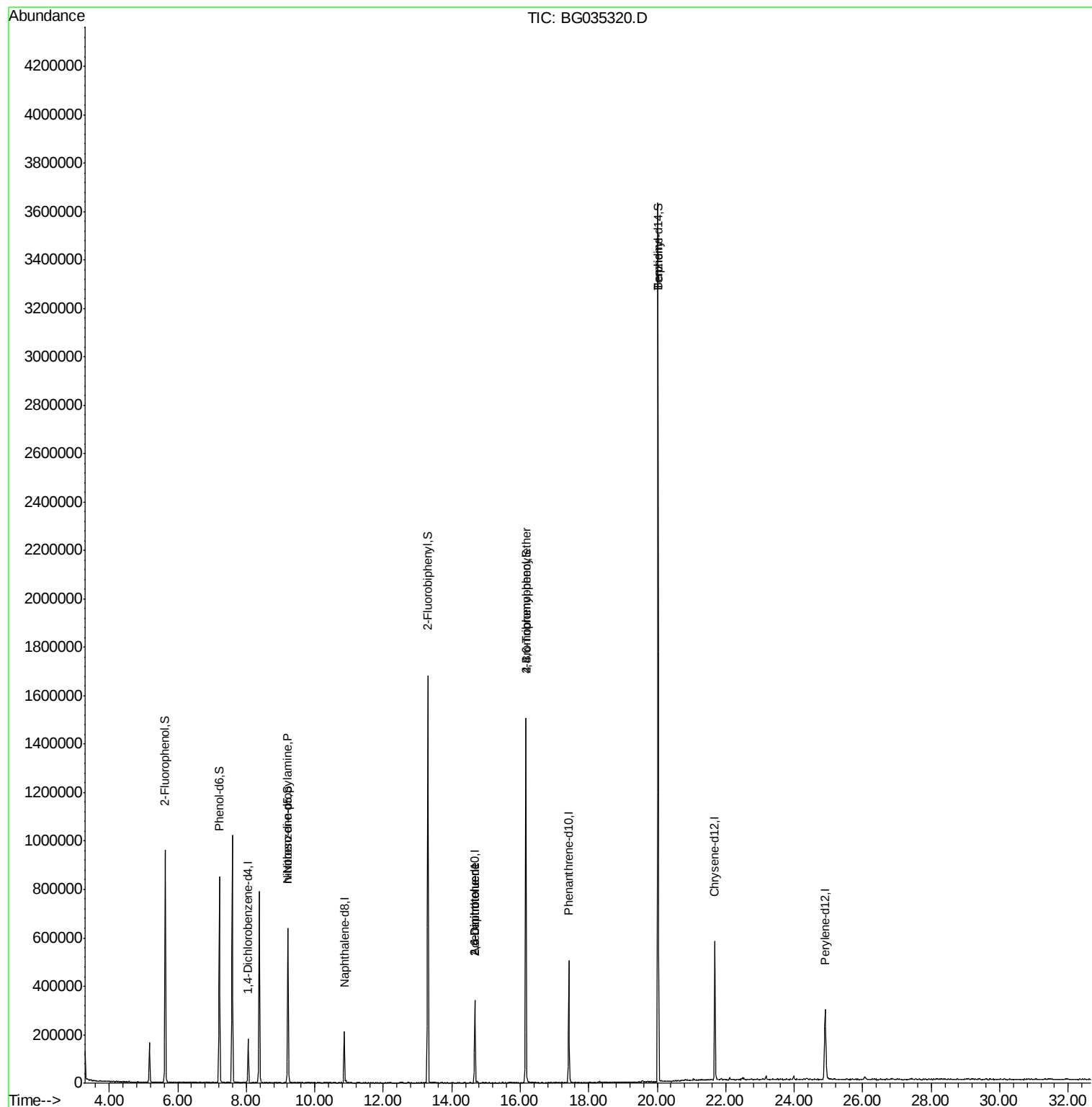
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	51674	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	177972	20.00	ng	-0.02
38) Acenaphthene-d10	14.67	164	122319	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	331648	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	364457	20.00	ng	-0.04
86) Perylene-d12	24.90	264	339849	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	418740	136.76	ng	-0.01
7) Phenol-d6	7.22	99	531506	117.61	ng	0.00
23) Nitrobenzene-d5	9.22	82	422687	112.89	ng	-0.02
41) 2,4,6-Tribromophenol	16.16	330	292094	186.54	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	934286	99.30	ng	-0.02
78) Terphenyl-d14	20.02	244	1721492	98.94	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	56613	14.745	ng	# 70
50) 2,6-Dinitrotoluene	14.68	165	15737	8.087	ng	# 18
56) 2,4-Dinitrotoluene	14.68	165	15737	6.088	ng	# 16
66) 4-Bromophenyl-phenylether	16.16	248	21782	5.454	ng	# 1
76) Benzidine	20.02	184	30960	2.283	ng	# 91

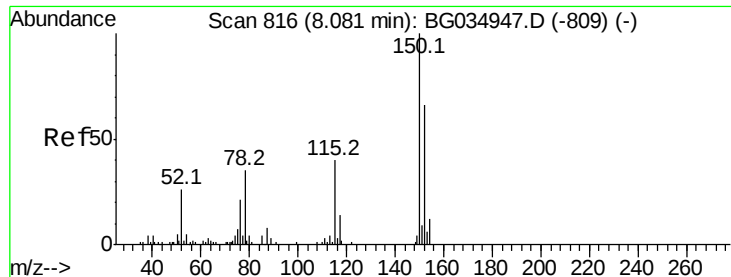
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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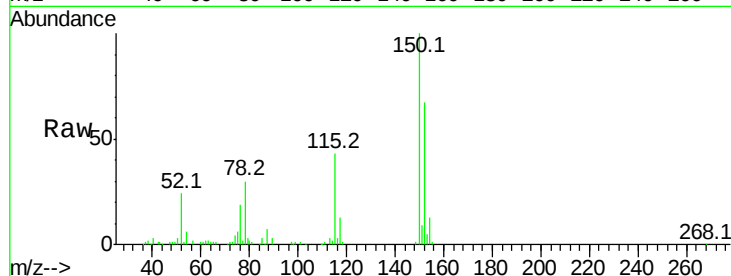


#1

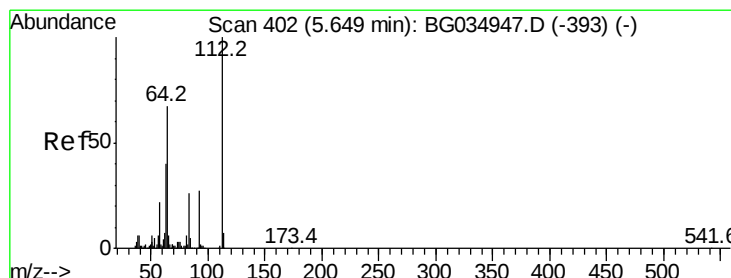
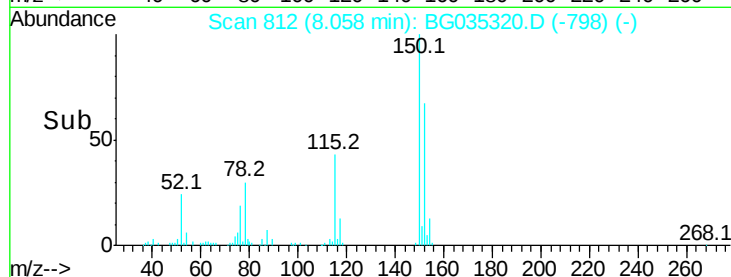
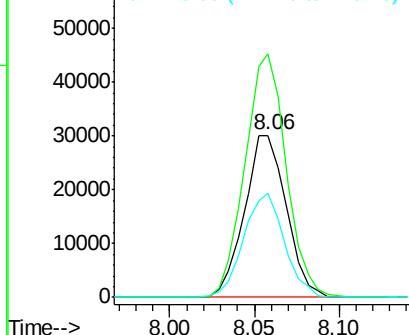
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.02 min
Lab File: BG035320.D
Acq: 22 Jun 2018 5:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 51674
Ion Ratio Lower Upper
152 100
150 150.1 126.6 189.8
115 64.5 53.0 79.4



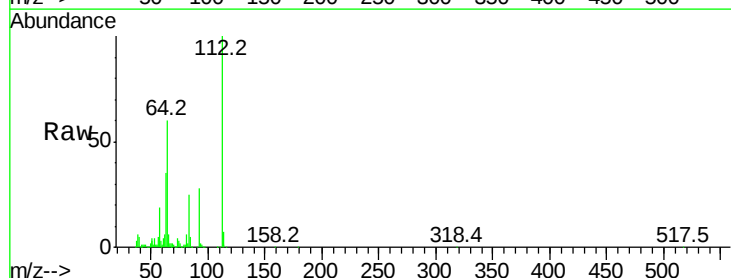
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



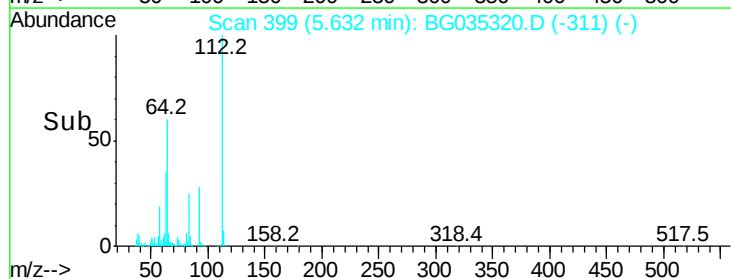
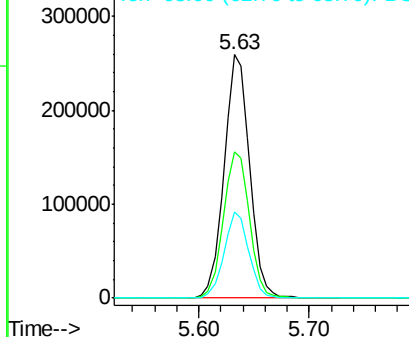
#5

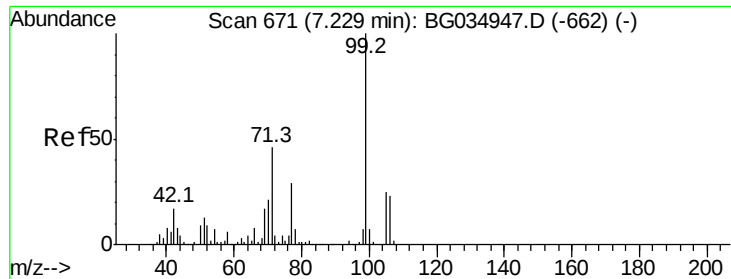
2-Fluorophenol
Concen: 136.755 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035320.D
Acq: 22 Jun 2018 5:41

Tgt Ion:112 Resp: 418740
Ion Ratio Lower Upper
112 100
64 60.2 56.3 84.5
63 35.3 30.1 45.1



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





#7

Phenol-d6

Concen: 117.609 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG035320.D

Acq: 22 Jun 2018 5:41

Instrument :

BNA_G

ClientSampleId :

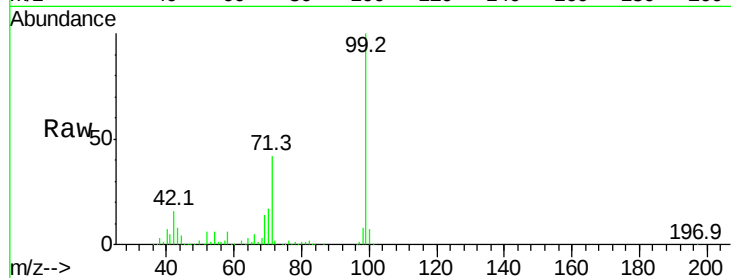
Tot Ion: 99 Resp: 531506

Ion Ratio Lower Upper

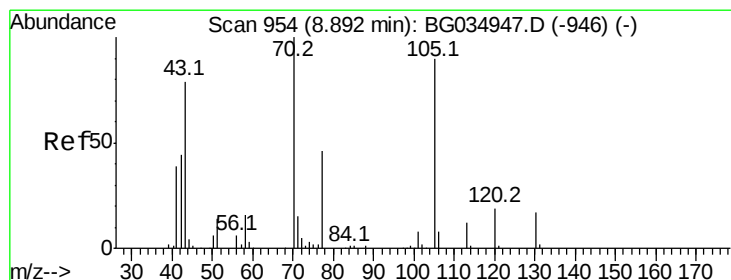
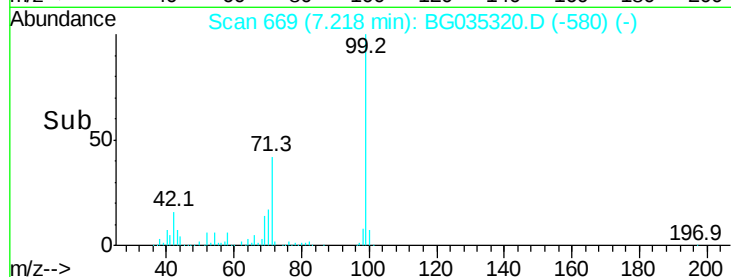
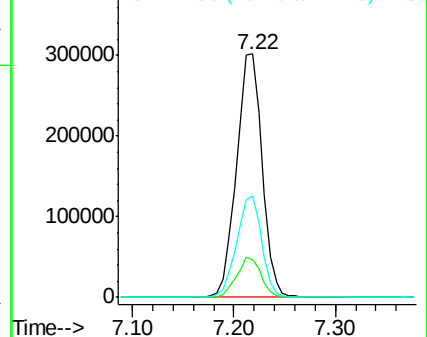
99 100

42 15.7 14.1 21.1

71 41.8 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: 14.745 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.33 min

Lab File: BG035320.D

Acq: 22 Jun 2018 5:41

Tgt Ion: 70 Resp: 56613

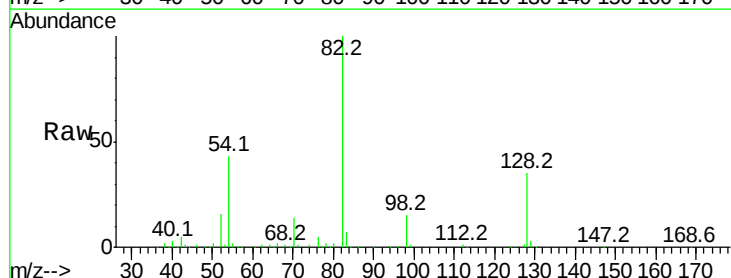
Ion Ratio Lower Upper

70 100

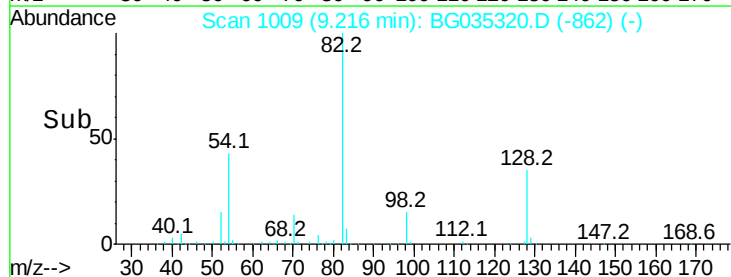
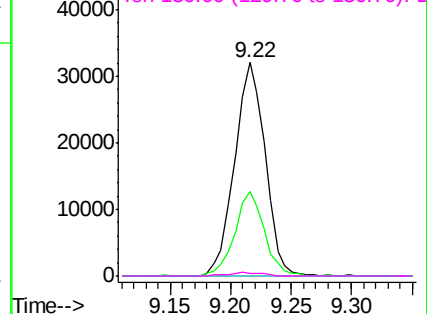
42 39.7 49.1 73.7#

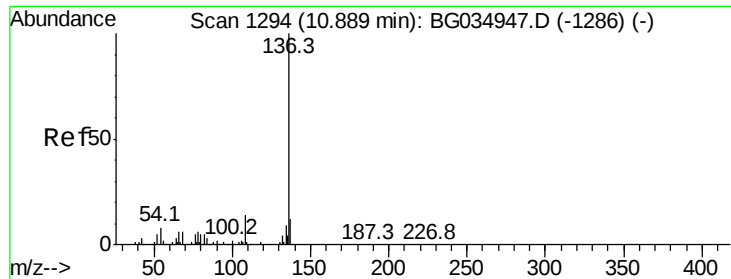
101 0.0 8.5 12.7#

130 1.5 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

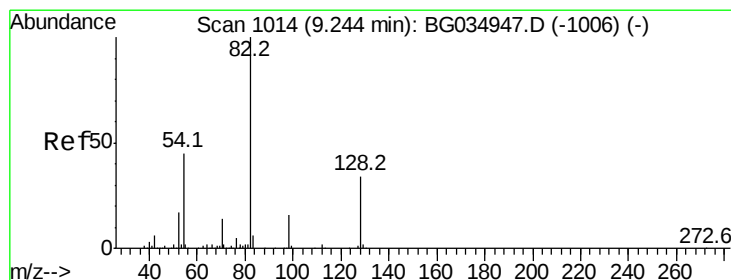
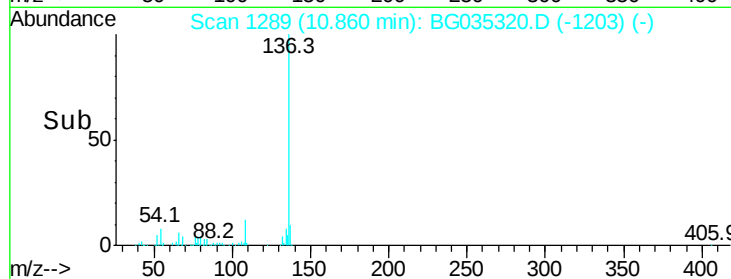
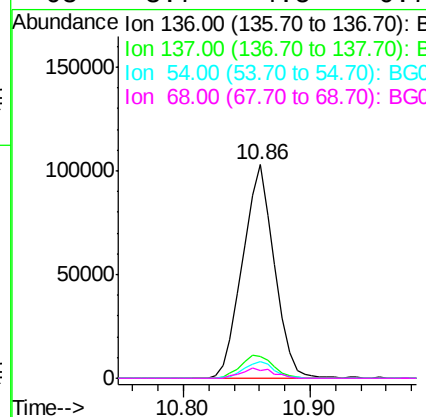
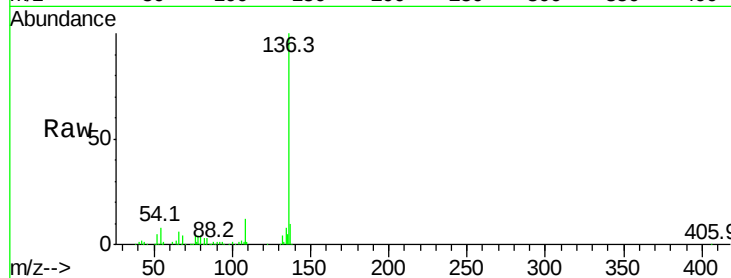




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.02 min
Lab File: BG035320.D
Acq: 22 Jun 2018 5:41

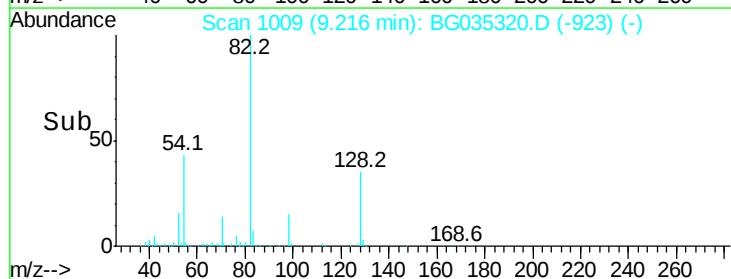
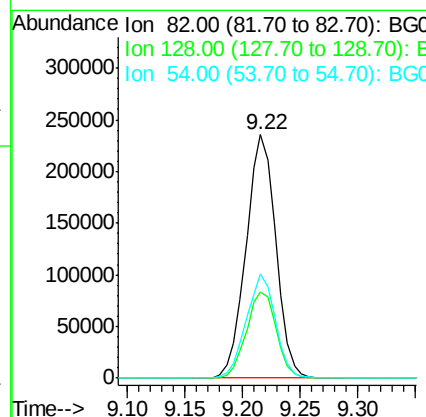
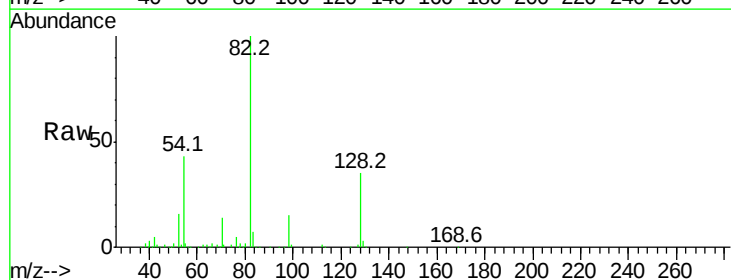
Instrument :
BNA_G
ClientSampleId :

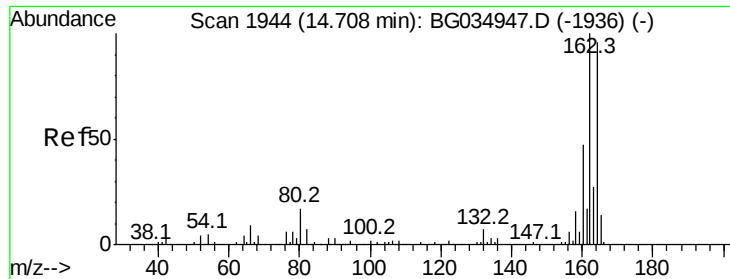
Tot Ion:	136	Resp:	177972
Ion	Ratio	Lower	Upper
136	100		
137	10.0	9.2	13.8
54	7.6	10.3	15.5#
68	3.7	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 112.895 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.02 min
Lab File: BG035320.D
Acq: 22 Jun 2018 5:41

Tgt Ion:	82	Resp:	422687
Ion	Ratio	Lower	Upper
82	100		
128	35.4	29.7	44.5
54	42.8	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: BG035320.D

Acq: 22 Jun 2018 5:41

Instrument :

BNA_G

ClientSampleId :

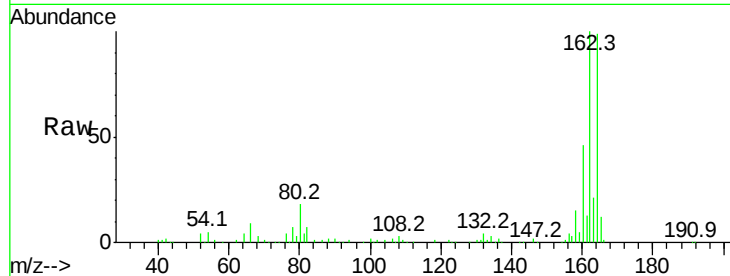
Tot Ion:164 Resp: 122319

Ion Ratio Lower Upper

164 100

162 101.2 78.8 118.2

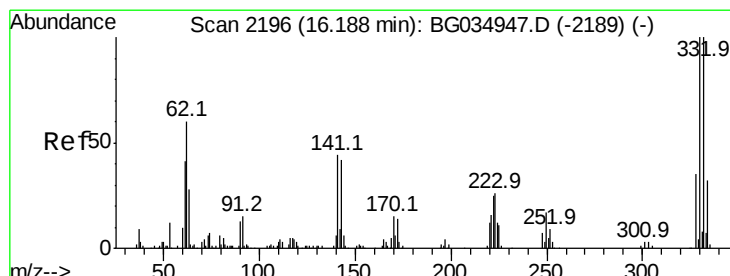
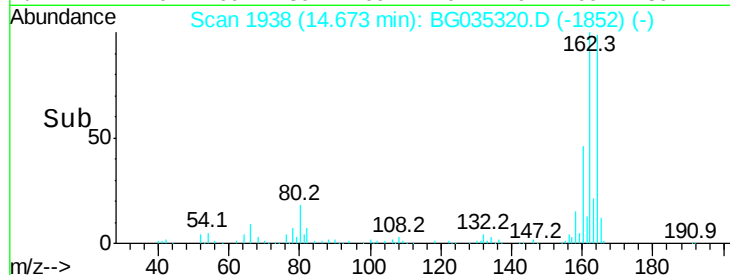
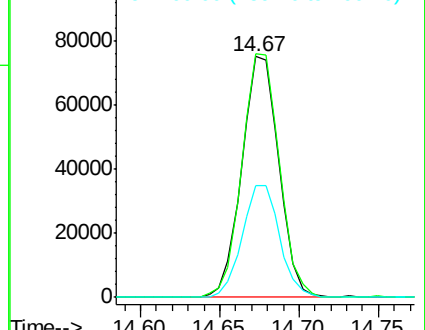
160 46.3 35.4 53.0



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: 186.542 ng

RT: 16.16 min Scan# 2192

Delta R.T. -0.02 min

Lab File: BG035320.D

Acq: 22 Jun 2018 5:41

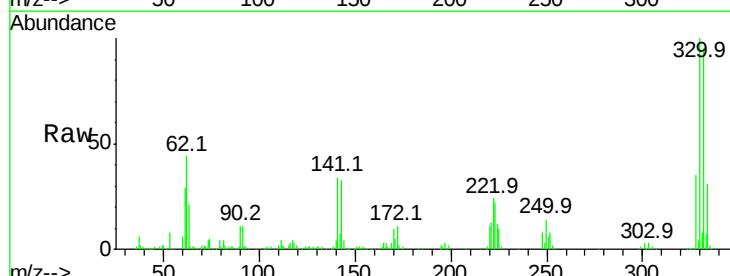
Tgt Ion:330 Resp: 292094

Ion Ratio Lower Upper

330 100

332 94.5 77.0 115.6

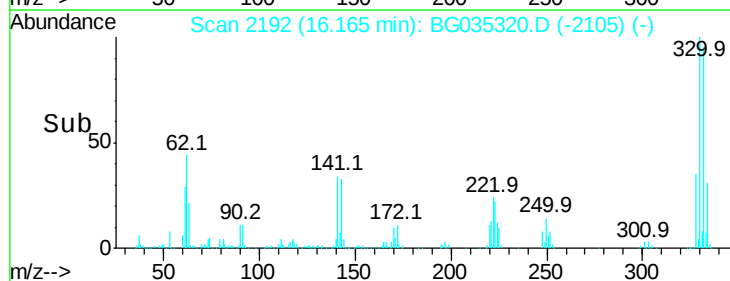
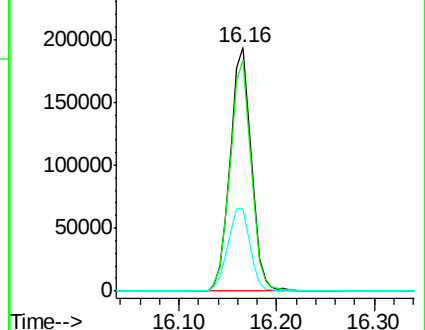
141 36.1 25.2 37.8

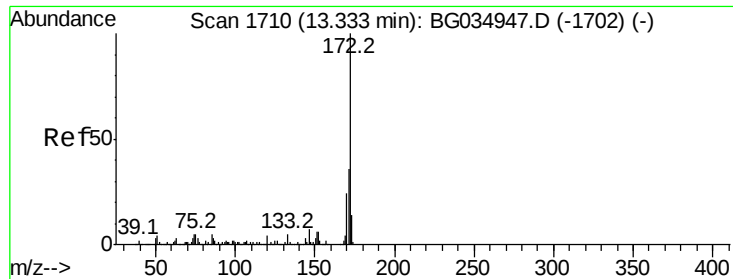


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 99.295 ng

RT: 13.30 min Scan# 1705

Delta R.T. -0.02 min

Lab File: BG035320.D

Acq: 22 Jun 2018 5:41

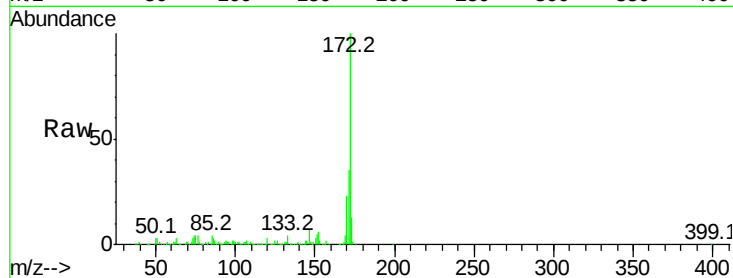
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 934286

Ion	Ratio	Lower	Upper
172	100		
171	34.9	30.0	45.0
170	22.7	19.5	29.3

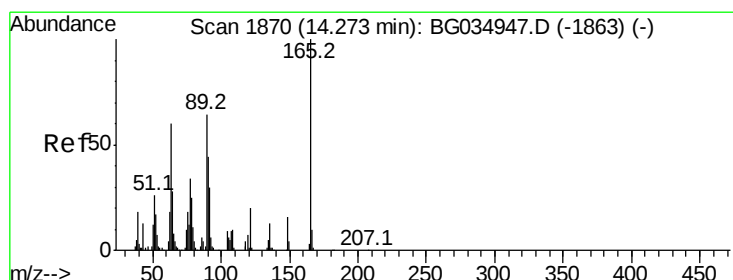
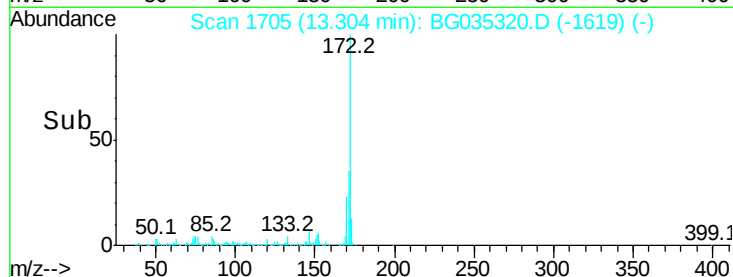
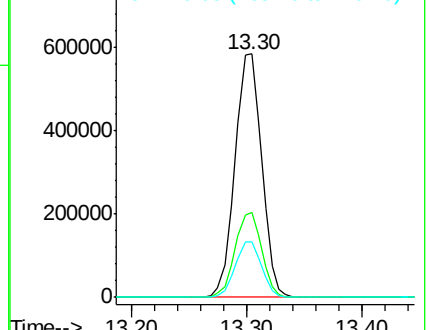


Abundance

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



#50

2,6-Dinitrotoluene

Concen: 8.087 ng

RT: 14.68 min Scan# 1939

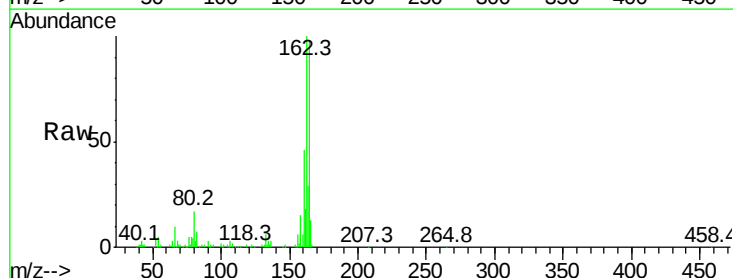
Delta R.T. 0.41 min

Lab File: BG035320.D

Acq: 22 Jun 2018 5:41

Tgt Ion:165 Resp: 15737

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

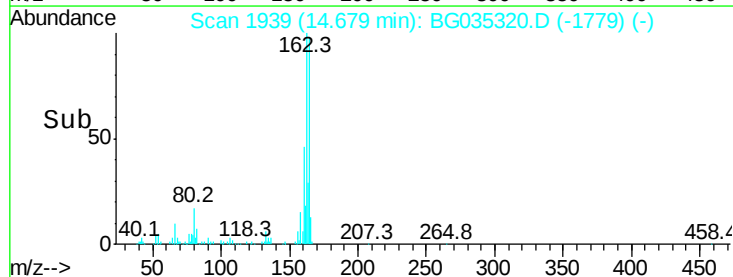
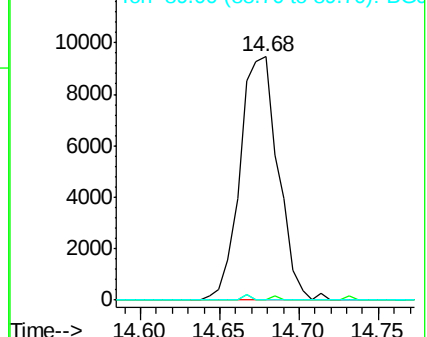


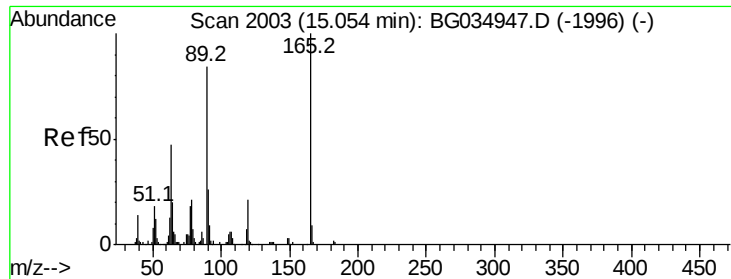
Abundance

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

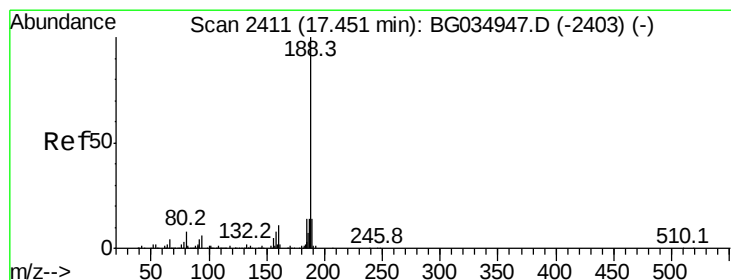
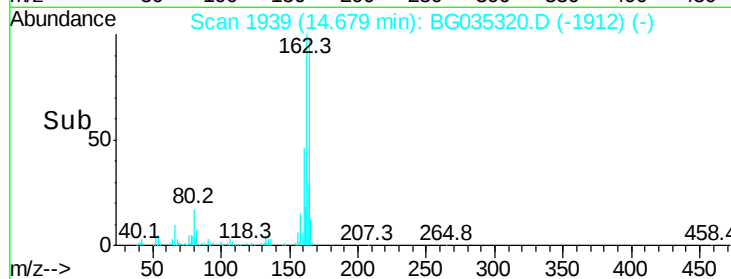
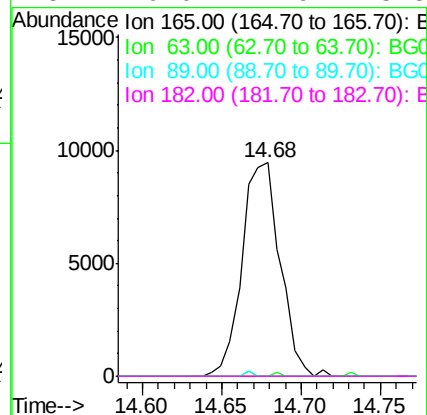
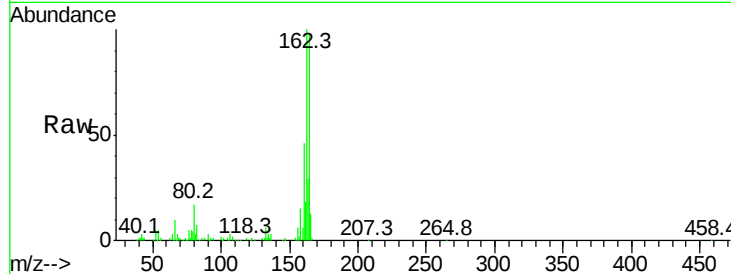




#56
2,4-Dinitrotoluene
Concen: 6.088 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.37 min
Lab File: BG035320.D
Acq: 22 Jun 2018 5:41

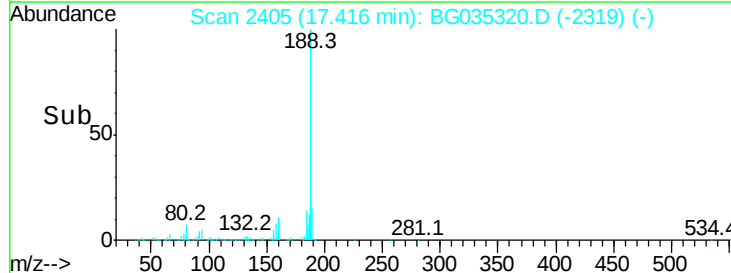
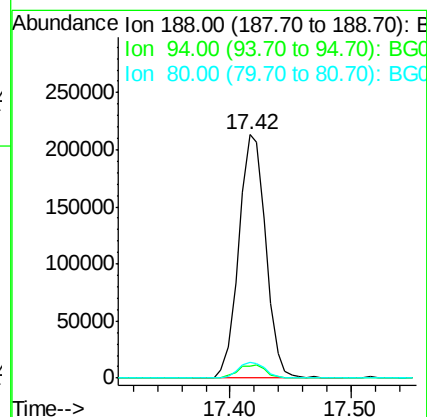
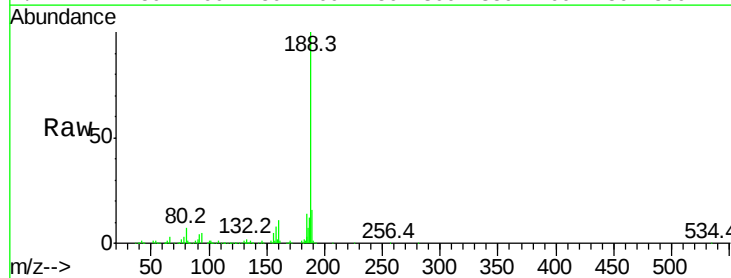
Instrument :
BNA_G
ClientSampleId :

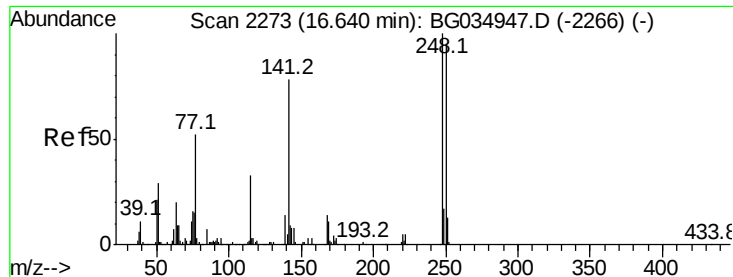
Tot Ion:165 Resp: 15737
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2405
Delta R.T. -0.02 min
Lab File: BG035320.D
Acq: 22 Jun 2018 5:41

Tgt Ion:188 Resp: 331648
Ion Ratio Lower Upper
188 100
94 5.1 6.9 10.3#
80 6.6 7.7 11.5#

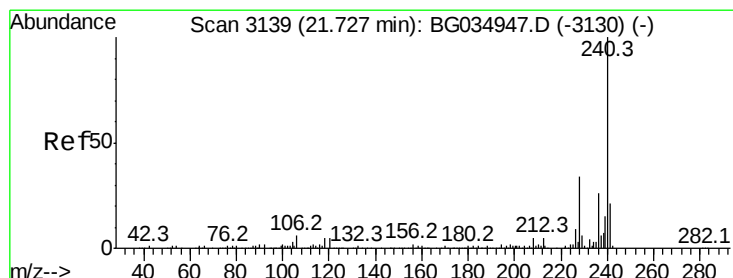
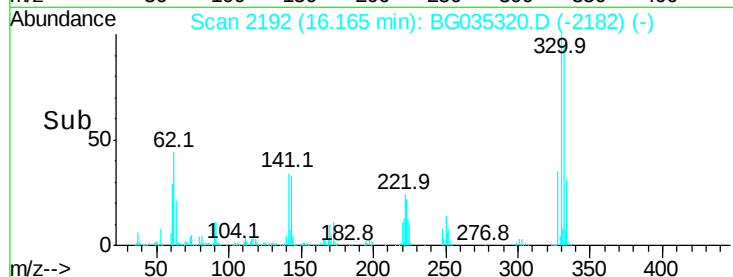
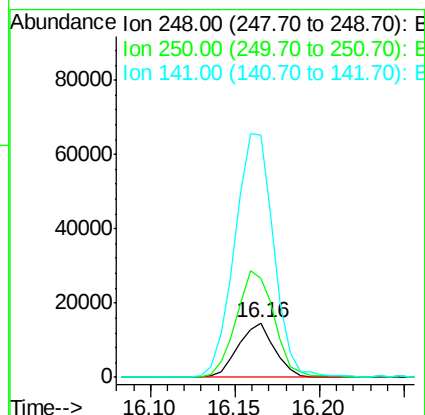
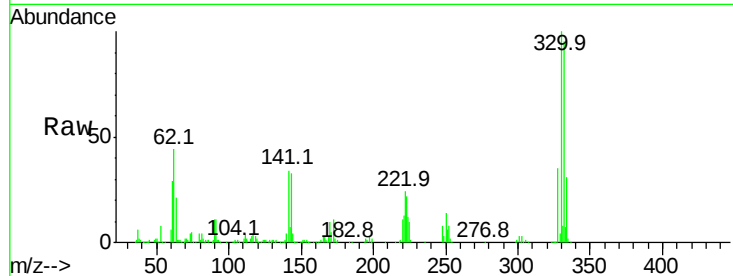




#66
4-Bromophenyl-phenylether
Concen: 5.454 ng
RT: 16.16 min Scan# 2192
Delta R.T. -0.47 min
Lab File: BG035320.D
Acq: 22 Jun 2018 5:41

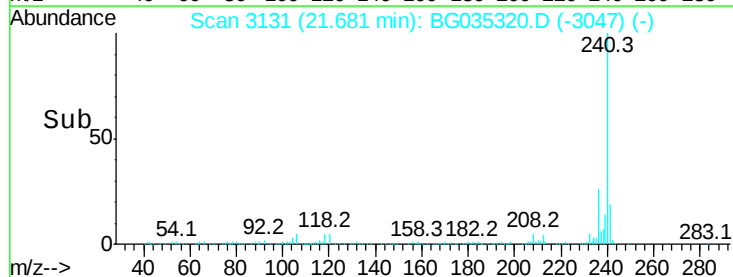
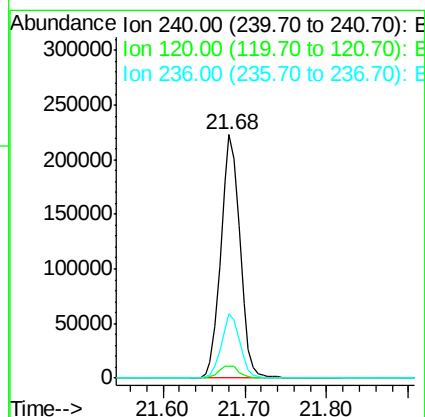
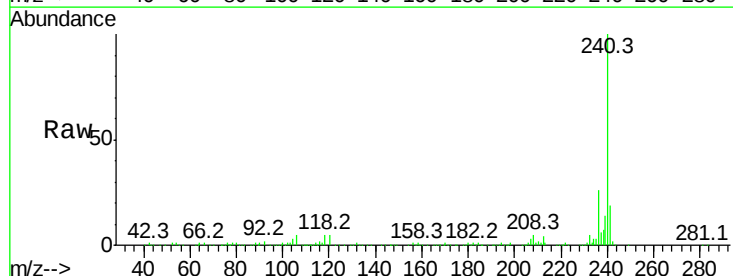
Instrument :
BNA_G
ClientSampled :

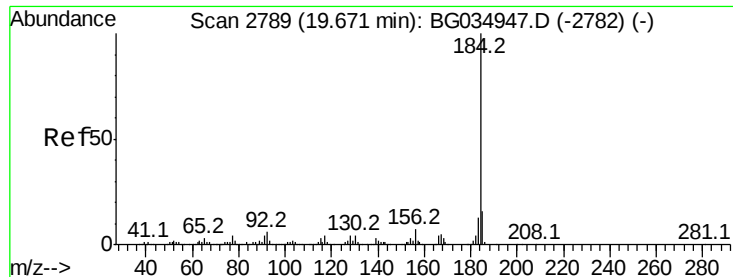
Tot Ion:248 Resp: 21782
Ion Ratio Lower Upper
248 100
250 181.9 77.1 115.7#
141 442.7 50.8 76.2#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3131
Delta R.T. -0.04 min
Lab File: BG035320.D
Acq: 22 Jun 2018 5:41

Tgt Ion:240 Resp: 364457
Ion Ratio Lower Upper
240 100
120 5.0 6.8 10.2#
236 26.4 20.9 31.3





#76

Benzidine

Concen: 2.283 ng

RT: 20.02 min Scan# 2849

Delta R.T. 0.36 min

Lab File: BG035320.D

Acq: 22 Jun 2018 5:41

Instrument :

BNA_G

ClientSampleId :

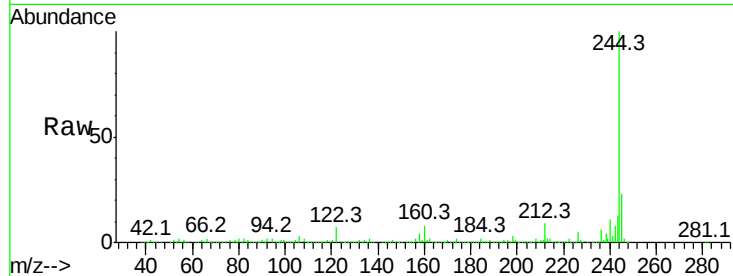
Tot Ion:184 Resp: 30960

Ion Ratio Lower Upper

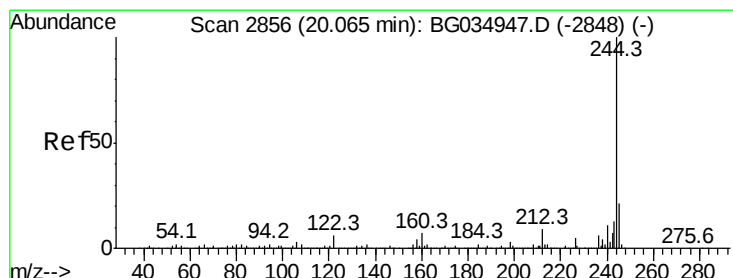
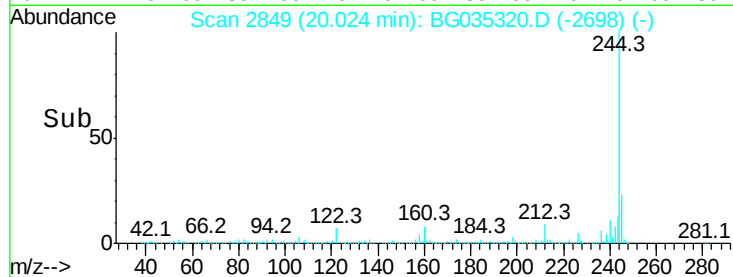
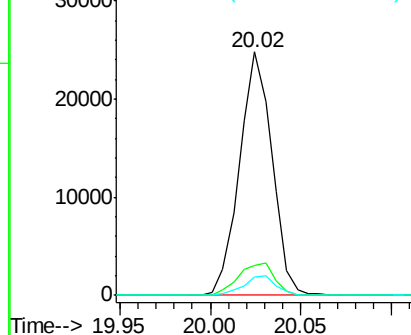
184 100

185 12.3 11.1 16.7

183 7.4 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: 98.941 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BG035320.D

Acq: 22 Jun 2018 5:41

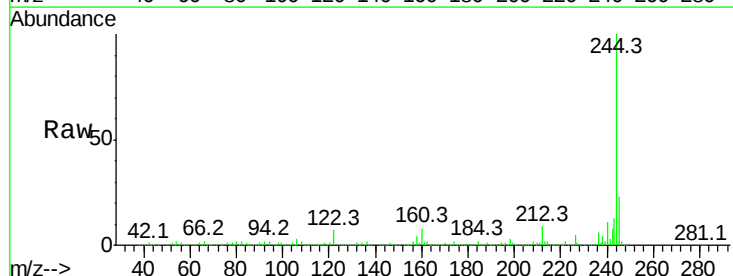
Tgt Ion:244 Resp: 1721492

Ion Ratio Lower Upper

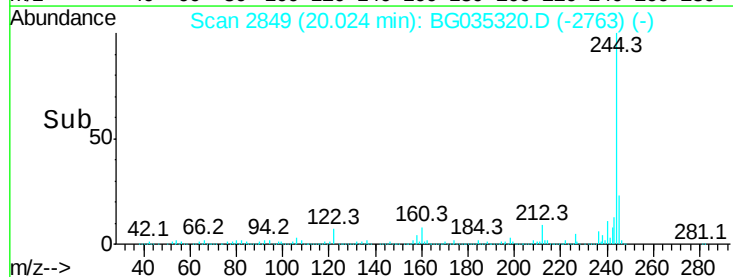
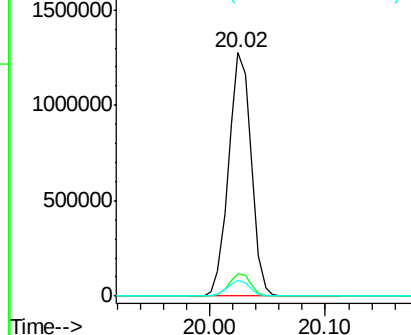
244 100

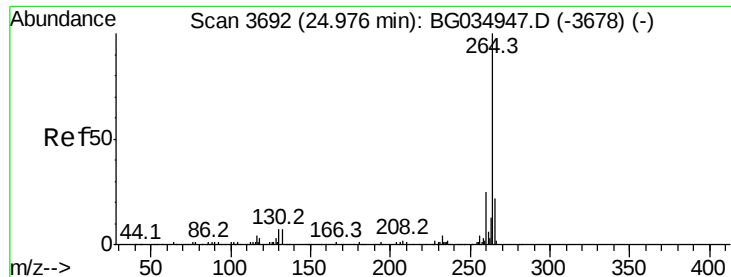
212 9.1 5.8 8.8#

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

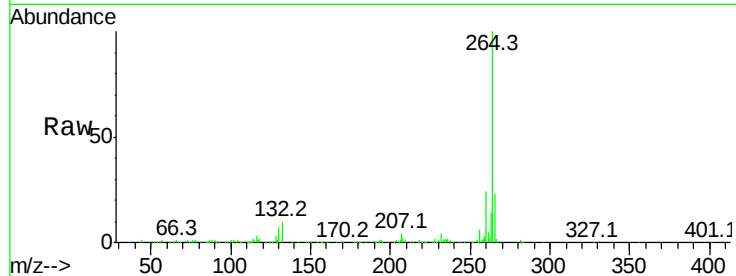




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3679
Delta R.T. -0.05 min
Lab File: BG035320.D
Acq: 22 Jun 2018 5:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	17.4	26.0
265	23.1	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

