

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042919\
 Data File : BG040666.D
 Acq On : 29 Apr 2019 17:56
 Operator : JU/SJ
 Sample : PB119264BL
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 30 01:48:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

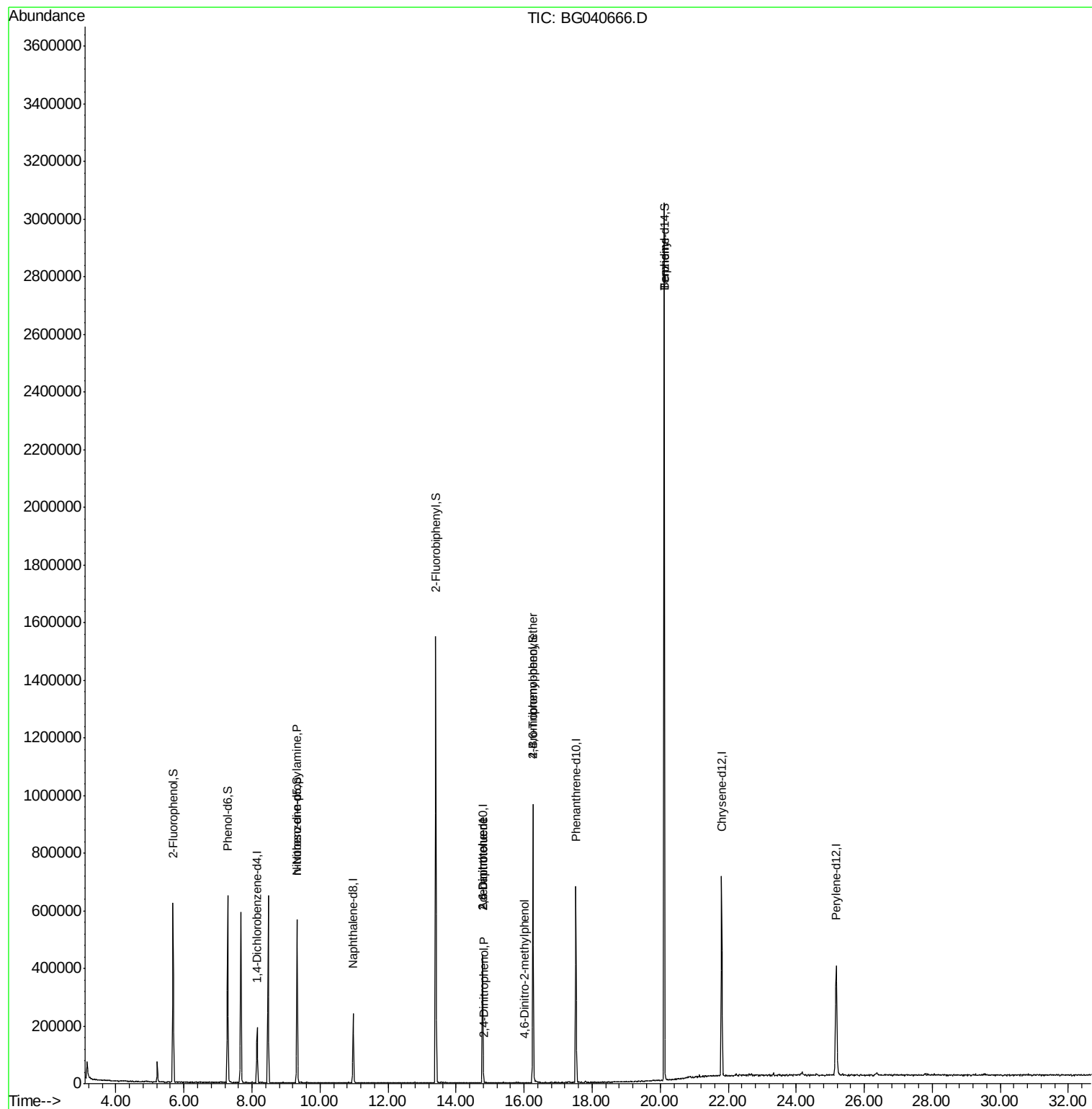
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	48735	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	189921	20.00	ng	-0.01
39) Acenaphthene-d10	14.78	164	143263	20.00	ng	-0.01
64) Phenanthrene-d10	17.52	188	399935	20.00	ng	-0.01
76) Chrysene-d12	21.81	240	408954	20.00	ng	-0.02
87) Perylene-d12	25.17	264	432393	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	221302	80.05	ng	0.00
7) Phenol-d6	7.28	99	317105	74.49	ng	-0.01
23) Nitrobenzene-d5	9.33	82	332468	80.89	ng	-0.01
42) 2,4,6-Tribromophenol	16.26	330	163830	83.20	ng	-0.01
45) 2-Fluorobiphenyl	13.41	172	731251	73.72	ng	-0.01
79) Terphenyl-d14	20.12	244	1404890	76.11	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.29	77	550	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	9.33	70	47925	12.507 ng	#	6
51) 2,6-Dinitrotoluene	14.77	165	18760	8.019 ng	#	13
54) 2,4-Dinitrophenol	14.83	184	71	7.064 ng	#	21
57) 2,4-Dinitrotoluene	14.77	165	18760	5.901 ng	#	15
65) 4,6-Dinitro-2-methylphenol	16.02	198	60	7.127 ng	#	28
67) 4-Bromophenyl-phenylether	16.26	248	12163	2.441 ng	#	1
77) Benzydine	20.12	184	24822	2.217 ng	#	91

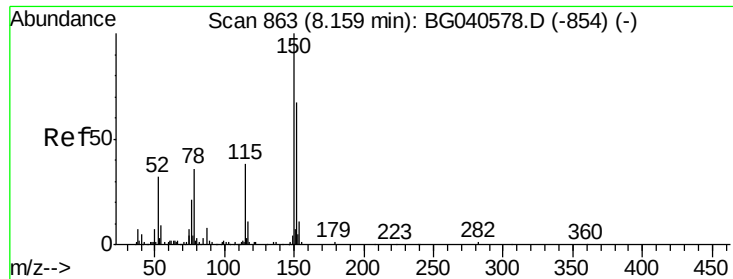
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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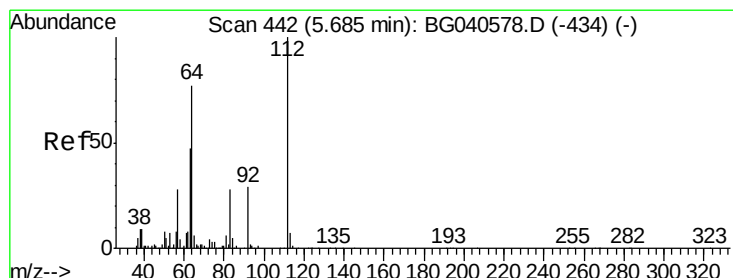
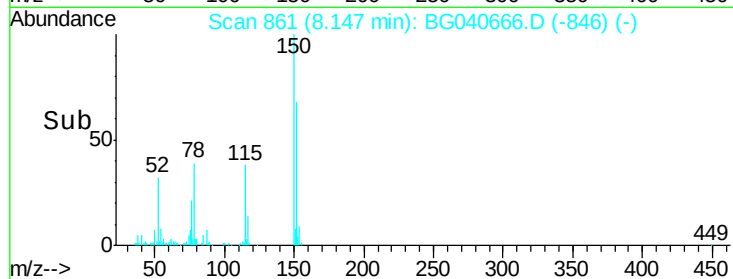
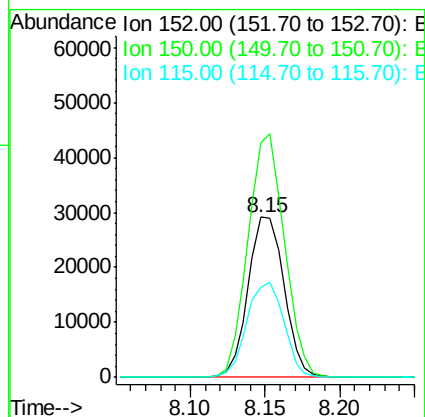
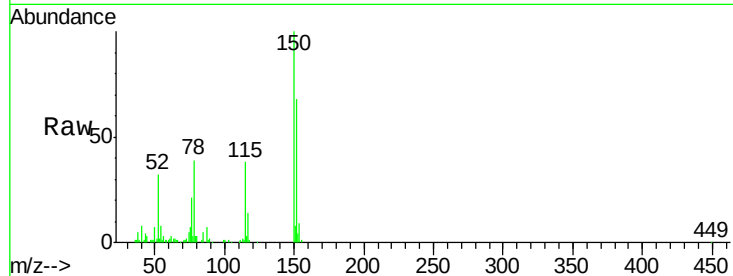


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040666.D
Acq: 29 Apr 2019 17:56

Instrument :
BNA_G
ClientSampleId :

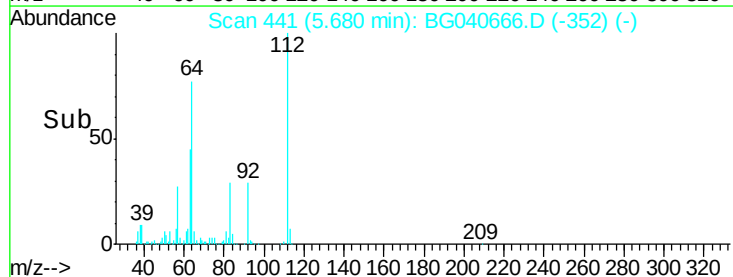
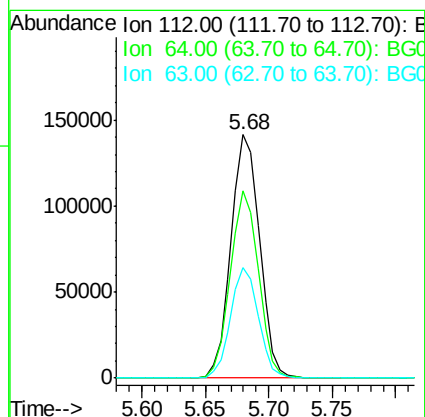
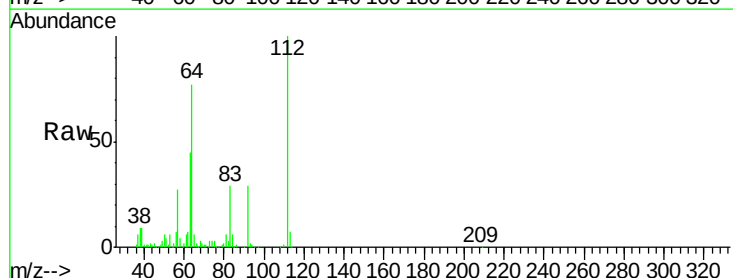
Tot Ion	152	Resp	48735
Ion Ratio	Lower	Upper	
152	100		
150	146.9	120.2	180.2
115	56.5	46.2	69.2

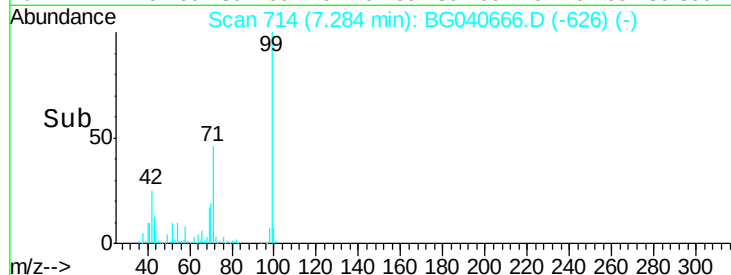
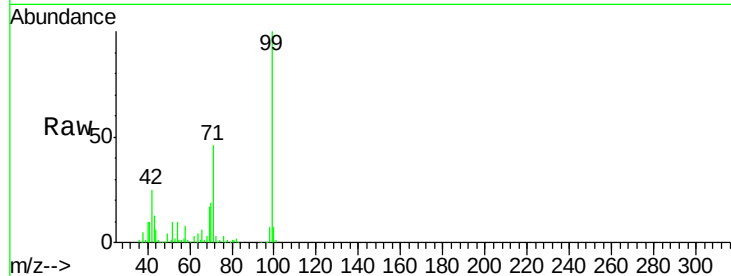
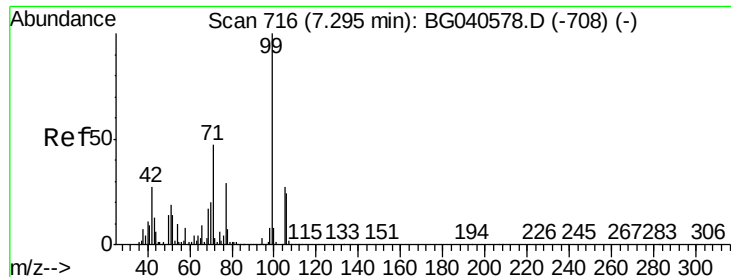


#5

2-Fluorophenol
Concen: 80.046 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.00 min
Lab File: BG040666.D
Acq: 29 Apr 2019 17:56

Tgt Ion	112	Resp	221302
Ion Ratio	Lower	Upper	
112	100		
64	77.1	61.4	92.0
63	45.3	37.8	56.6





#7

Phenol-d6

Concen: 74.493 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040666.D

Acq: 29 Apr 2019 17:56

Instrument :

BNA_G

ClientSampleId :

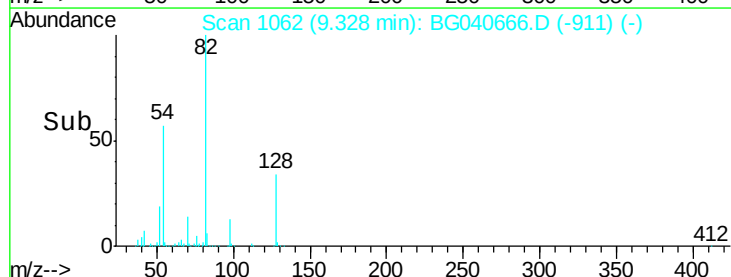
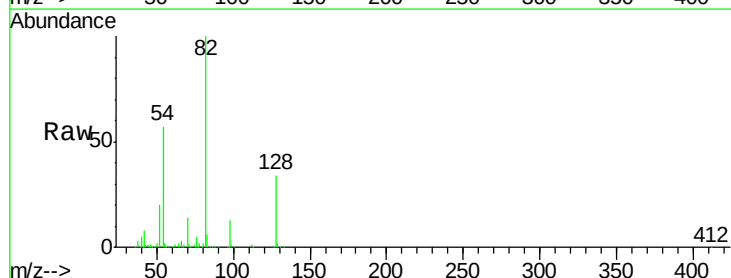
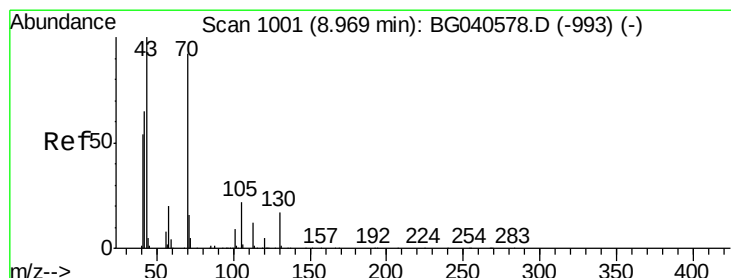
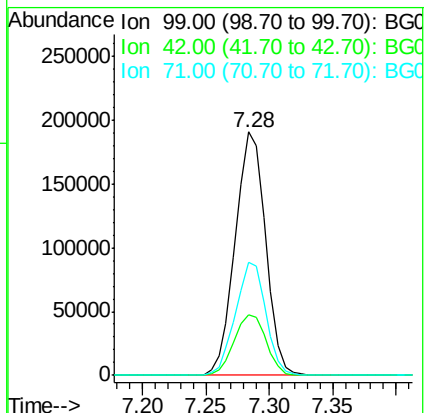
Tot Ion: 99 Resp: 317105

Ion Ratio Lower Upper

99 100

42 24.8 21.8 32.8

71 46.3 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 12.507 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG040666.D

Acq: 29 Apr 2019 17:56

Tgt Ion: 70 Resp: 47925

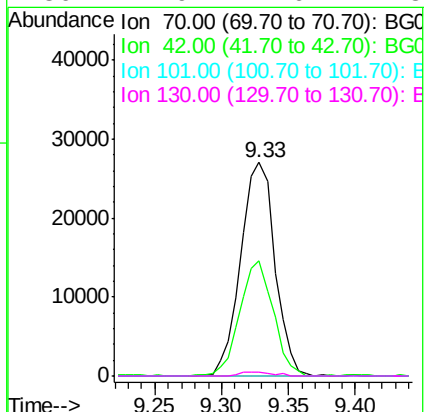
Ion Ratio Lower Upper

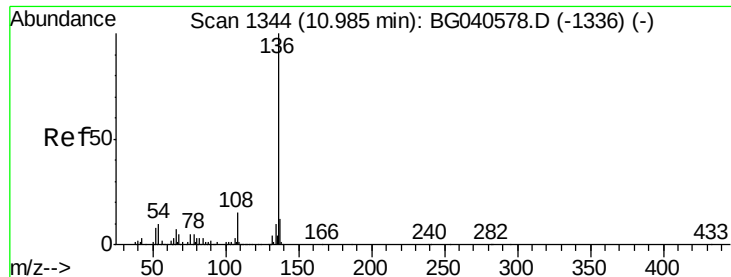
70 100

42 54.2 57.1 85.7#

101 0.0 7.8 11.8#

130 1.9 14.6 21.8#

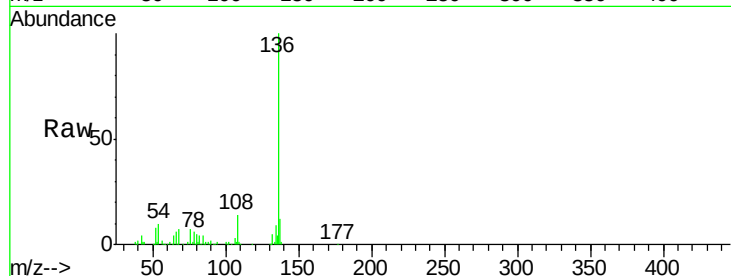




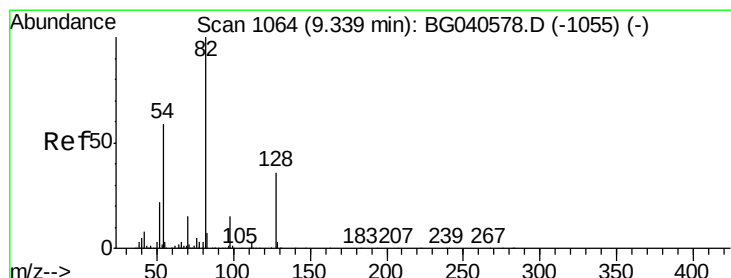
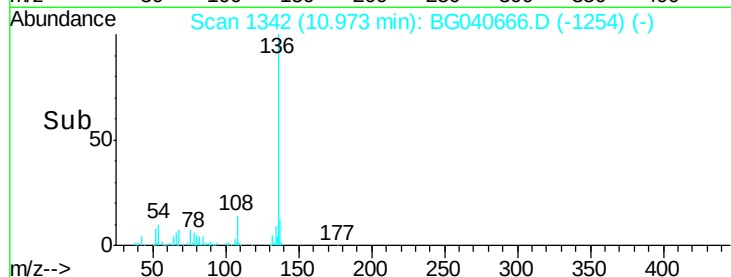
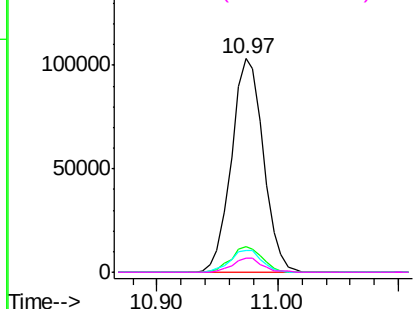
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BG040666.D
Acq: 29 Apr 2019 17:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	189921
Ion	Ratio	Lower Upper
136	100	
137	12.3	9.7 14.5
54	10.5	8.6 12.8
68	6.8	4.8 7.2

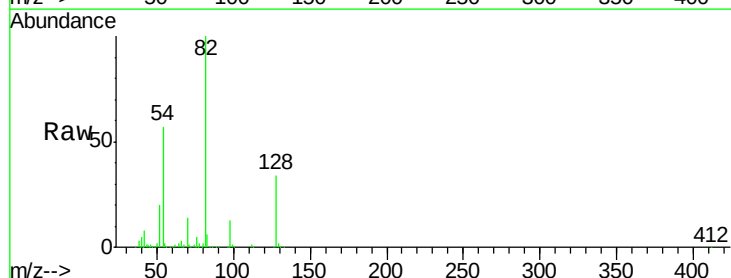


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

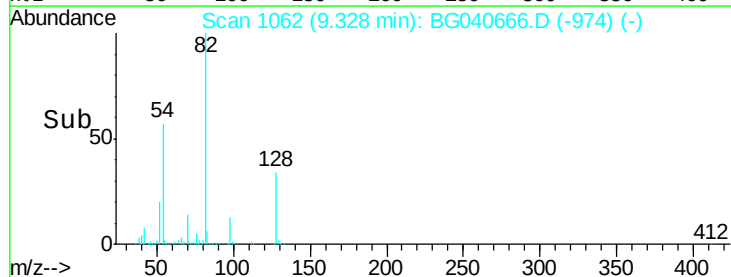
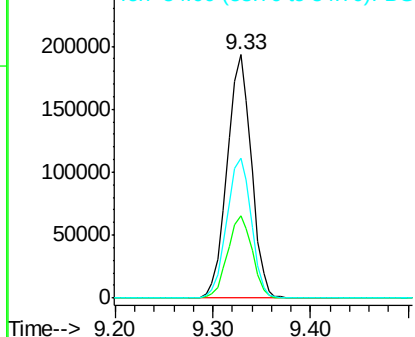


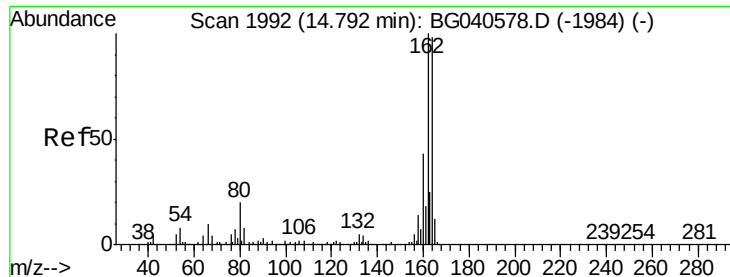
#23
Nitrobenzene-d5
Concen: 80.887 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.01 min
Lab File: BG040666.D
Acq: 29 Apr 2019 17:56

Tgt Ion: 82	Resp:	332468
Ion	Ratio	Lower Upper
82	100	
128	33.8	28.9 43.3
54	57.5	47.2 70.8



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BG040666.D

Acq: 29 Apr 2019 17:56

Instrument :

BNA_G

ClientSampleId :

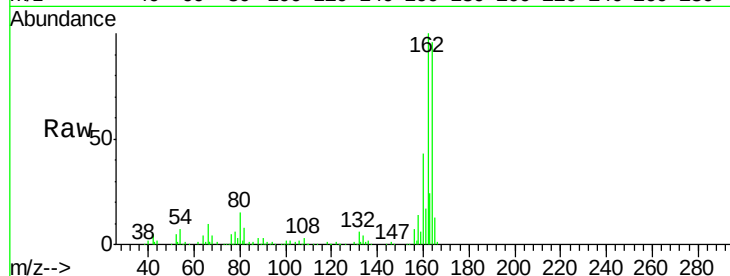
Tot Ion:164 Resp: 143263

Ion Ratio Lower Upper

164 100

162 104.2 81.9 122.9

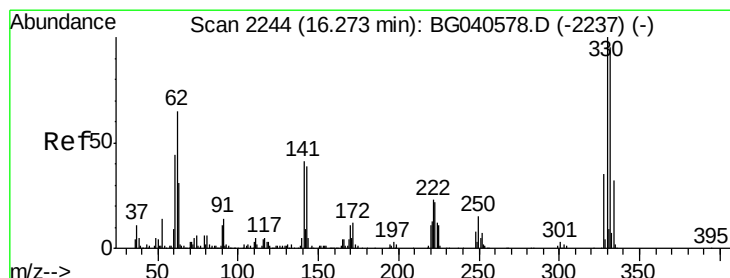
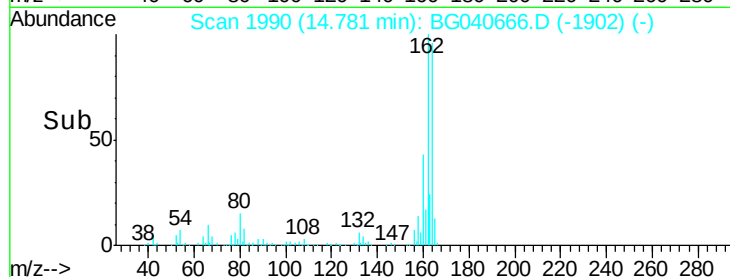
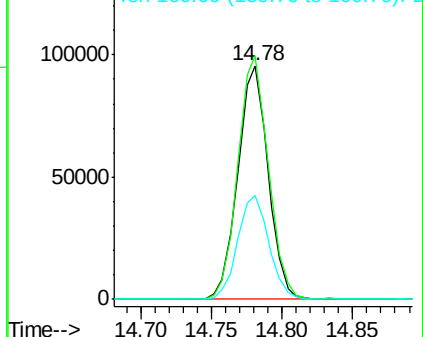
160 44.6 35.4 53.2



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



#42

2,4,6-Tribromophenol

Concen: 83.197 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.01 min

Lab File: BG040666.D

Acq: 29 Apr 2019 17:56

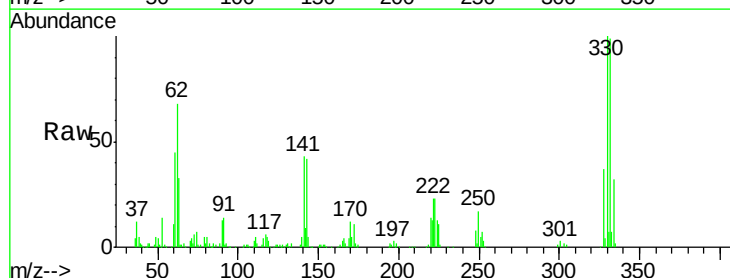
Tgt Ion:330 Resp: 163830

Ion Ratio Lower Upper

330 100

332 98.1 75.9 113.9

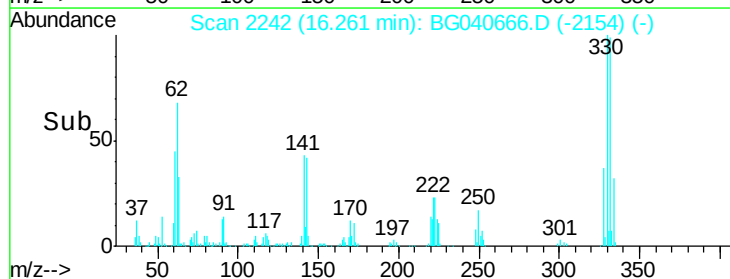
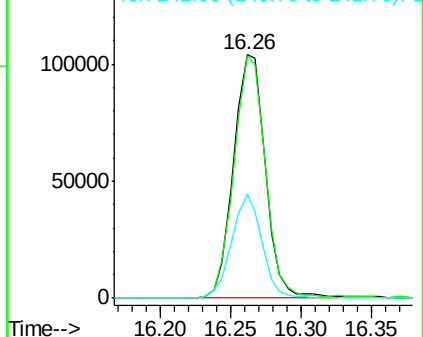
141 40.7 32.4 48.6

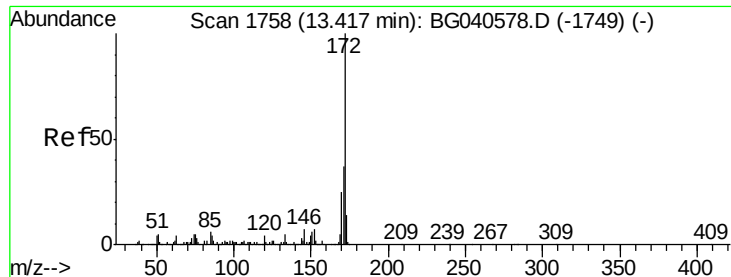


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

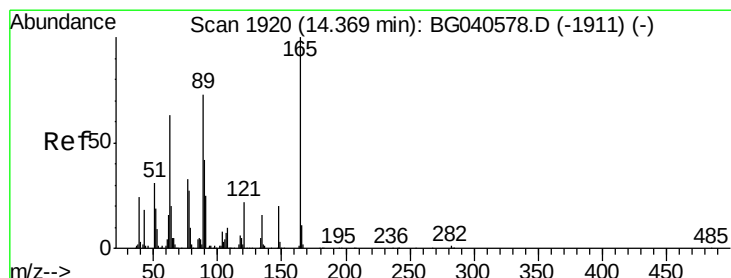
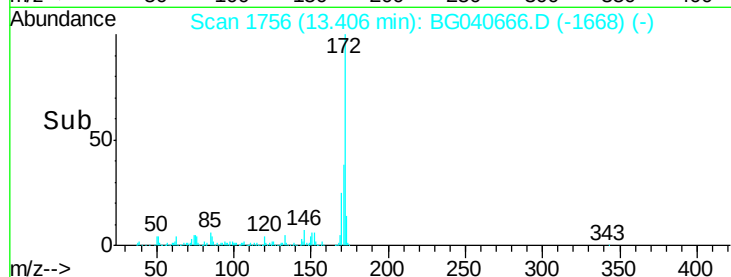
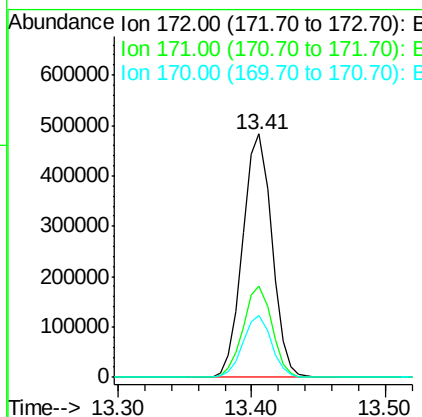
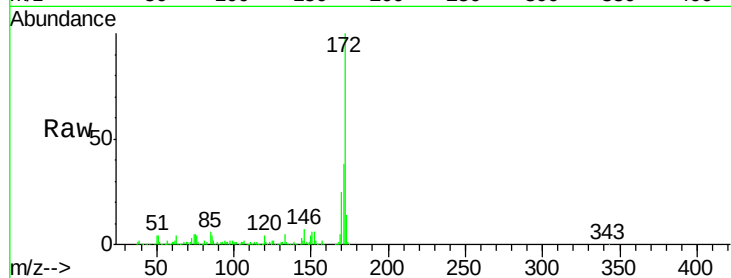




#45
 2-Fluorobiphenyl
 Concen: 73.716 ng
 RT: 13.41 min Scan# 1756
 Delta R.T. -0.01 min
 Lab File: BG040666.D
 Acq: 29 Apr 2019 17:56

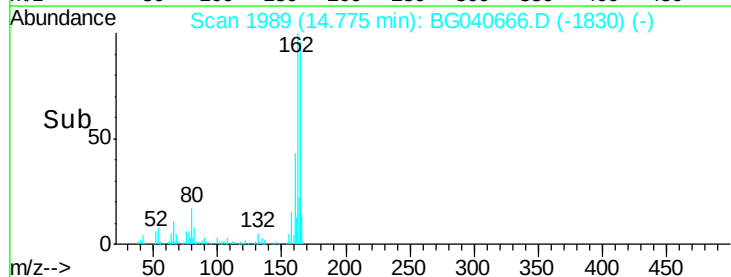
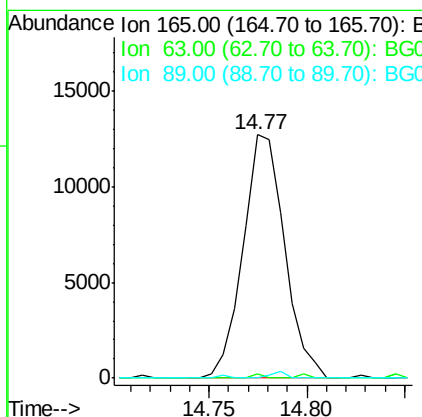
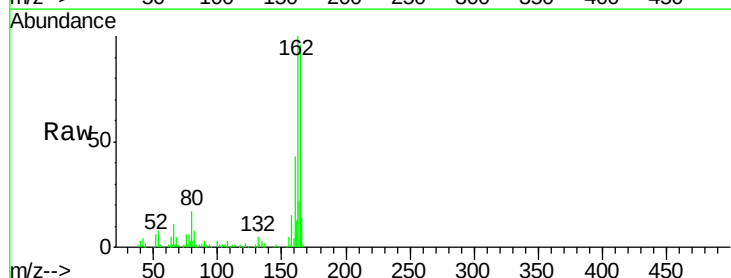
Instrument :
 BNA_G
 ClientSampleId :

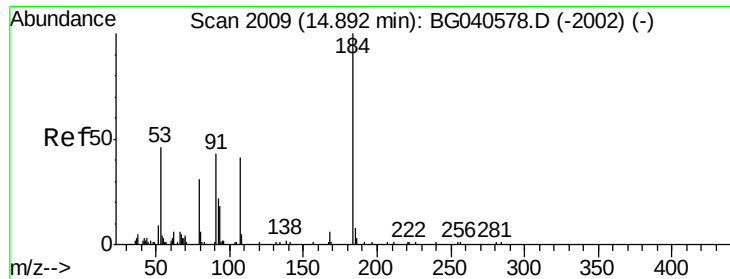
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.4	44.2
170	25.4	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 8.019 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. 0.41 min
 Lab File: BG040666.D
 Acq: 29 Apr 2019 17:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	61.0	91.4#
89	0.0	58.6	87.8#

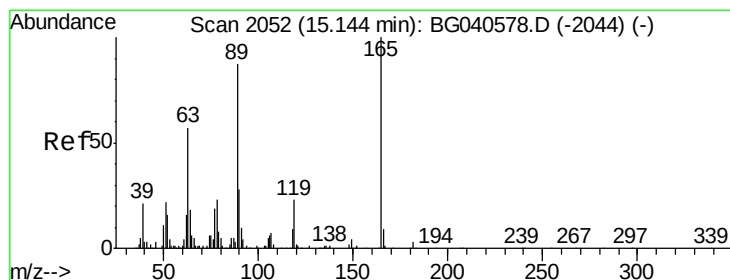
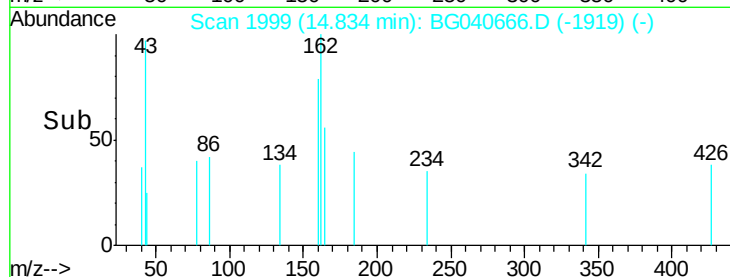
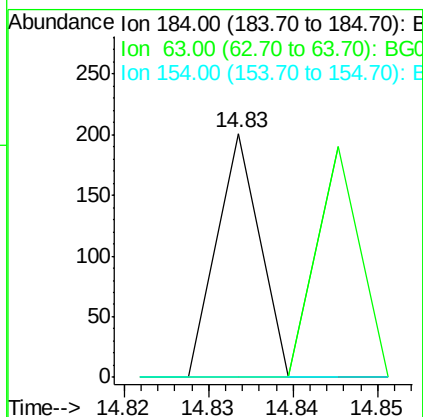
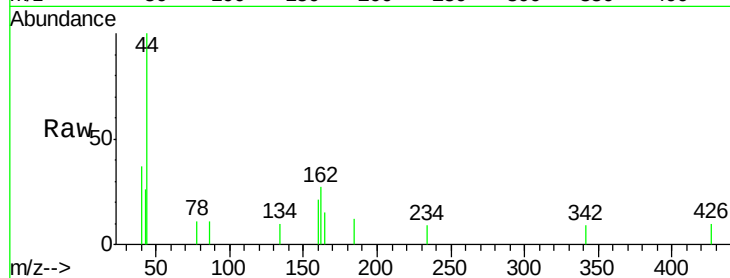




#54
2,4-Dinitrophenol
Concen: 7.064 ng
RT: 14.83 min Scan# 1999
Delta R.T. -0.06 min
Lab File: BG040666.D
Acq: 29 Apr 2019 17:56

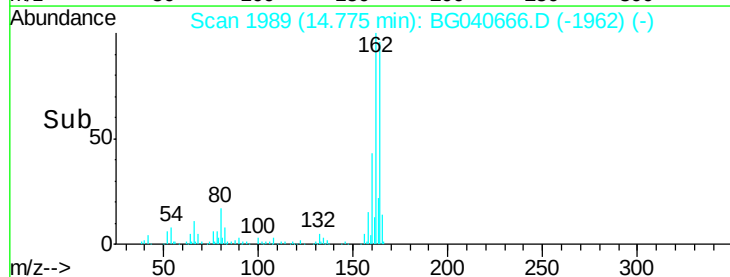
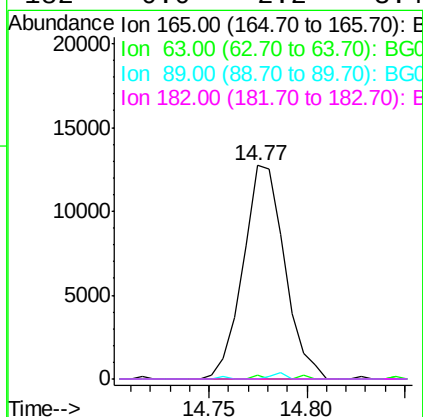
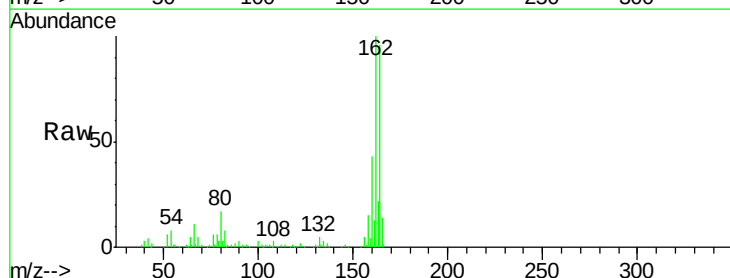
Instrument :
BNA_G
ClientSampled :

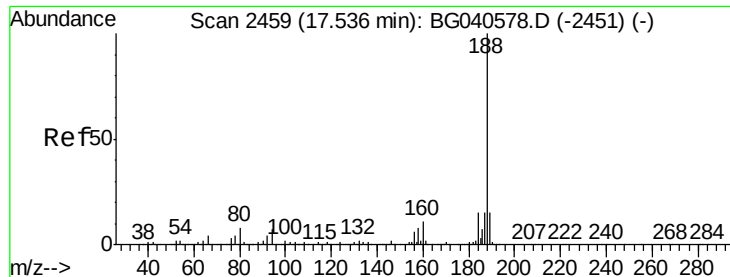
Tot Ion:184 Resp: 71
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 5.901 ng
RT: 14.77 min Scan# 1989
Delta R.T. -0.37 min
Lab File: BG040666.D
Acq: 29 Apr 2019 17:56

Tgt Ion:165 Resp: 18760
Ion Ratio Lower Upper
165 100
63 1.7 45.8 68.8#
89 0.0 69.4 104.2#
182 0.0 2.2 3.4#

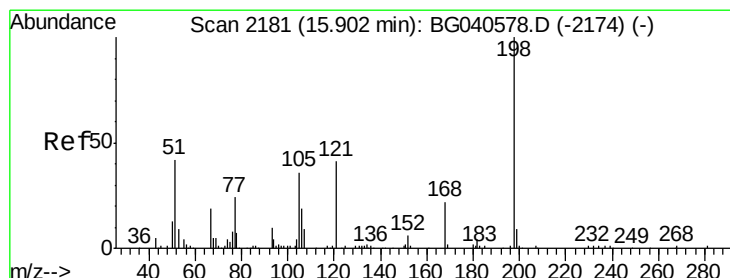
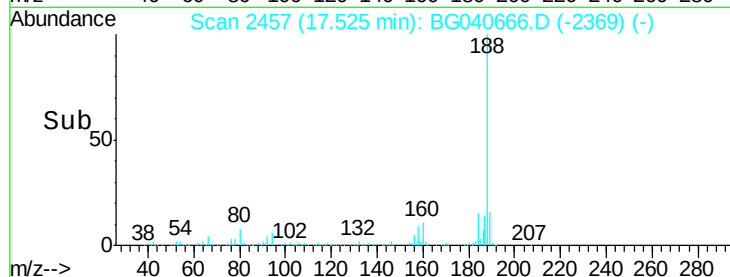
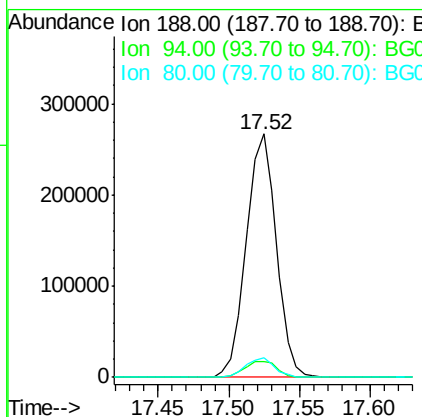
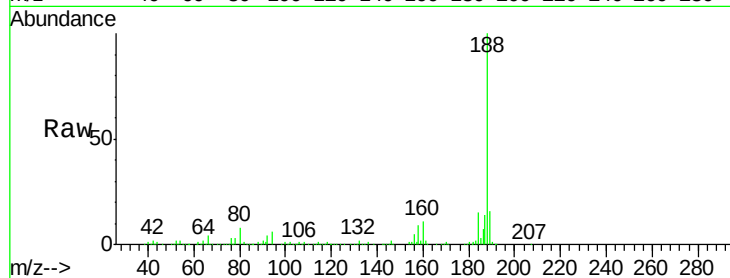




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.52 min Scan# 2457
Delta R.T. -0.01 min
Lab File: BG040666.D
Acq: 29 Apr 2019 17:56

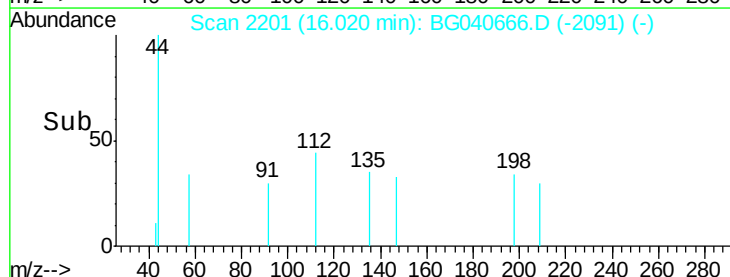
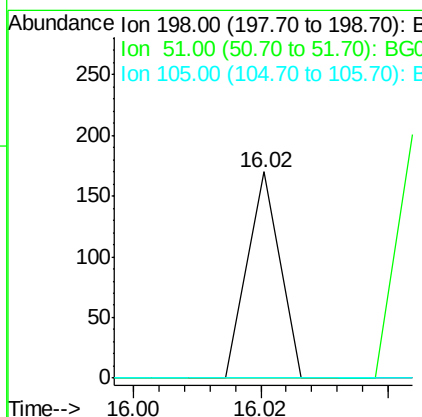
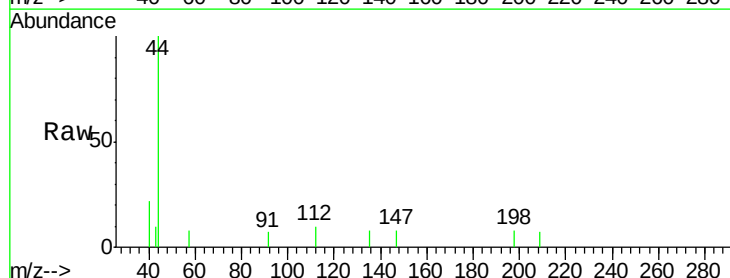
Instrument :
BNA_G
ClientSampleId :

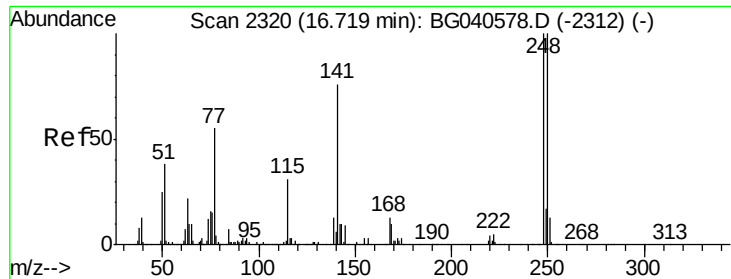
Tot Ion	Ratio	Lower	Upper
188	100		
94	6.4	5.6	8.4
80	8.2	6.4	9.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.127 ng
RT: 16.02 min Scan# 2201
Delta R.T. 0.12 min
Lab File: BG040666.D
Acq: 29 Apr 2019 17:56

Tgt Ion	Ratio	Lower	Upper
198	100		
51	0.0	35.9	75.9#
105	0.0	21.2	61.2#





#67

4-Bromophenyl-phenylether

Concen: 2.441 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.46 min

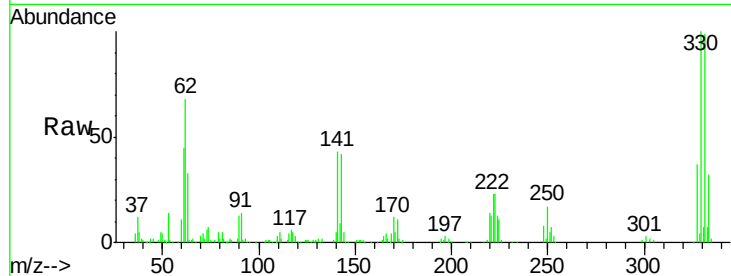
Lab File: BG040666.D

Acq: 29 Apr 2019 17:56

Instrument :

BNA_G

ClientSampled :

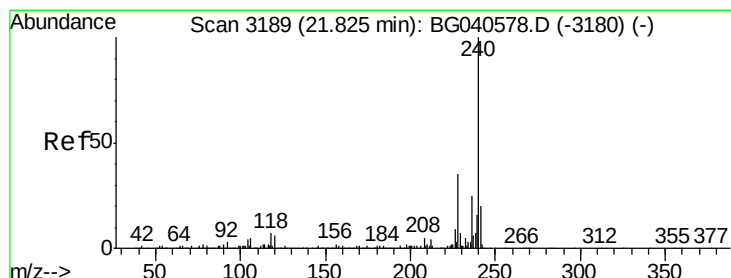
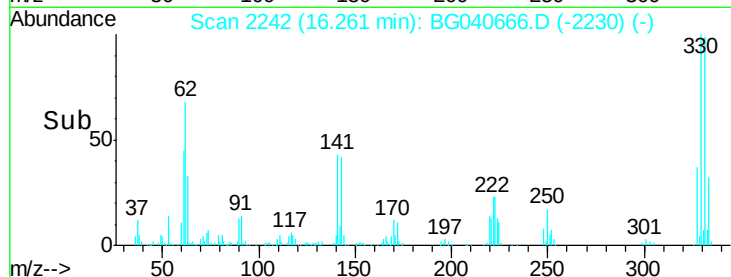
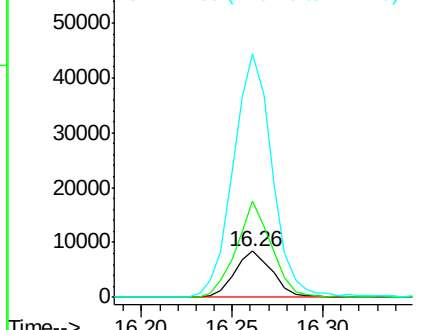


Tot Ion:	248	Resp:	12163
Ion	Ratio	Lower	Upper
248	100		
250	209.5	79.8	119.6#
141	528.3	60.8	91.2#

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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.81 min Scan# 3186

Delta R.T. -0.02 min

Lab File: BG040666.D

Acq: 29 Apr 2019 17:56

Tgt Ion:240 Resp: 408954

Ion Ratio Lower Upper

240 100

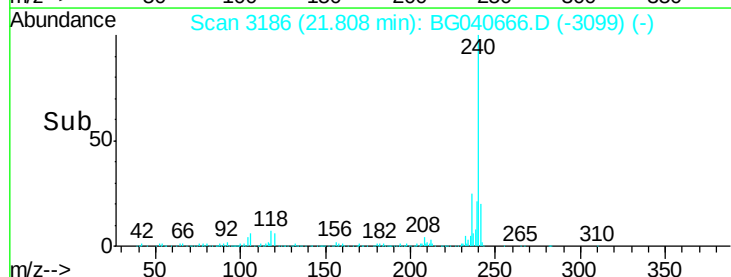
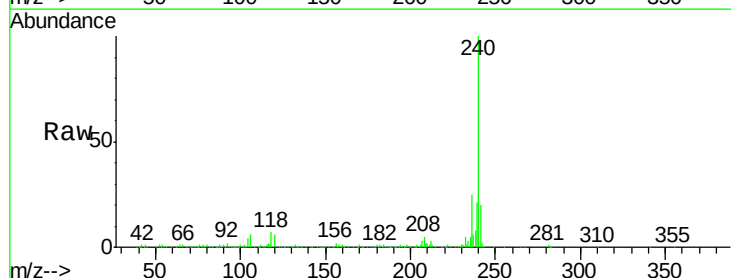
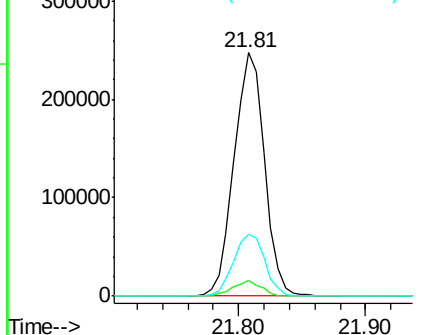
120 6.5 5.0 7.6

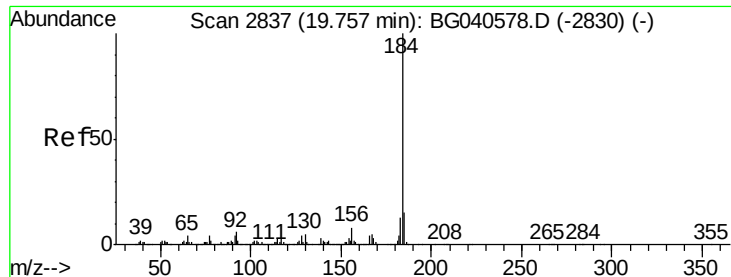
236 25.3 20.3 30.5

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





#77

Benzidine

Concen: 2.217 ng

RT: 20.12 min Scan# 2899

Delta R.T. 0.36 min

Lab File: BG040666.D

Acq: 29 Apr 2019 17:56

Instrument :

BNA_G

ClientSampleId :

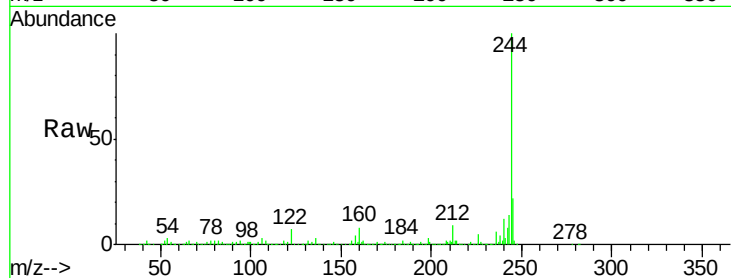
Tot Ion:184 Resp: 24822

Ion Ratio Lower Upper

184 100

185 18.3 11.8 17.8#

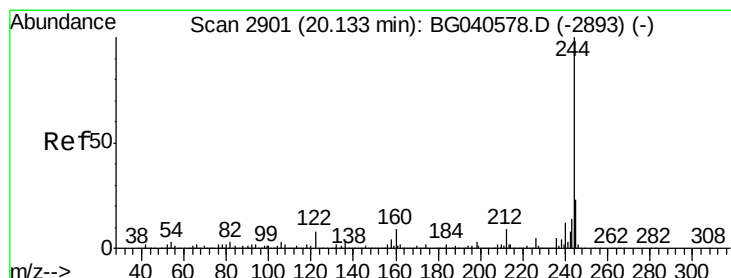
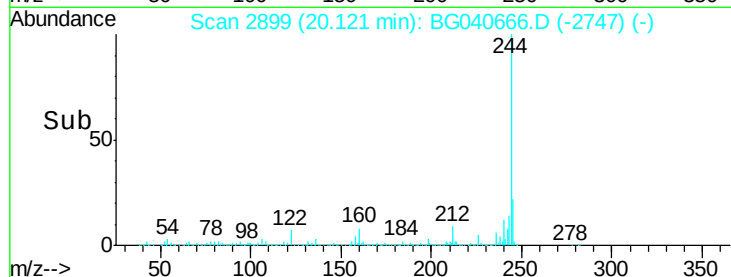
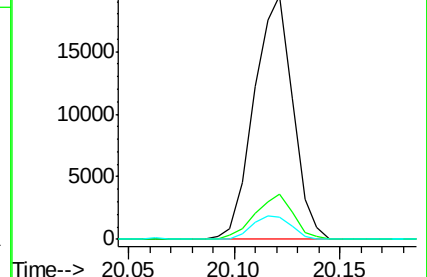
183 8.9 10.2 15.2#



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



#79

Terphenyl-d14

Concen: 76.107 ng

RT: 20.12 min Scan# 2899

Delta R.T. -0.01 min

Lab File: BG040666.D

Acq: 29 Apr 2019 17:56

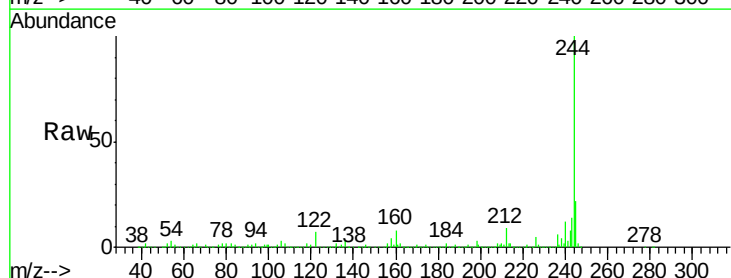
Tgt Ion:244 Resp: 1404890

Ion Ratio Lower Upper

244 100

212 8.8 7.2 10.8

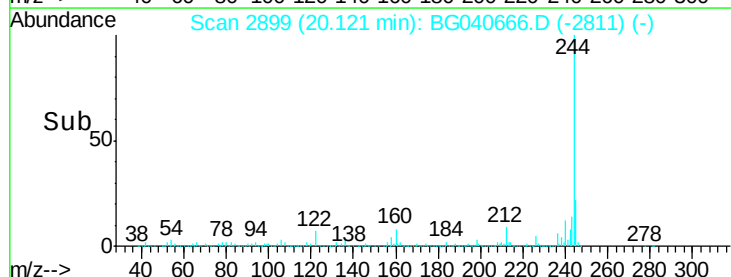
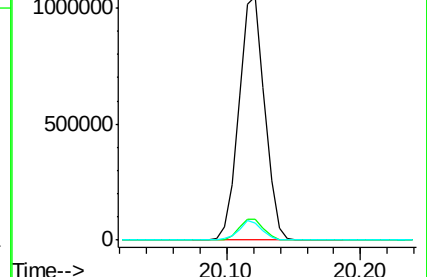
122 7.1 6.6 10.0

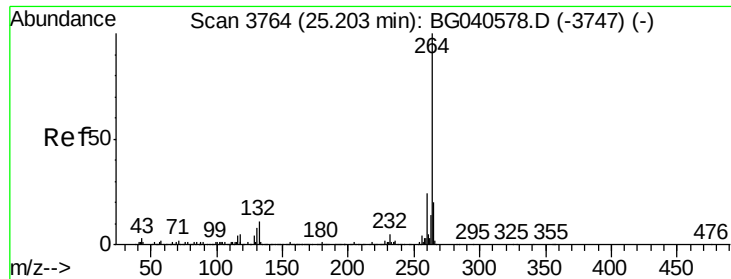


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

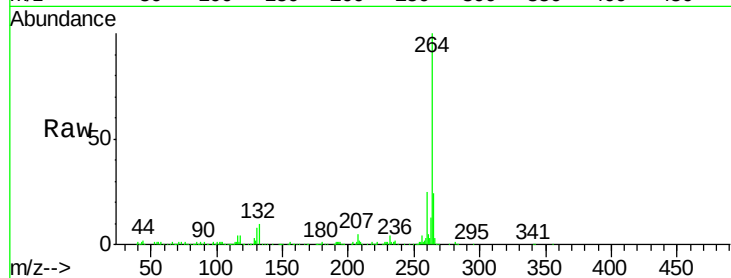




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.17 min Scan# 3759
 Delta R.T. -0.03 min
 Lab File: BG040666.D
 Acq: 29 Apr 2019 17:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	23.9	16.6	25.0



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

