

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061319\
 Data File : BG041233.D
 Acq On : 13 Jun 2019 23:20
 Operator : HP/JU
 Sample : K3159-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 14 08:49:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Jun 09 23:08:34 2019
 Response via : Initial Calibration

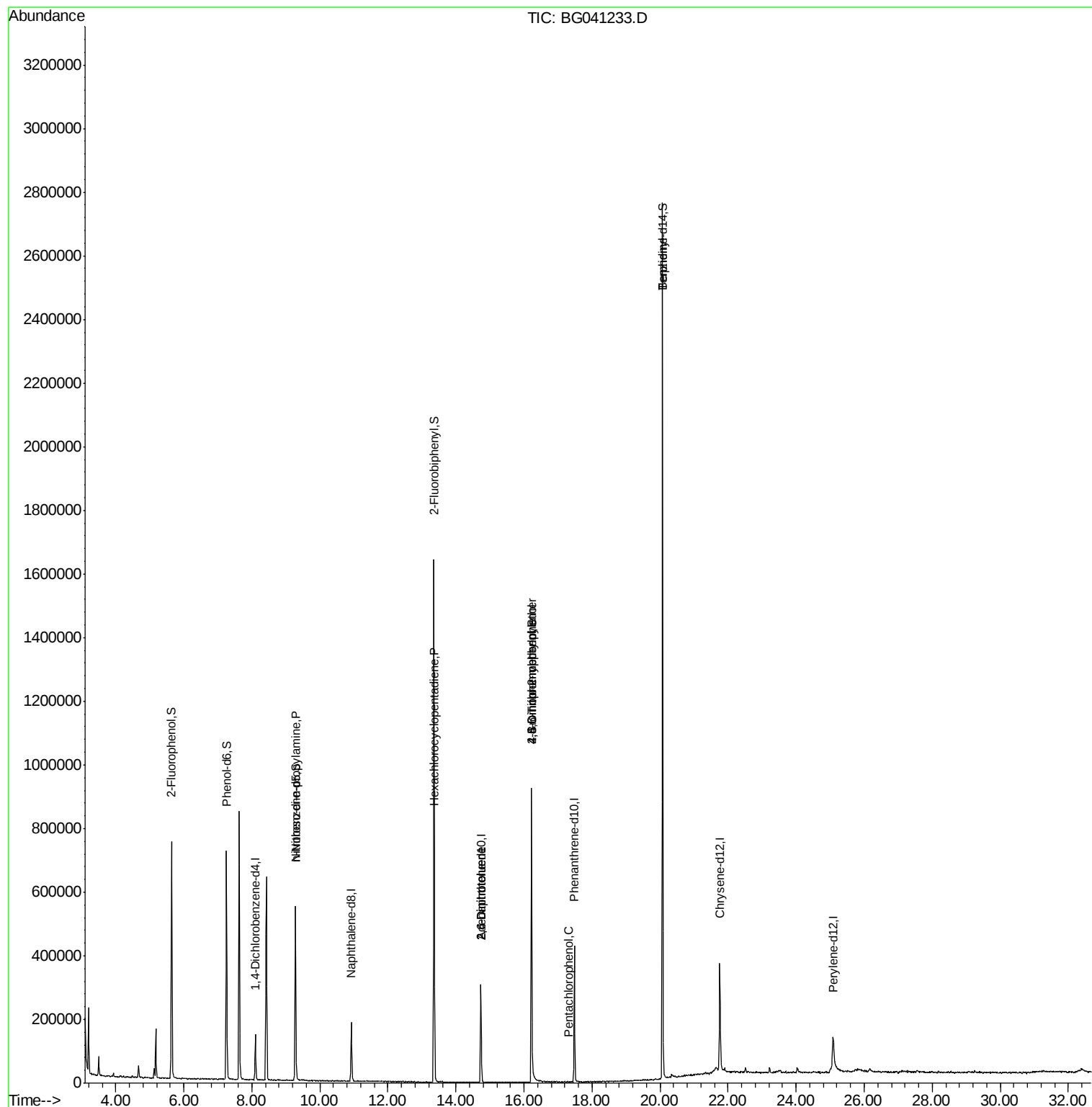
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	40042	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	157331	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	112375	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	271995	20.00	ng	0.00
76) Chrysene-d12	21.76	240	258539	20.00	ng	0.00
87) Perylene-d12	25.08	264	187401	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	285116	128.40	ng	0.00
7) Phenol-d6	7.25	99	386579	112.72	ng	0.00
23) Nitrobenzene-d5	9.28	82	343730	96.99	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	200662	120.28	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	818315	104.87	ng	0.00
79) Terphenyl-d14	20.07	244	1334209	109.53	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	49492	18.753	ng	# 71
41) Hexachlorocyclopentadiene	13.37	237	76	8.263	ng	# 26
51) 2,6-Dinitrotoluene	14.74	165	14992	7.310	ng	# 20
57) 2,4-Dinitrotoluene	14.74	165	14992	5.175	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.22	198	672	8.968	ng	# 3
67) 4-Bromophenyl-phenylether	16.22	248	14360	3.912	ng	# 1
70) Pentachlorophenol	17.33	266	66	4.286	ng	# 18
77) Benzidine	20.07	184	22555	3.657	ng	# 96

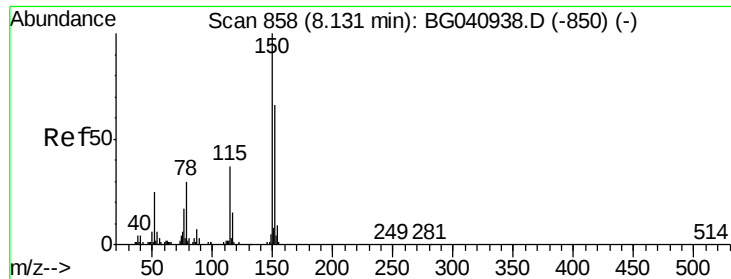
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061319\
Data File : BG041233.D
Acq On : 13 Jun 2019 23:20
Operator : HP/JU
Sample : K3159-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Jun 14 08:49:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 23:08:34 2019
Response via : Initial Calibration



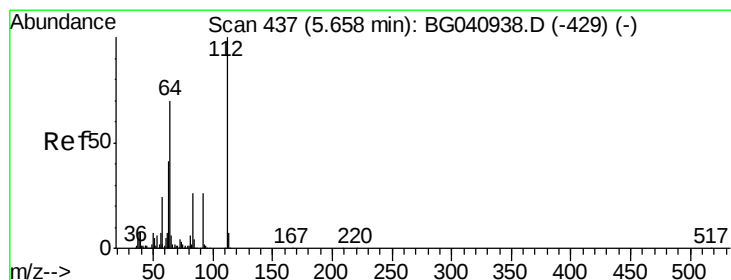
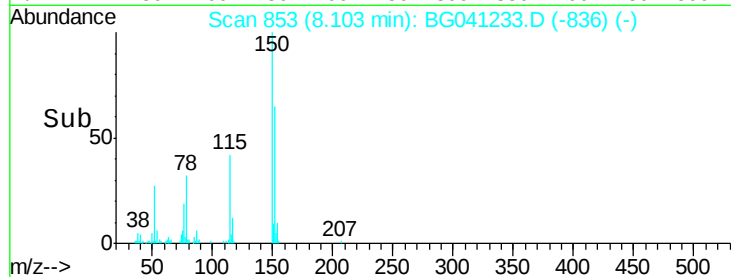
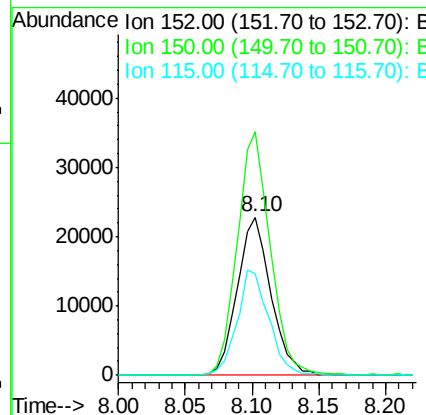
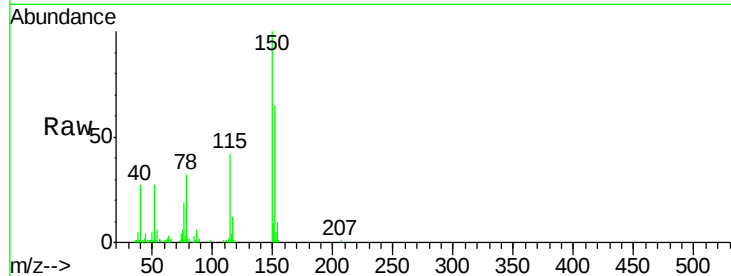


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 853
Delta R.T. -0.00 min
Lab File: BG041233.D
Acq: 13 Jun 2019 23:20

Instrument :
BNA_G
ClientSampleId :

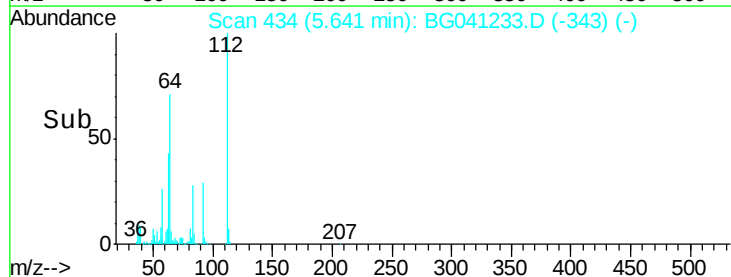
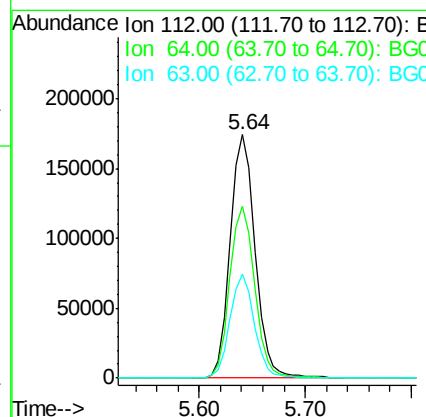
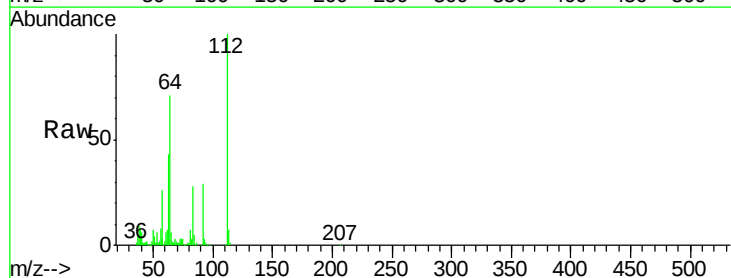
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	120.6	180.8
115	63.8	45.1	67.7



#5

2-Fluorophenol
Concen: 128.396 ng
RT: 5.64 min Scan# 434
Delta R.T. 0.00 min
Lab File: BG041233.D
Acq: 13 Jun 2019 23:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.6	56.2	84.2
63	42.6	32.8	49.2





#7

Phenol-d6

Concen: 112.723 ng

RT: 7.25 min Scan# 708

Delta R.T. 0.00 min

Lab File: BG041233.D

Acq: 13 Jun 2019 23:20

Instrument :

BNA_G

ClientSampleId :

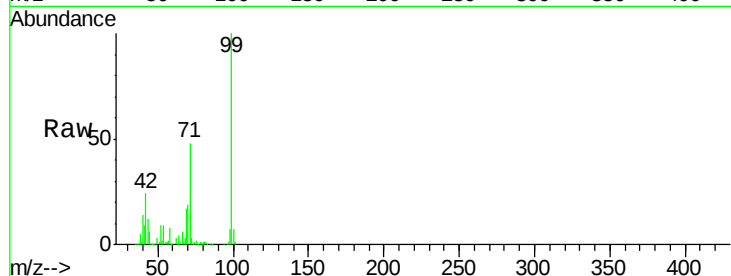
Tot Ion: 99 Resp: 386579

Ion Ratio Lower Upper

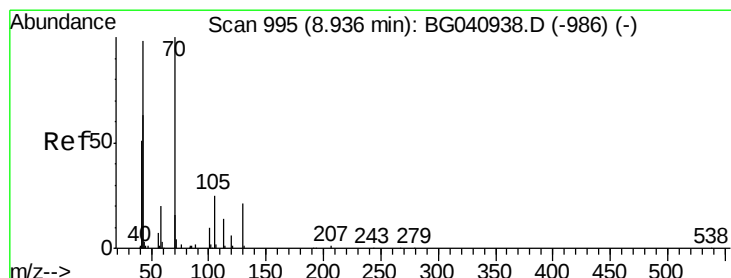
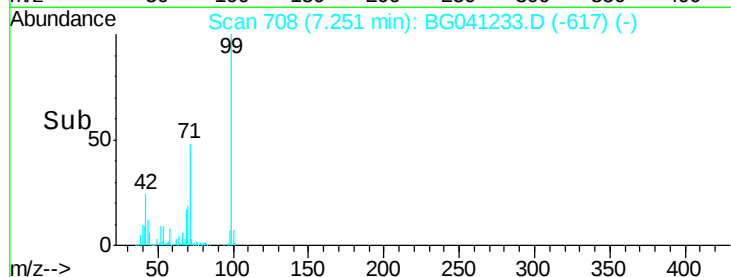
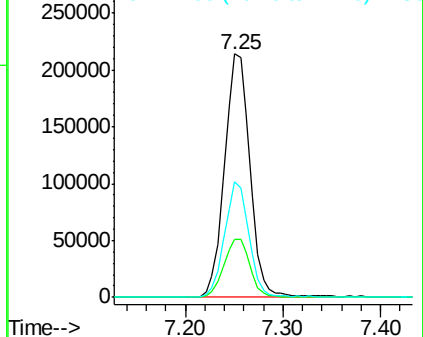
99 100

42 23.9 17.9 26.9

71 47.5 35.4 53.0



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: 18.753 ng

RT: 9.28 min Scan# 1054

Delta R.T. 0.37 min

Lab File: BG041233.D

Acq: 13 Jun 2019 23:20

Tgt Ion: 70 Resp: 49492

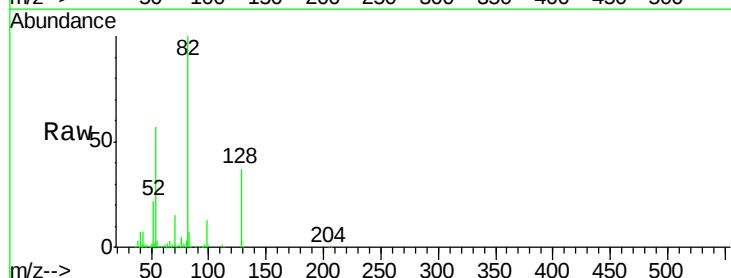
Ion Ratio Lower Upper

70 100

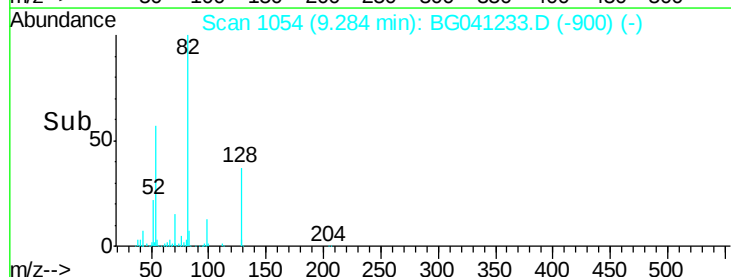
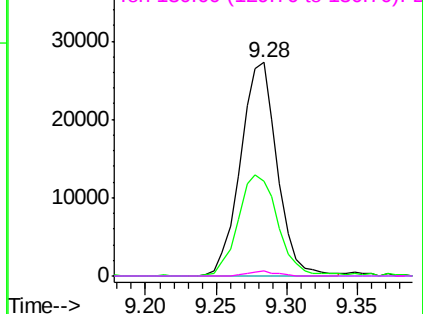
42 44.1 51.5 77.3#

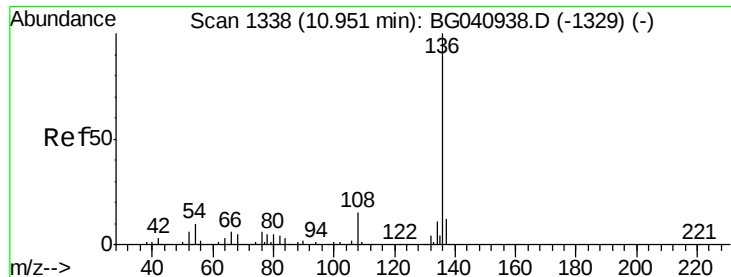
101 0.0 8.1 12.1#

130 2.2 16.6 24.8#



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

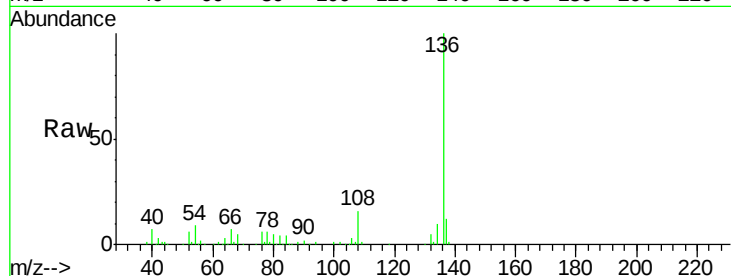




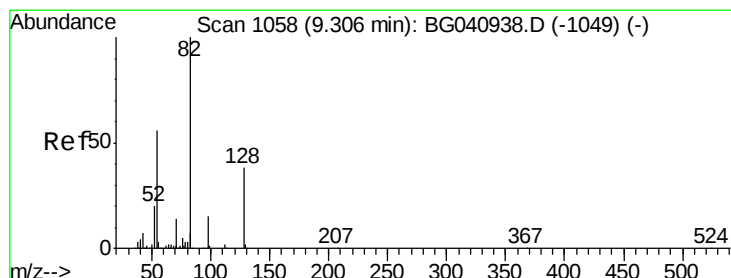
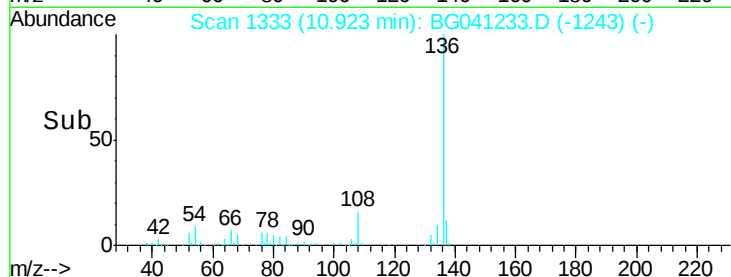
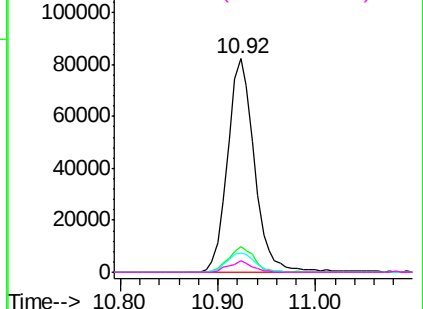
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BG041233.D
Acq: 13 Jun 2019 23:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	157331
Ion	Ratio	Lower Upper
136	100	
137	12.0	9.5 14.3
54	8.8	7.6 11.4
68	5.2	3.9 5.9

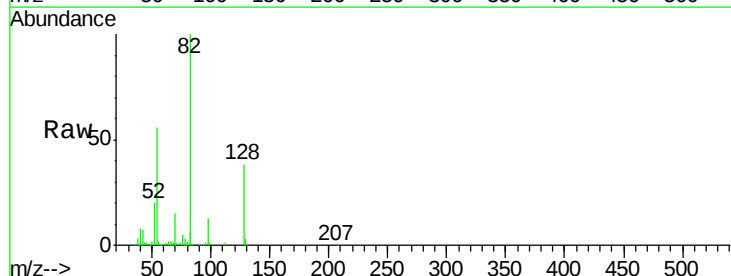


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

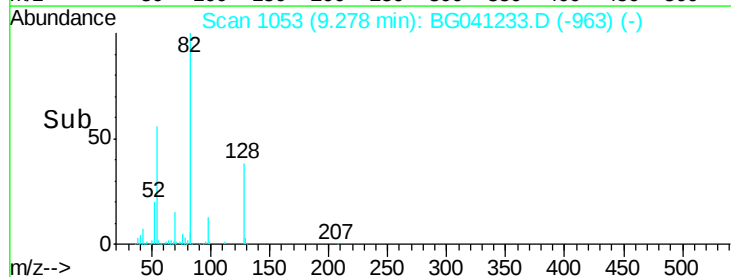
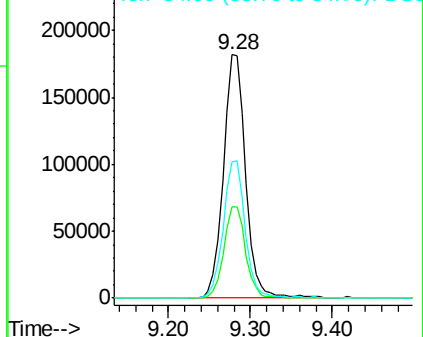


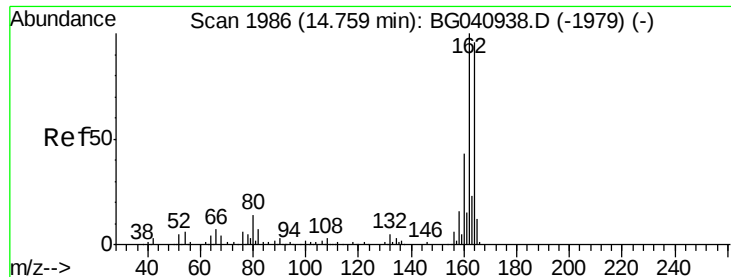
#23
Nitrobenzene-d5
Concen: 96.989 ng
RT: 9.28 min Scan# 1053
Delta R.T. -0.00 min
Lab File: BG041233.D
Acq: 13 Jun 2019 23:20

Tgt Ion: 82	Resp:	343730
Ion	Ratio	Lower Upper
82	100	
128	37.6	30.5 45.7
54	55.9	44.6 66.8



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: 14.73 min Scan# 1981

Delta R.T. -0.01 min

Lab File: BG041233.D

Acq: 13 Jun 2019 23:20

Instrument :

BNA_G

ClientSampleId :

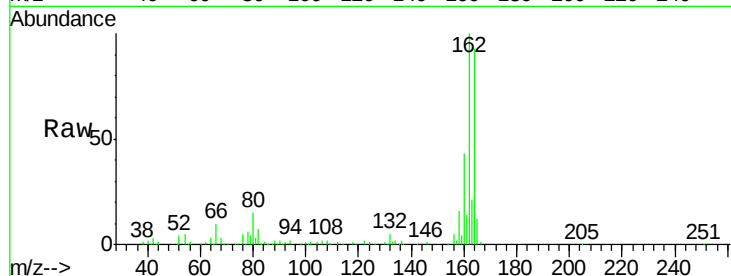
Tot Ion:164 Resp: 112375

Ion Ratio Lower Upper

164 100

162 108.0 83.0 124.4

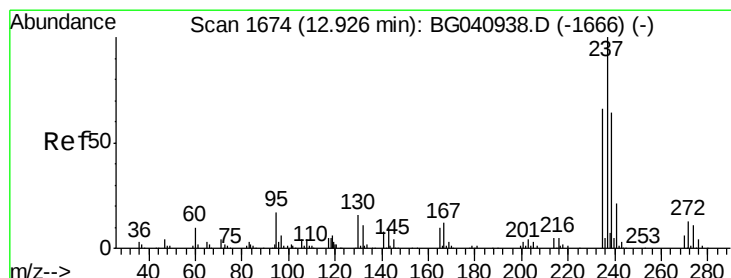
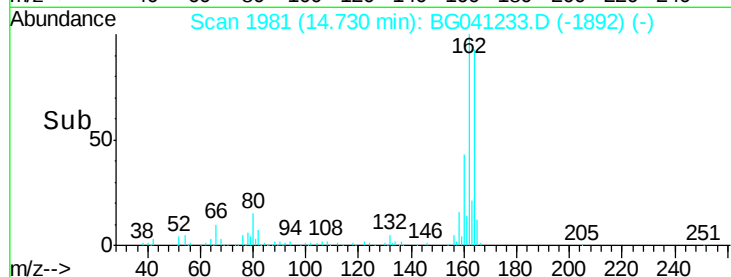
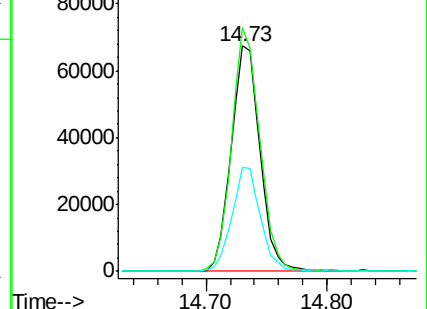
160 46.0 35.6 53.4



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

Hexachlorocyclopentadiene

Concen: 8.263 ng

RT: 13.37 min Scan# 1750

Delta R.T. 0.47 min

Lab File: BG041233.D

Acq: 13 Jun 2019 23:20

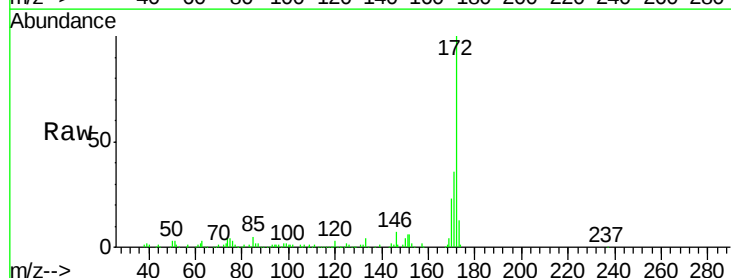
Tgt Ion:237 Resp: 76

Ion Ratio Lower Upper

237 100

235 0.0 45.5 85.5#

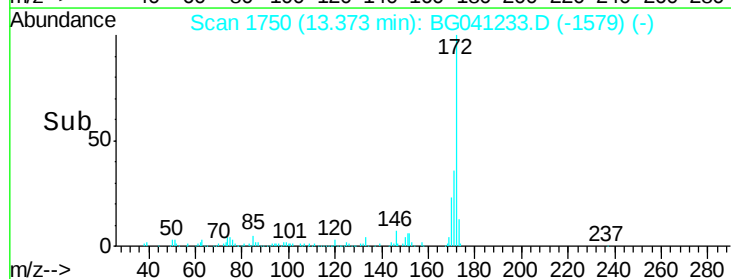
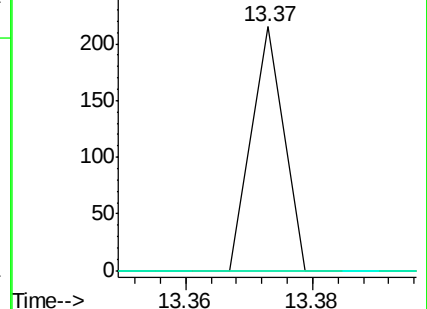
272 0.0 0.0 32.9

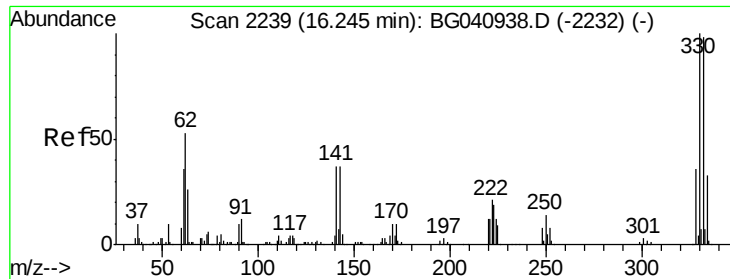


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

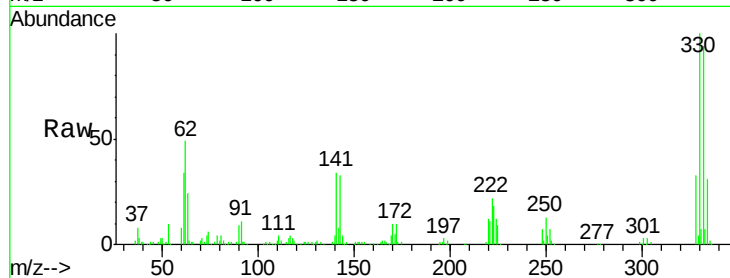




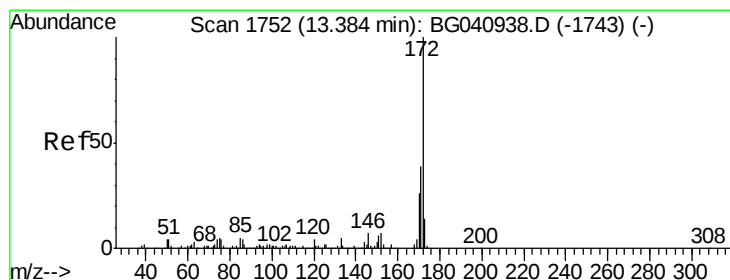
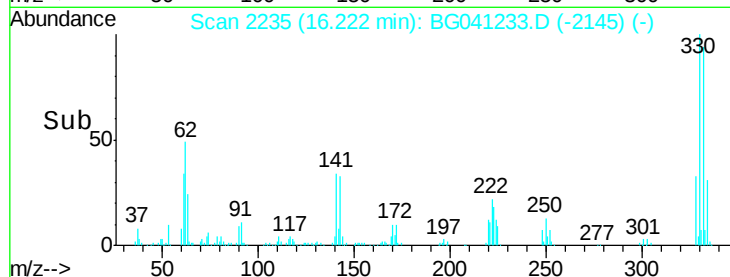
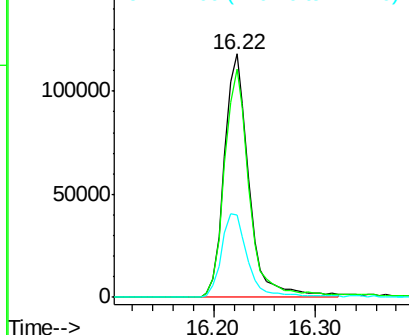
#42
 2,4,6-Tribromophenol
 Concen: 120.280 ng
 RT: 16.22 min Scan# 2235
 Delta R.T. -0.00 min
 Lab File: BG041233.D
 Acq: 13 Jun 2019 23:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.4	78.5	117.7
141	36.8	28.7	43.1

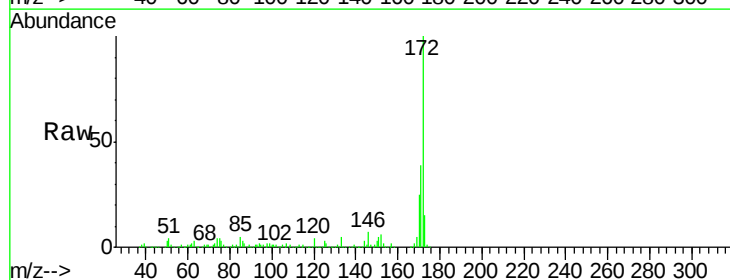


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

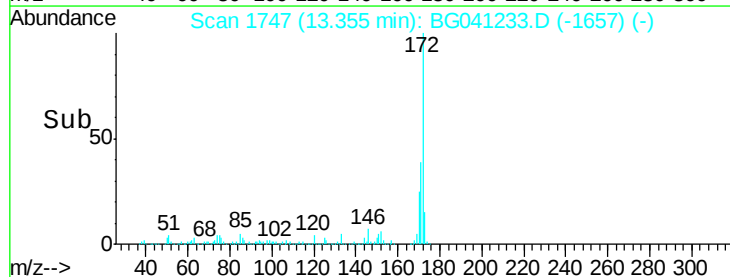
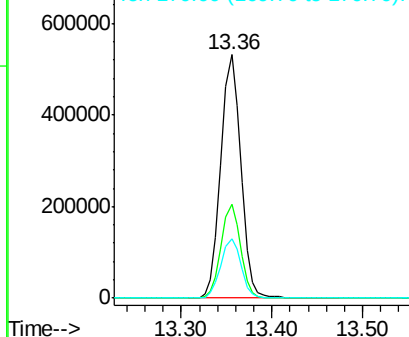


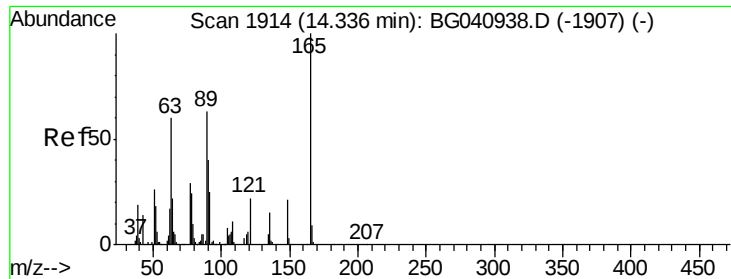
#45
 2-Fluorobiphenyl
 Concen: 104.869 ng
 RT: 13.36 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: BG041233.D
 Acq: 13 Jun 2019 23:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	31.1	46.7
170	24.6	20.5	30.7



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

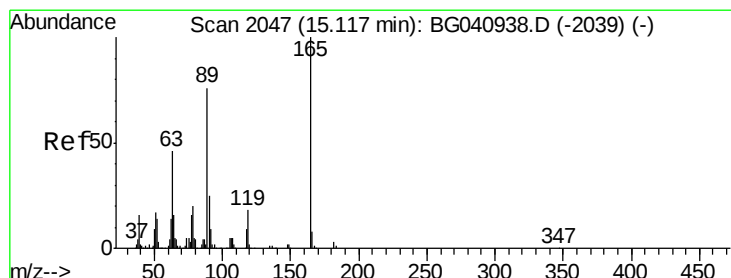
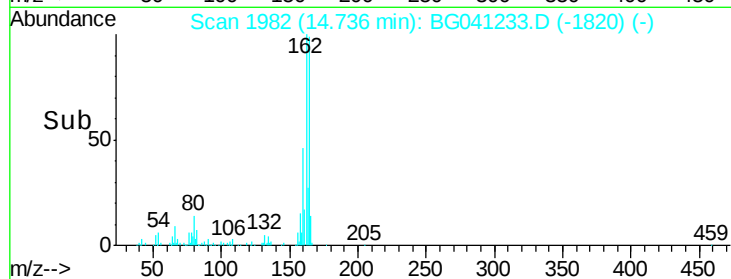
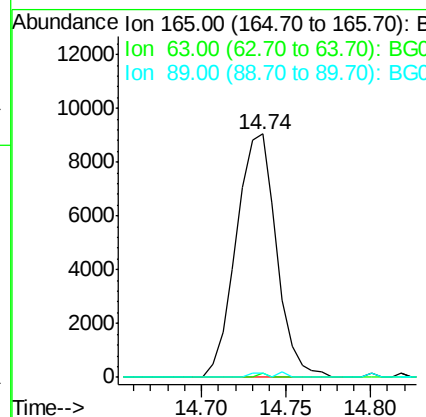
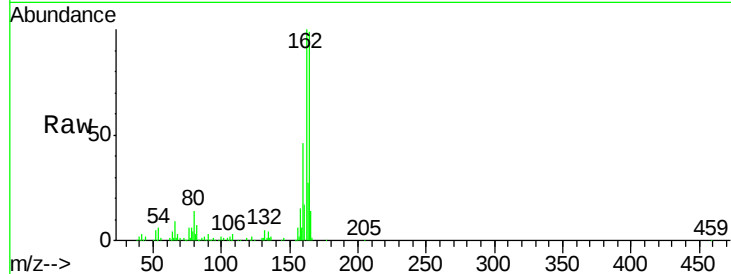




#51
 2,6-Dinitrotoluene
 Concen: 7.310 ng
 RT: 14.74 min Scan# 1982
 Delta R.T. 0.42 min
 Lab File: BG041233.D
 Acq: 13 Jun 2019 23:20

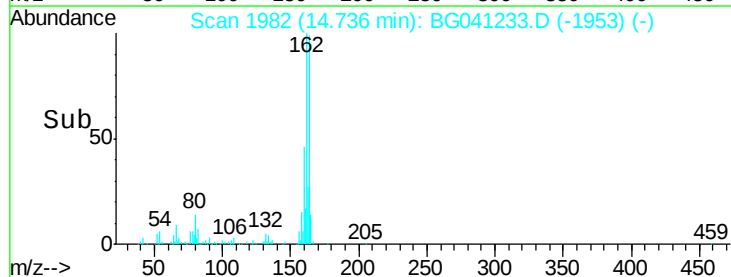
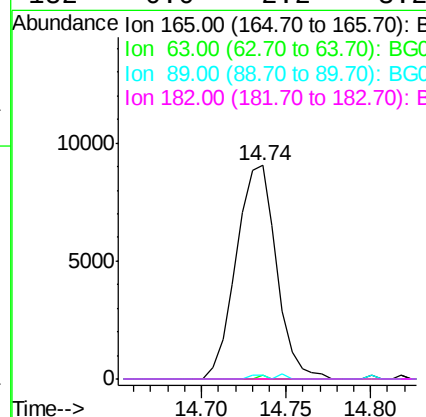
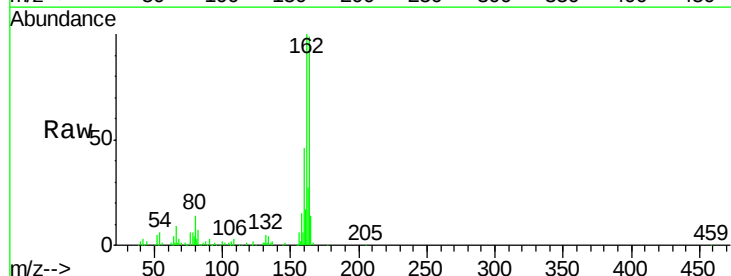
Instrument :
 BNA_G
 ClientSampleId :

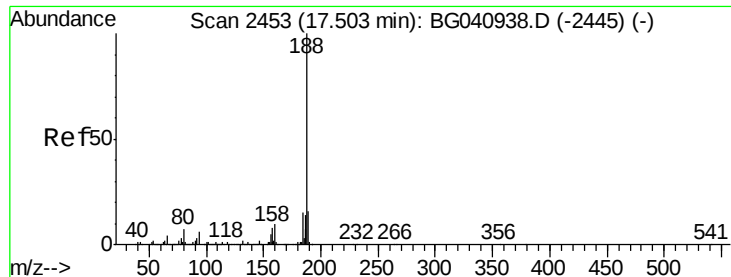
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	53.6	80.4#
89	1.9	50.4	75.6#



#57
 2,4-Dinitrotoluene
 Concen: 5.175 ng
 RT: 14.74 min Scan# 1982
 Delta R.T. -0.36 min
 Lab File: BG041233.D
 Acq: 13 Jun 2019 23:20

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	37.3	55.9#
89	1.9	61.0	91.6#
182	0.0	2.2	3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2449

Delta R.T. -0.00 min

Lab File: BG041233.D

Acq: 13 Jun 2019 23:20

Instrument :

BNA_G

ClientSampleId :

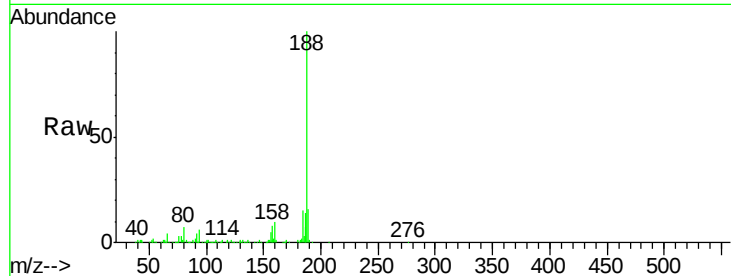
Tot Ion:188 Resp: 271995

Ion Ratio Lower Upper

188 100

94 6.2 4.7 7.1

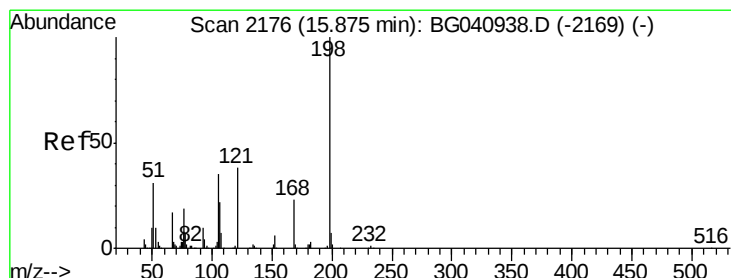
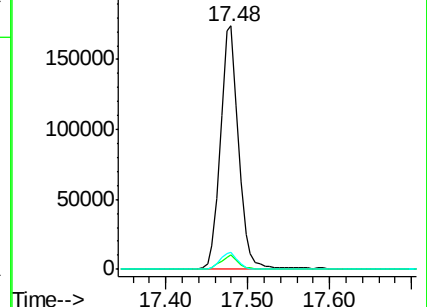
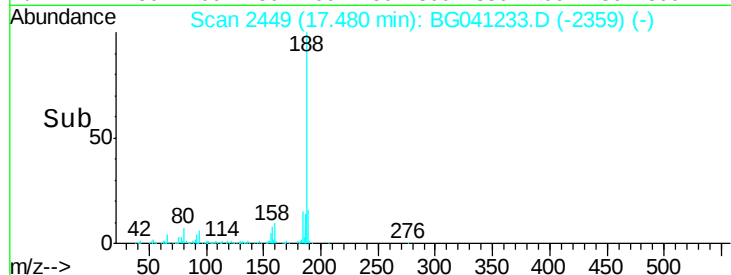
80 7.0 5.8 8.8



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



#65

4,6-Dinitro-2-methylphenol

Concen: 8.968 ng

RT: 16.22 min Scan# 2234

Delta R.T. 0.36 min

Lab File: BG041233.D

Acq: 13 Jun 2019 23:20

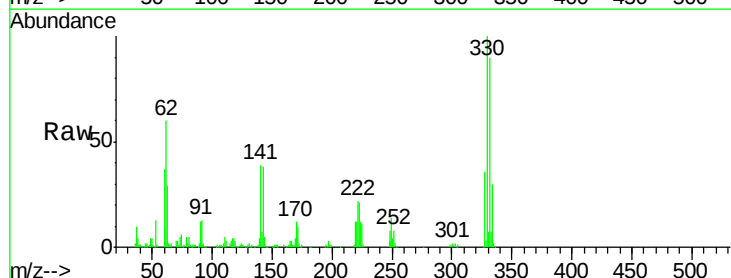
Tgt Ion:198 Resp: 672

Ion Ratio Lower Upper

198 100

51 113.3 21.6 61.6#

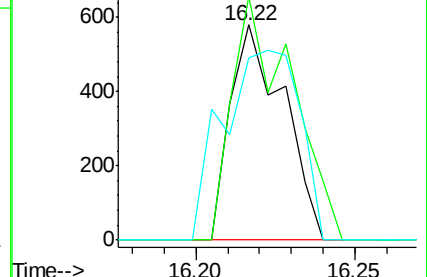
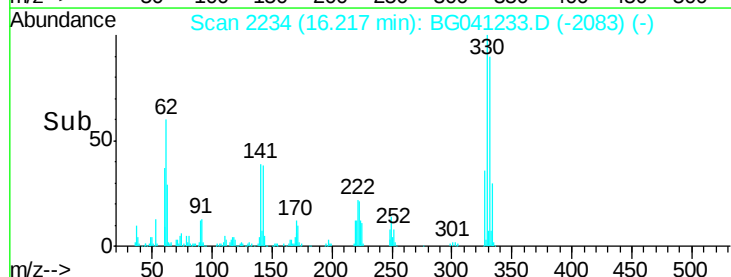
105 84.5 17.5 57.5#

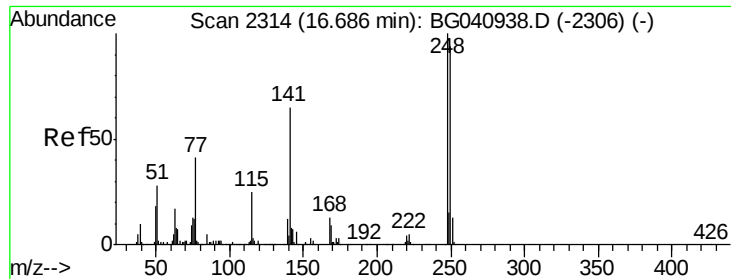


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

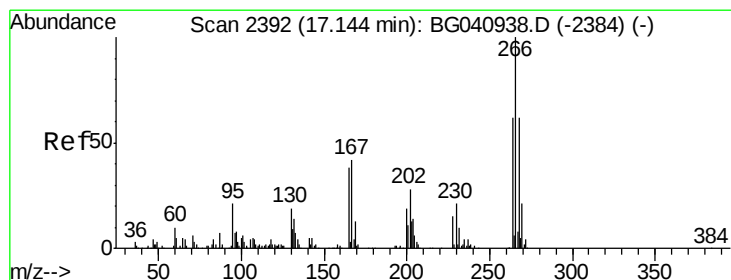
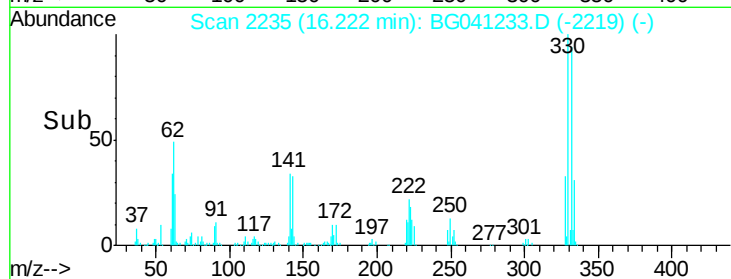
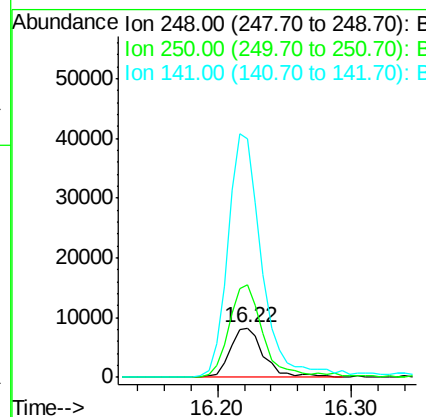
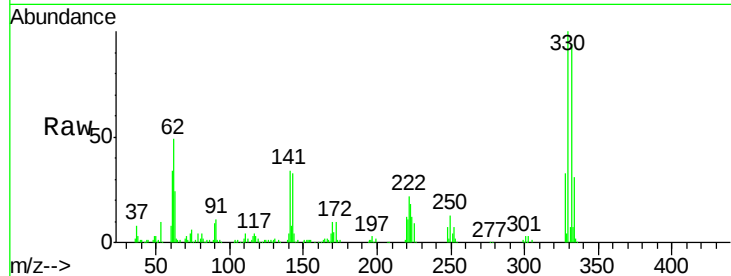




#67
4-Bromophenyl-phenylether
Concen: 3.912 ng
RT: 16.22 min Scan# 2235
Delta R.T. -0.44 min
Lab File: BG041233.D
Acq: 13 Jun 2019 23:20

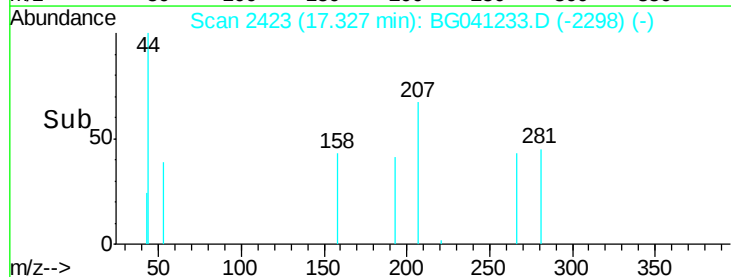
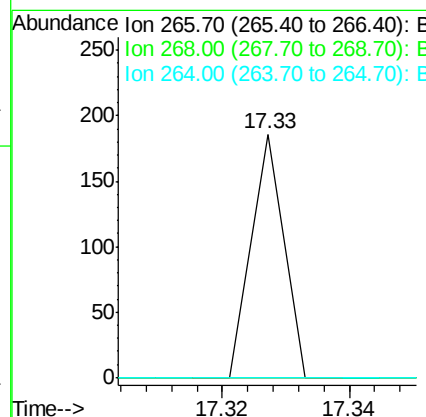
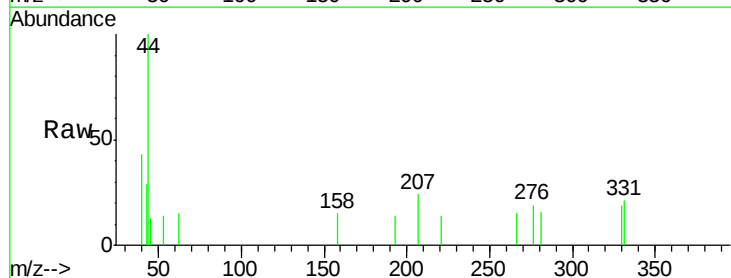
Instrument :
BNA_G
ClientSampled :

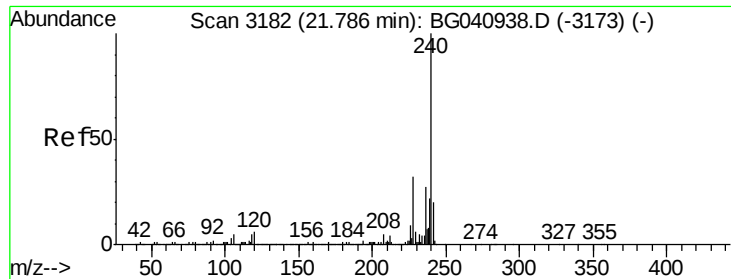
Tot Ion:248 Resp: 14360
Ion Ratio Lower Upper
248 100
250 185.3 75.0 112.4#
141 479.8 52.4 78.6#



#70
Pentachlorophenol
Concen: 4.286 ng
RT: 17.33 min Scan# 2423
Delta R.T. 0.20 min
Lab File: BG041233.D
Acq: 13 Jun 2019 23:20

Tgt Ion:266 Resp: 66
Ion Ratio Lower Upper
266 100
268 0.0 53.1 79.7#
264 0.0 49.9 74.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3177

Delta R.T. -0.00 min

Lab File: BG041233.D

Acq: 13 Jun 2019 23:20

Instrument :

BNA_G

ClientSampleId :

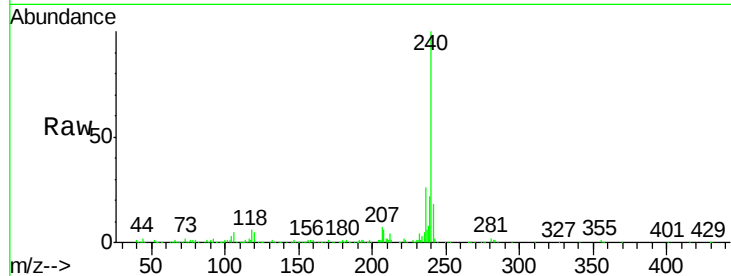
Tot Ion:240 Resp: 258539

Ion Ratio Lower Upper

240 100

120 4.6 4.5 6.7

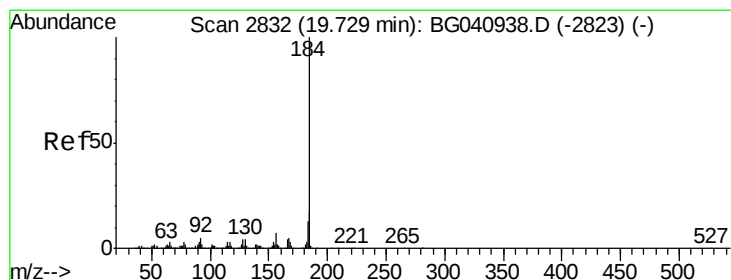
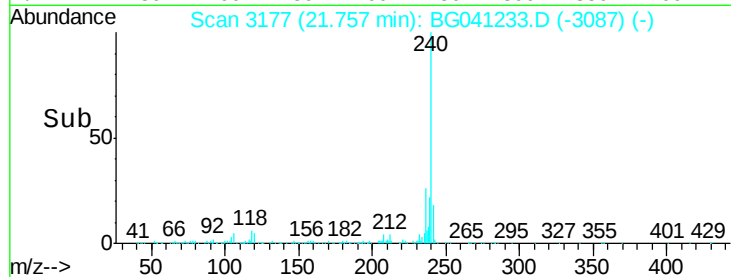
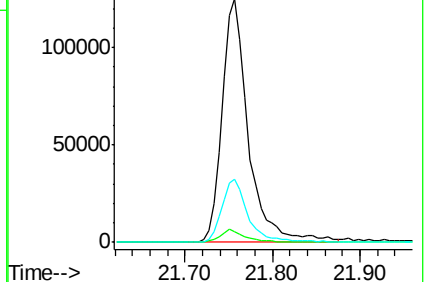
236 26.1 21.3 31.9



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: 3.657 ng

RT: 20.07 min Scan# 2890

Delta R.T. 0.36 min

Lab File: BG041233.D

Acq: 13 Jun 2019 23:20

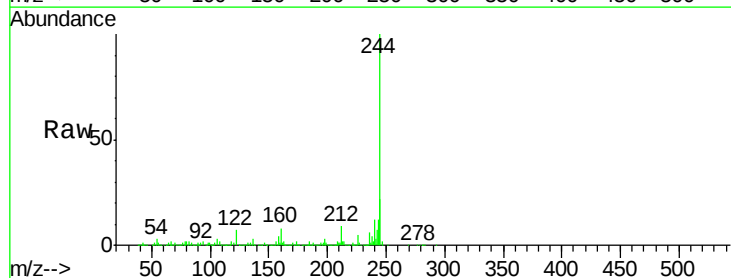
Tgt Ion:184 Resp: 22555

Ion Ratio Lower Upper

184 100

185 16.3 13.3 19.9

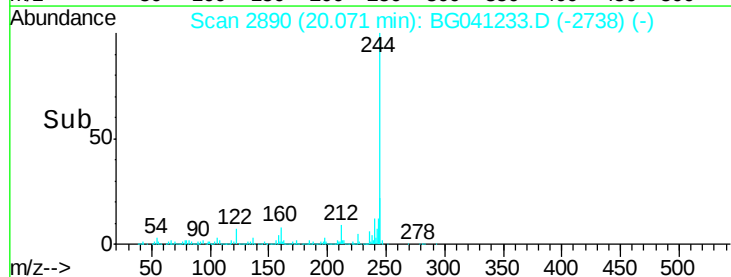
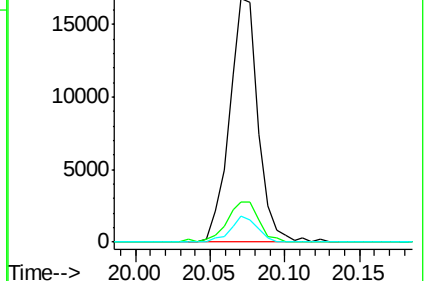
183 10.5 10.7 16.1#

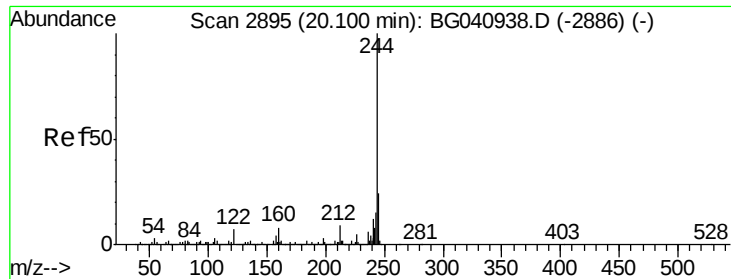


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



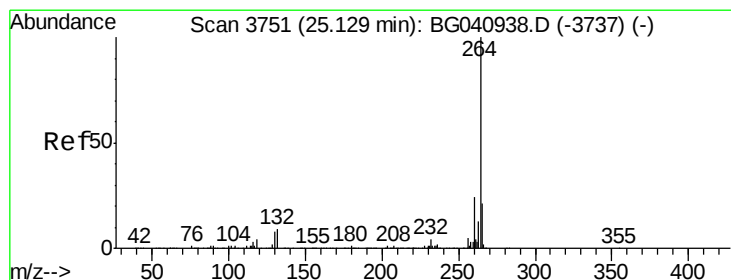
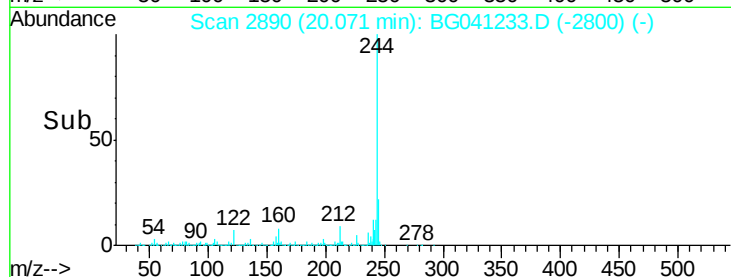
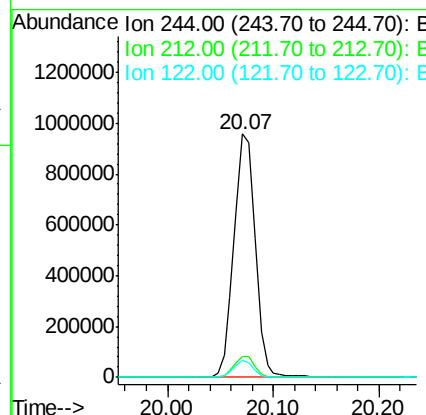
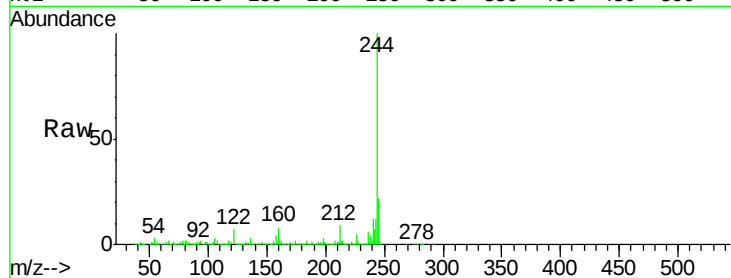


#79
 Terphenyl-d14
 Concen: 109.525 ng
 RT: 20.07 min Scan# 2890
 Delta R.T. -0.00 min
 Lab File: BG041233.D
 Acq: 13 Jun 2019 23:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1334209

Ion	Ratio	Lower	Upper
244	100		
212	8.6	7.0	10.4
122	7.3	5.4	8.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.08 min Scan# 3743
 Delta R.T. -0.00 min
 Lab File: BG041233.D
 Acq: 13 Jun 2019 23:20

Tgt Ion:264 Resp: 187401

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.4
265	21.6	17.0	25.4

