

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042519\
 Data File : BG040617.D
 Acq On : 25 Apr 2019 19:16
 Operator : JU/SJ
 Sample : K2566-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 22:55:59 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

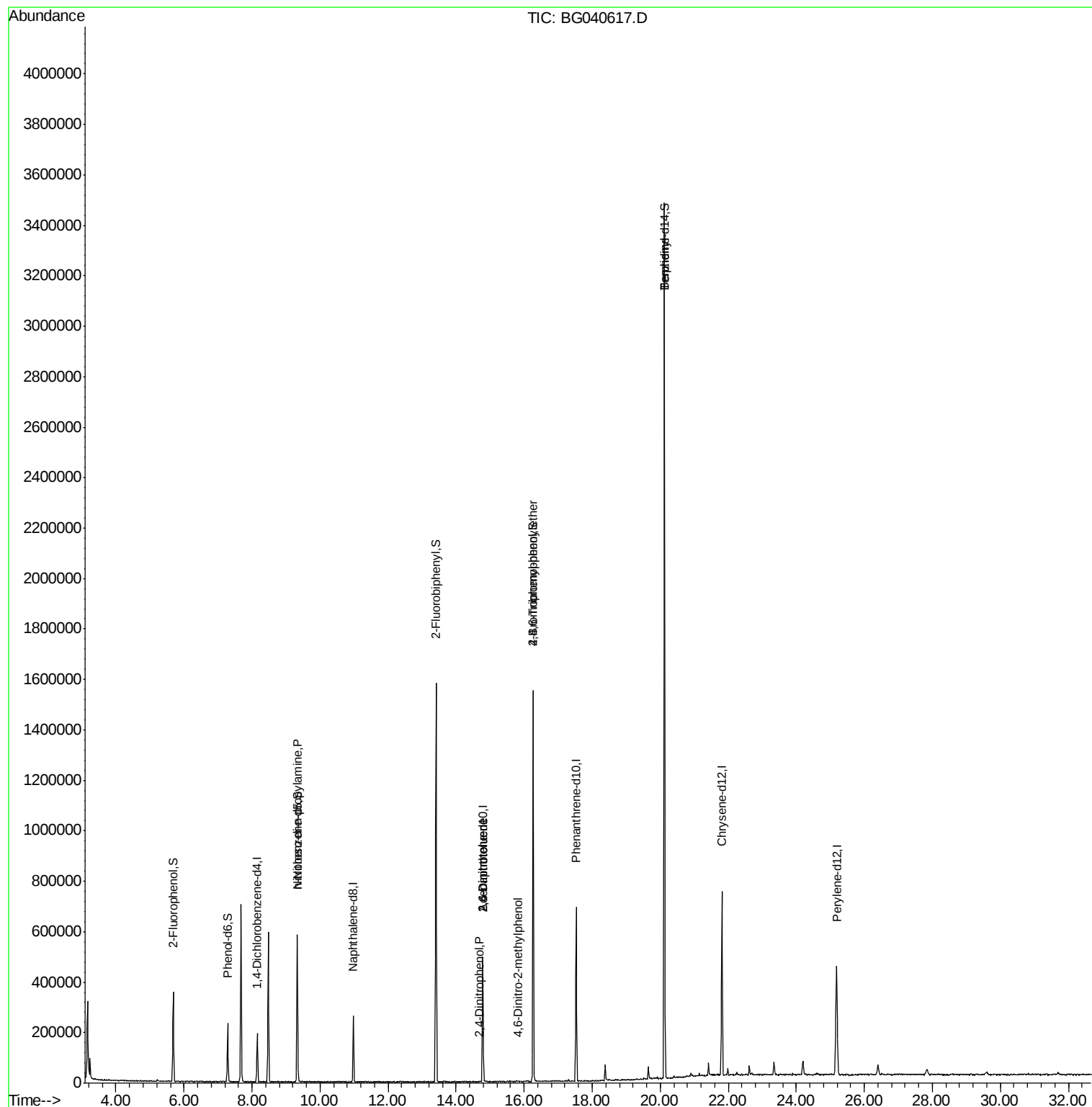
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	45409	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	199206	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	148373	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	396361	20.00	ng	0.00
76) Chrysene-d12	21.81	240	430375	20.00	ng	-0.01
87) Perylene-d12	25.18	264	453948	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	122936	47.72	ng	0.00
7) Phenol-d6	7.28	99	113317	28.57	ng	-0.01
23) Nitrobenzene-d5	9.33	82	332373	77.09	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	243811	119.55	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	739904	72.02	ng	0.00
79) Terphenyl-d14	20.13	244	1555066	80.05	ng	0.00
Target Compounds						
9) Benzaldehyde	7.29	77	441	Below Cal	Qvalue	# 6
19) n-Nitroso-di-n-propylamine	9.33	70	49112	13.755	ng	# 77
51) 2,6-Dinitrotoluene	14.78	165	19647	8.109	ng	# 16
54) 2,4-Dinitrophenol	14.67	184	57	7.053	ng	# 21
57) 2,4-Dinitrotoluene	14.78	165	19647	5.968	ng	# 18
65) 4,6-Dinitro-2-methylphenol	15.82	198	63	7.129	ng	# 28
67) 4-Bromophenyl-phenylether	16.27	248	17415	3.527	ng	# 1
77) Benzidine	20.13	184	32179	2.731	ng	98

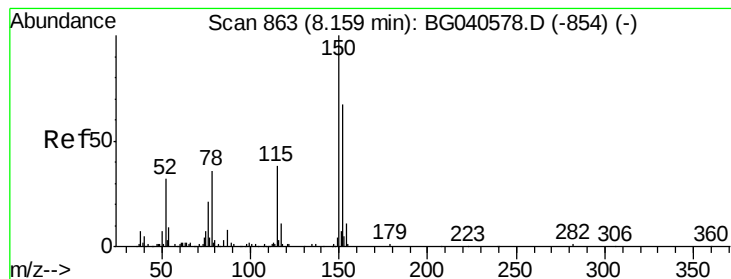
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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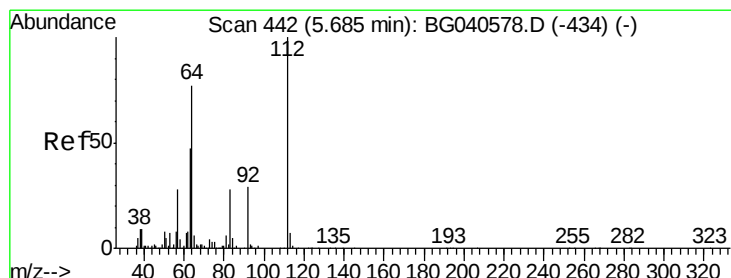
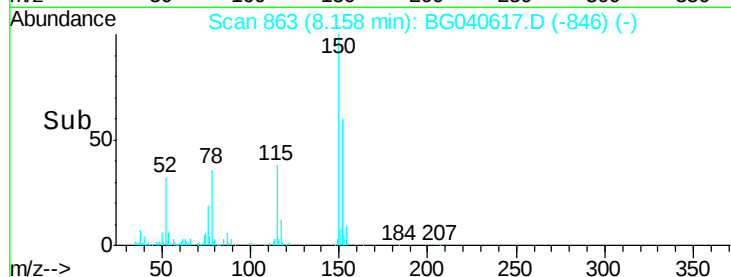
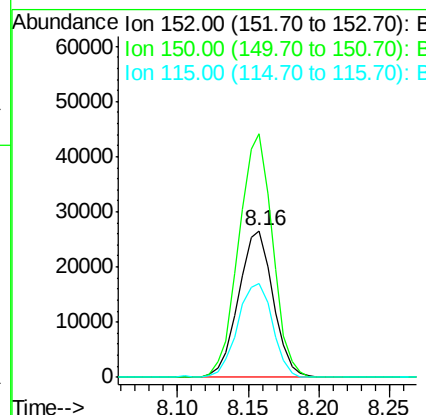
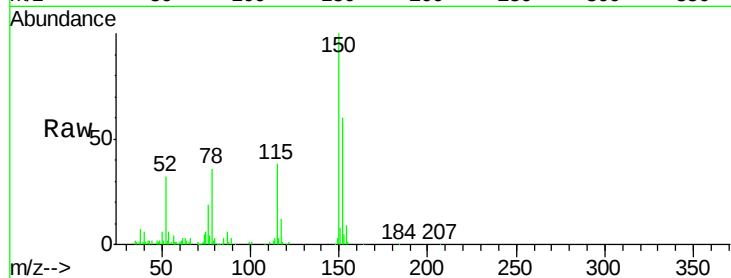




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: BG040617.D
 Acq: 25 Apr 2019 19:16

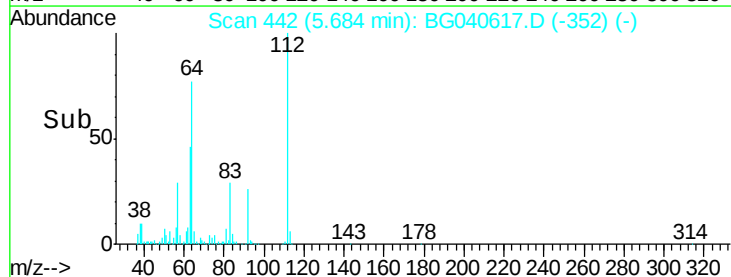
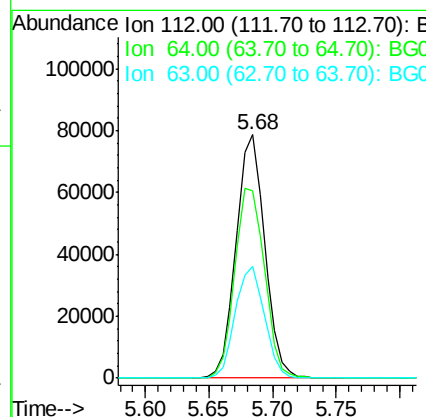
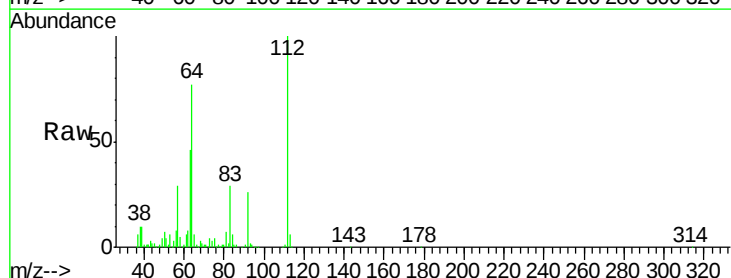
Instrument :
 BNA_G
 ClientSampleId :

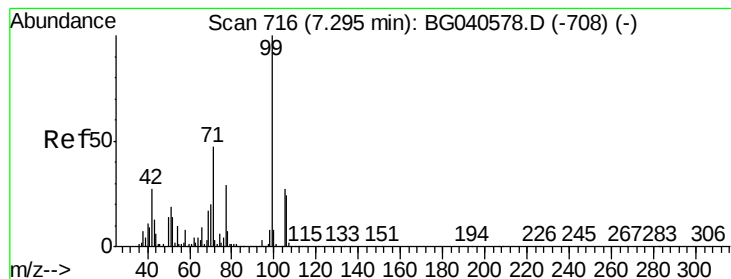
Tot Ion:152 Resp: 45409
 Ion Ratio Lower Upper
 152 100
 150 166.4 120.2 180.2
 115 64.0 46.2 69.2



#5
 2-Fluorophenol
 Concen: 47.723 ng
 RT: 5.68 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: BG040617.D
 Acq: 25 Apr 2019 19:16

Tgt Ion:112 Resp: 122936
 Ion Ratio Lower Upper
 112 100
 64 77.2 61.4 92.0
 63 45.7 37.8 56.6





#7

Phenol-d6

Concen: 28.570 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040617.D

Acq: 25 Apr 2019 19:16

Instrument :

BNA_G

ClientSampleId :

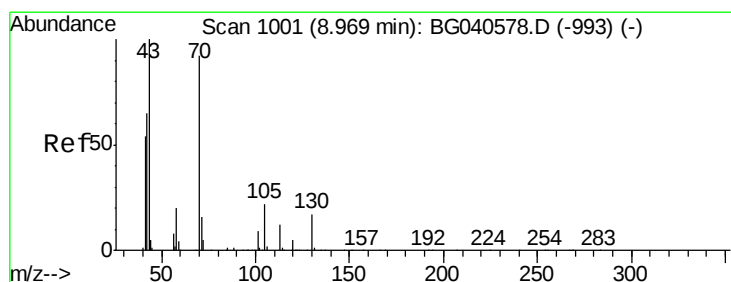
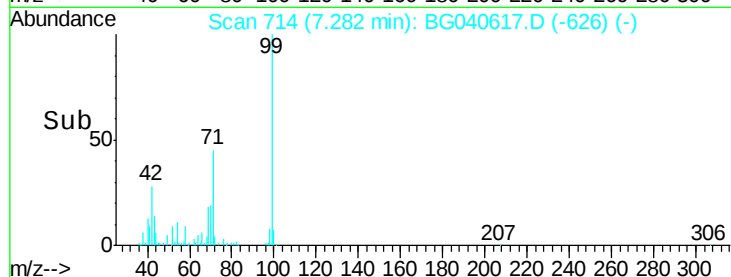
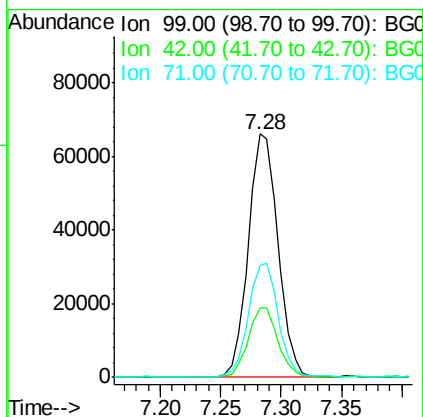
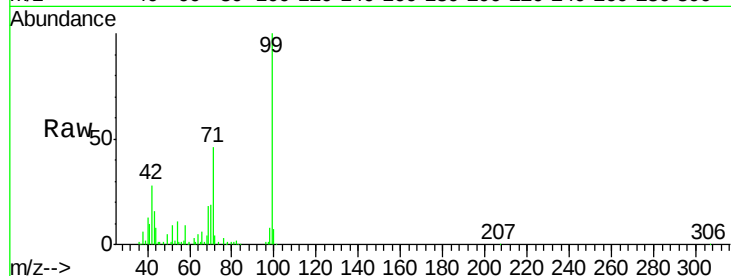
Tot Ion: 99 Resp: 113317

Ion Ratio Lower Upper

99 100

42 28.4 21.8 32.8

71 46.0 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 13.755 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.36 min

Lab File: BG040617.D

Acq: 25 Apr 2019 19:16

Tgt Ion: 70 Resp: 49112

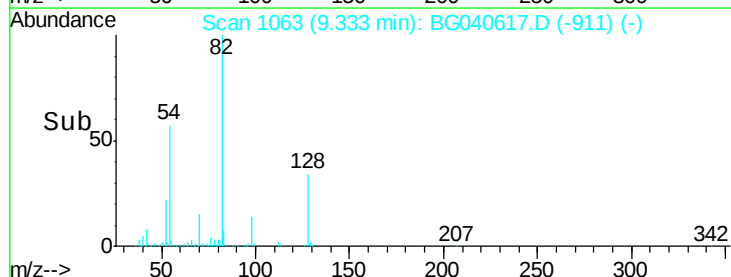
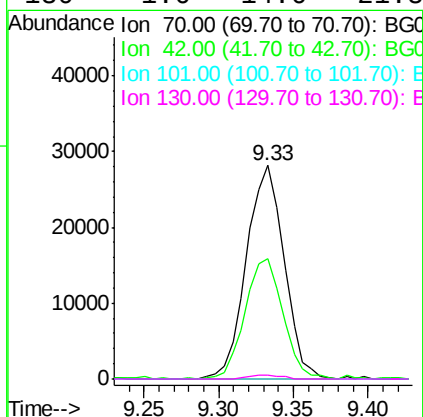
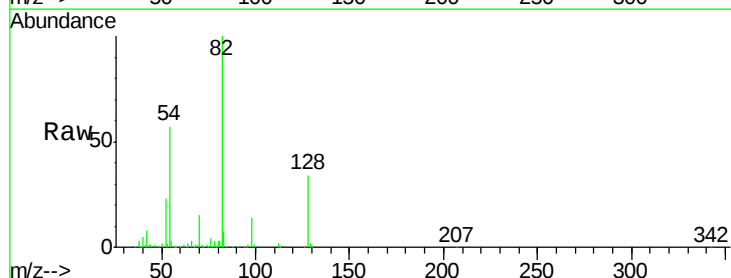
Ion Ratio Lower Upper

70 100

42 56.2 57.1 85.7#

101 0.0 7.8 11.8#

130 1.6 14.6 21.8#

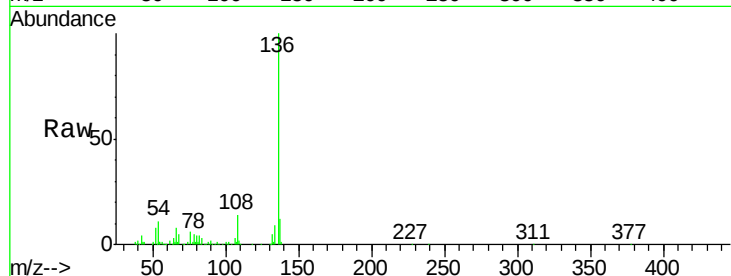




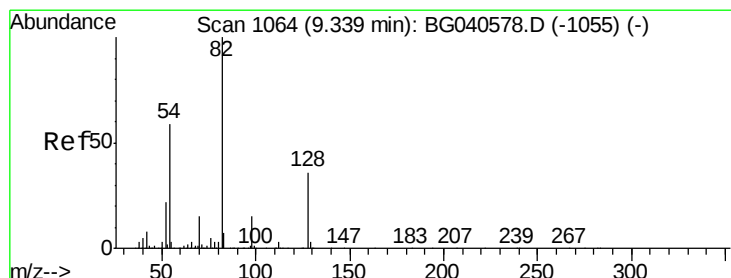
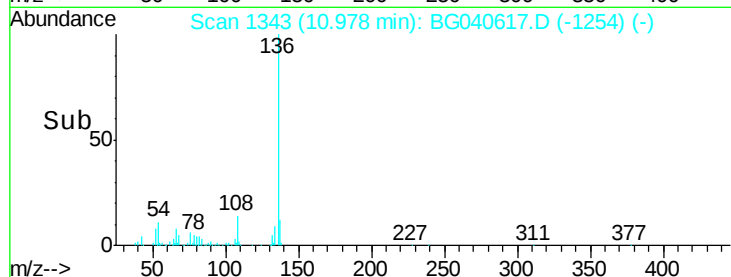
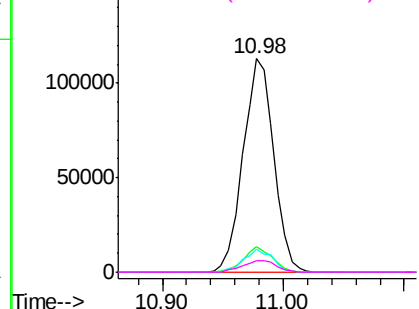
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BG040617.D
Acq: 25 Apr 2019 19:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	199206
Ion Ratio	Lower	Upper
136 100		
137 12.0	9.7	14.5
54 11.2	8.6	12.8
68 5.5	4.8	7.2

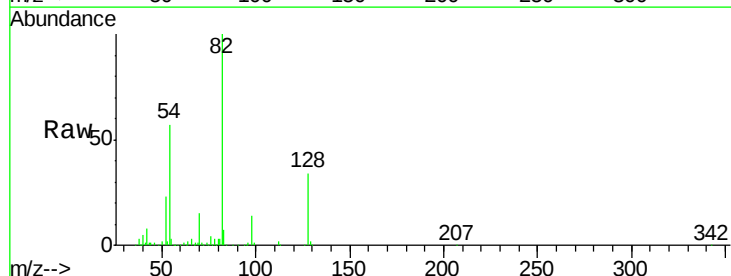


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

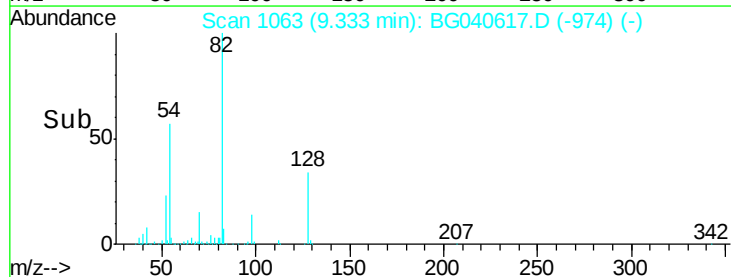
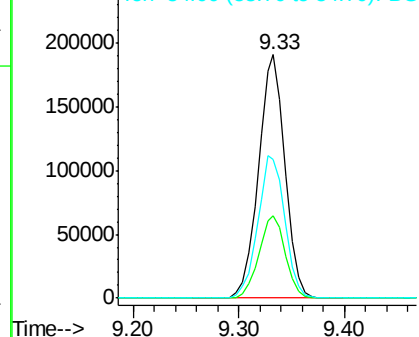


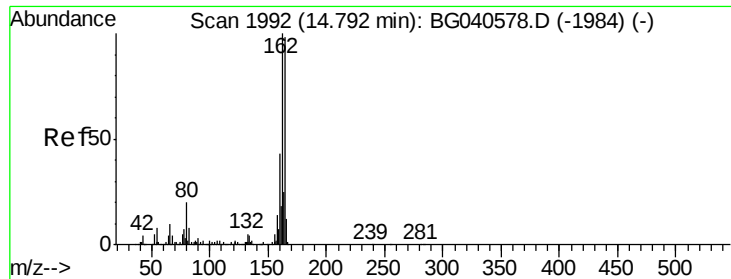
#23
Nitrobenzene-d5
Concen: 77.095 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG040617.D
Acq: 25 Apr 2019 19:16

Tgt Ion: 82	Resp: 332373
Ion Ratio	Lower Upper
82 100	
128 33.9	28.9 43.3
54 57.2	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: 14.79 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BG040617.D

Acq: 25 Apr 2019 19:16

Instrument :

BNA_G

ClientSampleId :

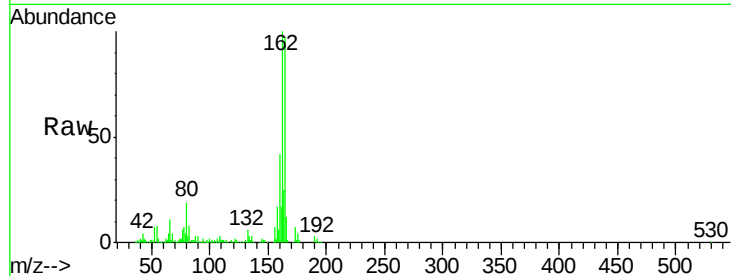
Tot Ion:164 Resp: 148373

Ion Ratio Lower Upper

164 100

162 102.9 81.9 122.9

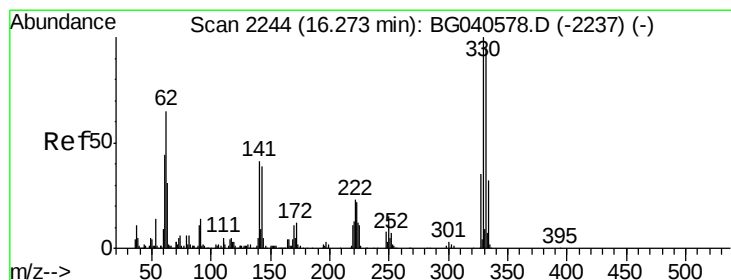
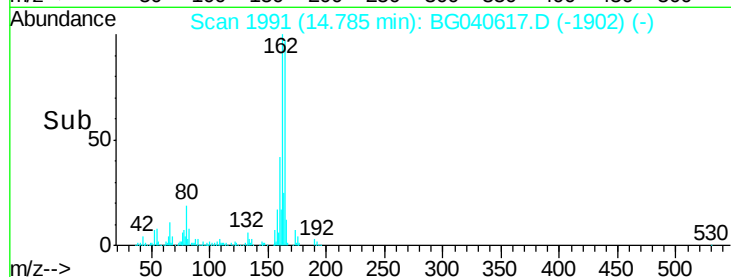
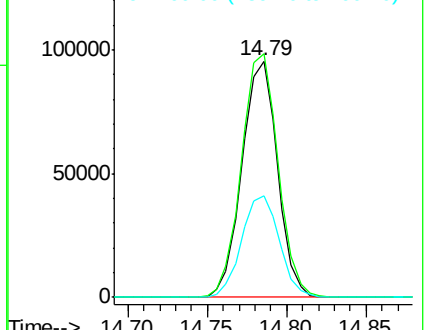
160 43.0 35.4 53.2



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: 119.549 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG040617.D

Acq: 25 Apr 2019 19:16

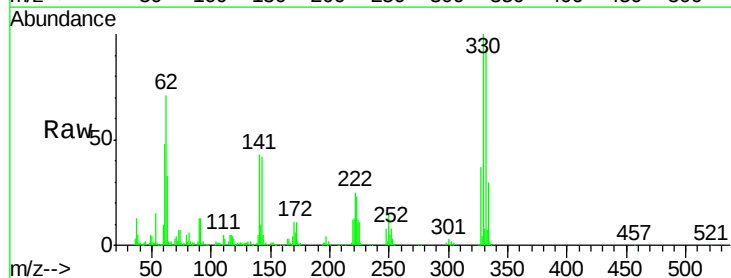
Tgt Ion:330 Resp: 243811

Ion Ratio Lower Upper

330 100

332 96.3 75.9 113.9

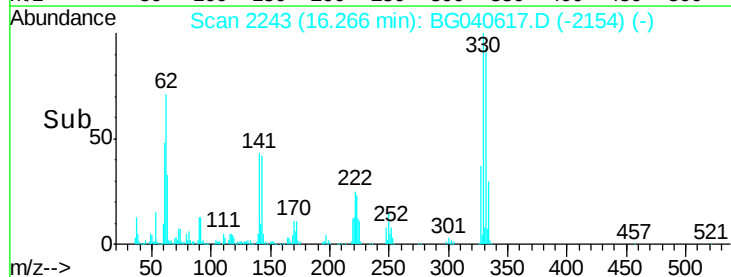
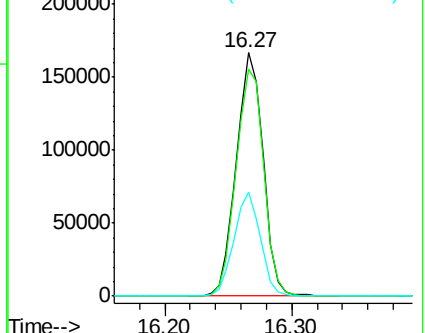
141 41.6 32.4 48.6

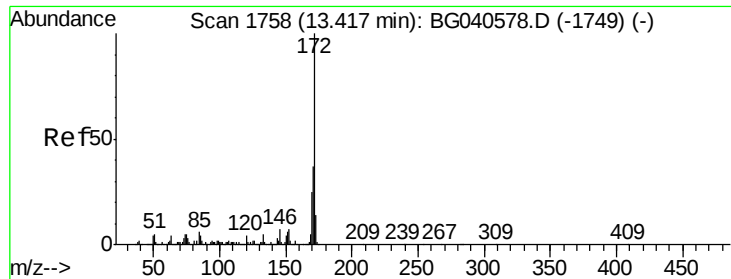


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

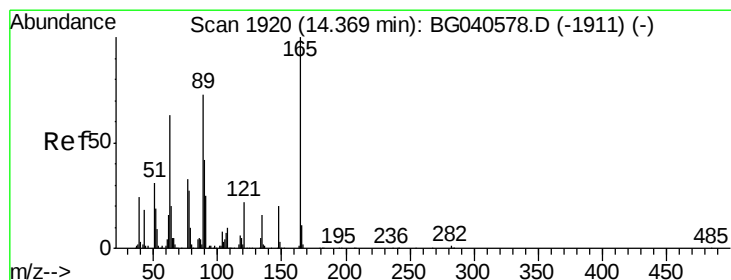
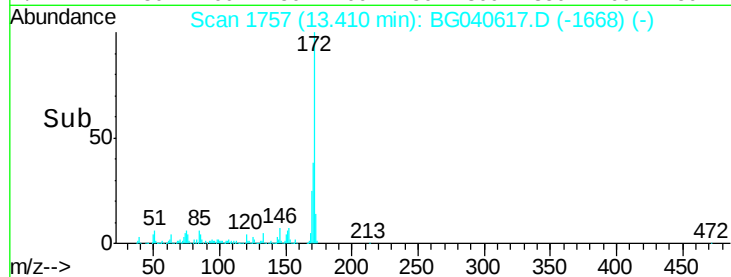
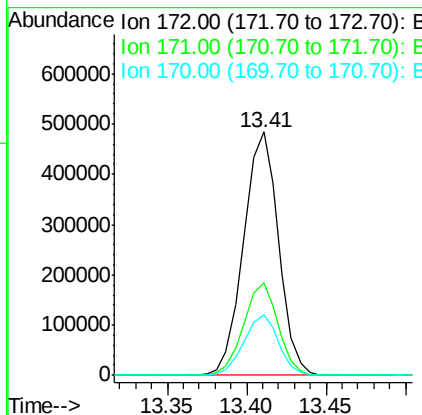
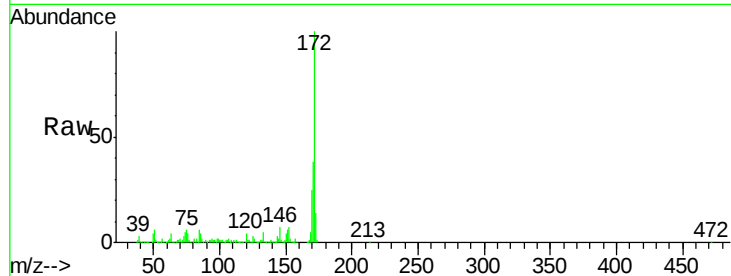




#45
 2-Fluorobiphenyl
 Concen: 72.019 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: BG040617.D
 Acq: 25 Apr 2019 19:16

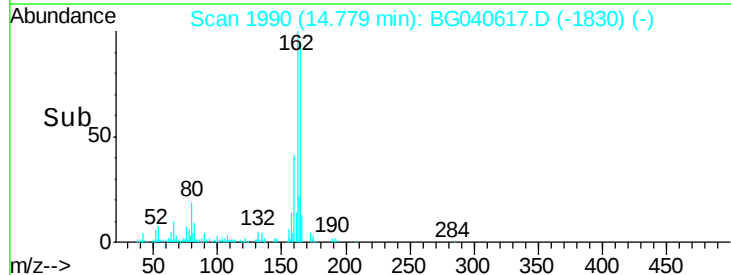
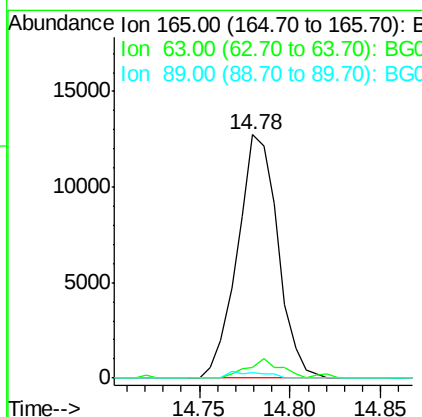
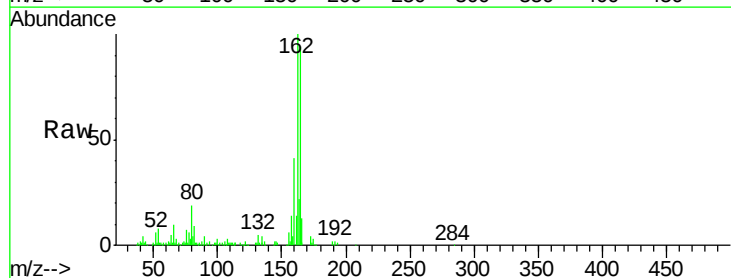
Instrument :
 BNA_G
 ClientSampleId :

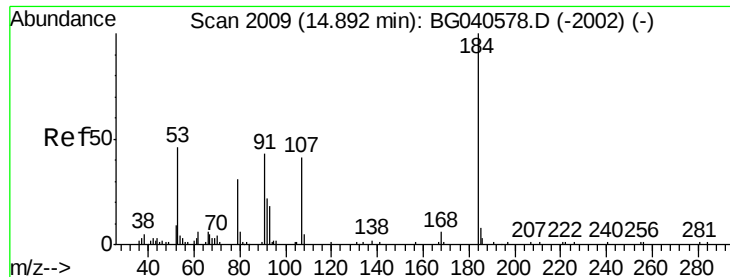
Tot Ion:172 Resp: 739904
 Ion Ratio Lower Upper
 172 100
 171 37.8 29.4 44.2
 170 25.1 19.9 29.9



#51
 2,6-Dinitrotoluene
 Concen: 8.109 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. 0.41 min
 Lab File: BG040617.D
 Acq: 25 Apr 2019 19:16

Tgt Ion:165 Resp: 19647
 Ion Ratio Lower Upper
 165 100
 63 4.6 61.0 91.4#
 89 2.4 58.6 87.8#

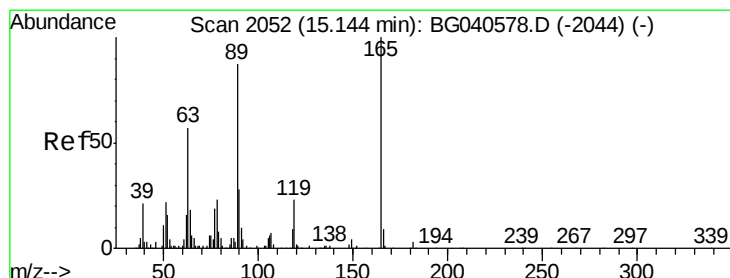
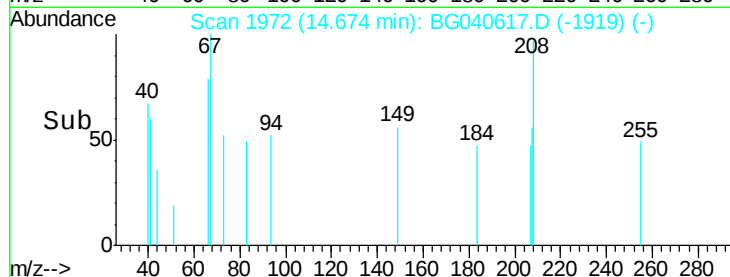
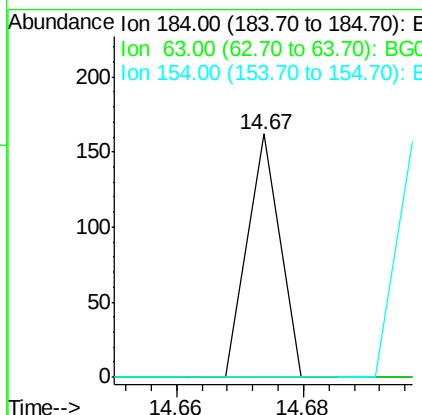
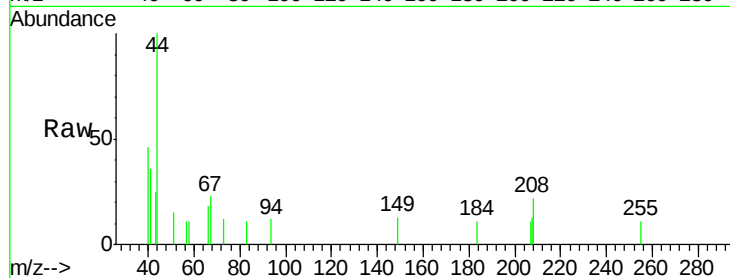




#54
2,4-Dinitrophenol
Concen: 7.053 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.22 min
Lab File: BG040617.D
Acq: 25 Apr 2019 19:16

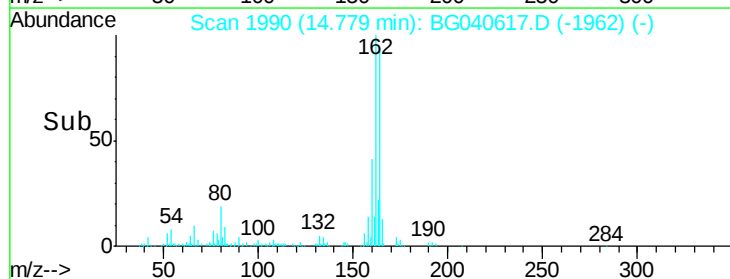
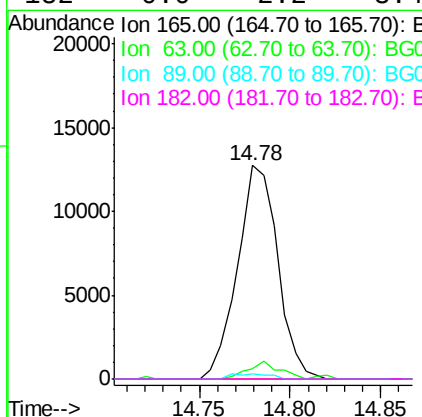
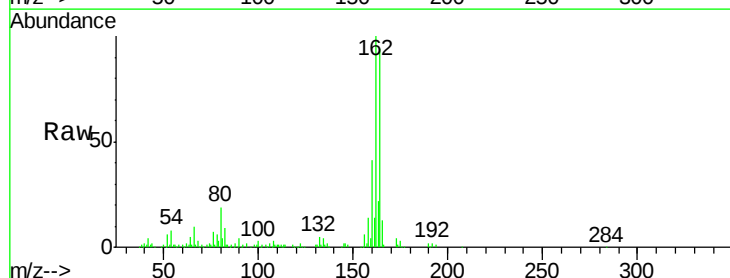
Instrument :
BNA_G
ClientSampled :

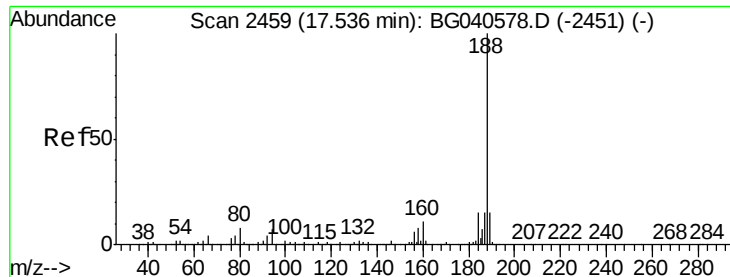
Tot Ion:184 Resp: 57
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 5.968 ng
RT: 14.78 min Scan# 1990
Delta R.T. -0.37 min
Lab File: BG040617.D
Acq: 25 Apr 2019 19:16

Tgt Ion:165 Resp: 19647
Ion Ratio Lower Upper
165 100
63 4.6 45.8 68.8#
89 2.4 69.4 104.2#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BG040617.D

Acq: 25 Apr 2019 19:16

Instrument :

BNA_G

ClientSampleId :

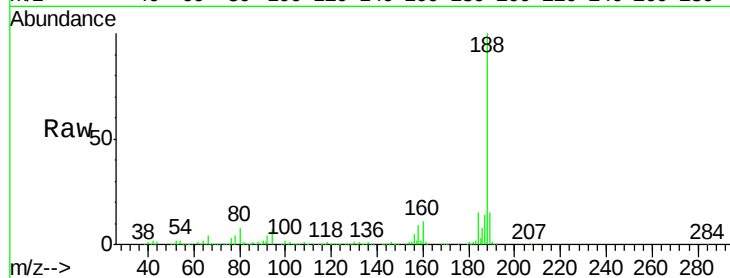
Tot Ion:188 Resp: 396361

Ion Ratio Lower Upper

188 100

94 7.3 5.6 8.4

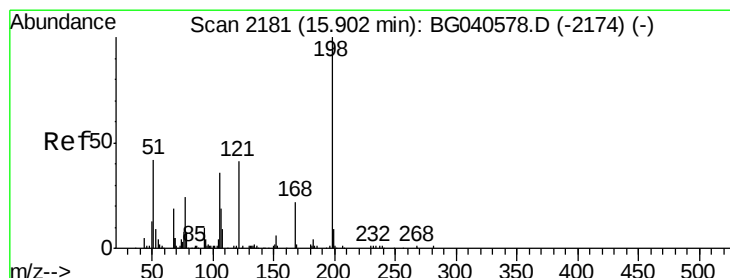
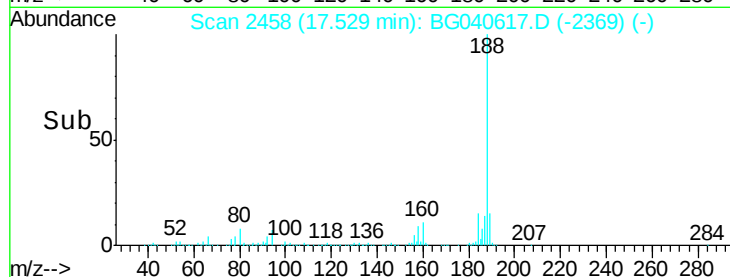
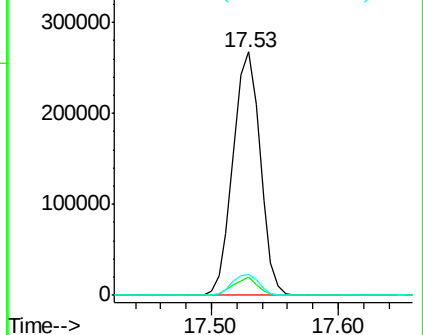
80 8.5 6.4 9.6



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: 7.129 ng

RT: 15.82 min Scan# 2167

Delta R.T. -0.08 min

Lab File: BG040617.D

Acq: 25 Apr 2019 19:16

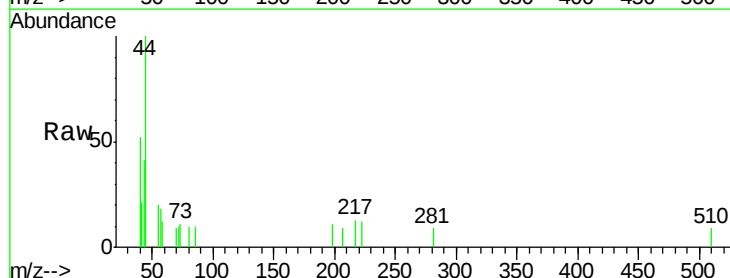
Tgt Ion:198 Resp: 63

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

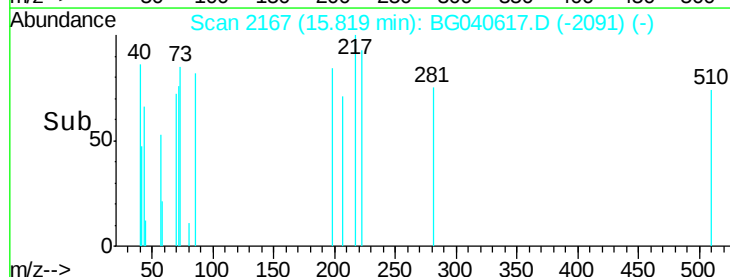
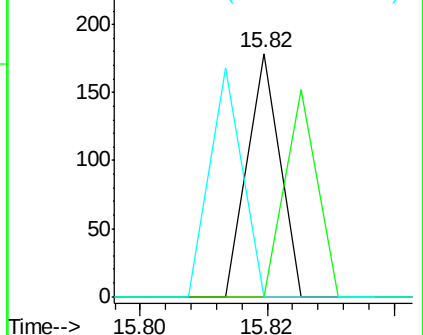
105 0.0 21.2 61.2#

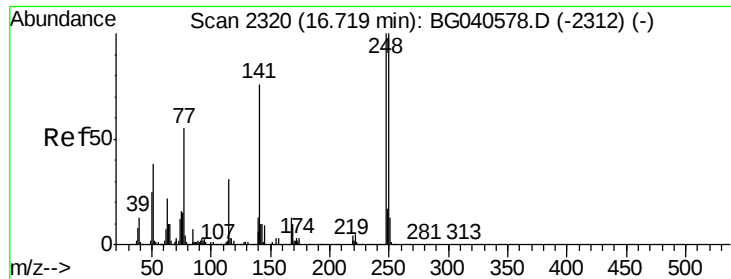


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

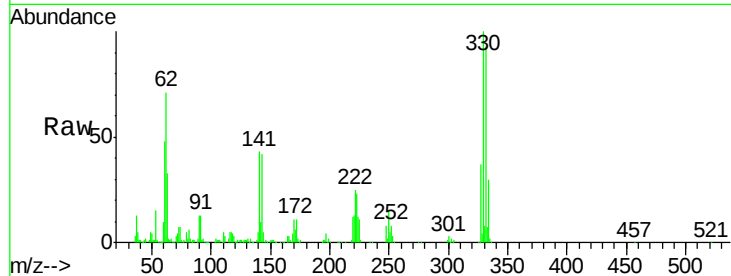




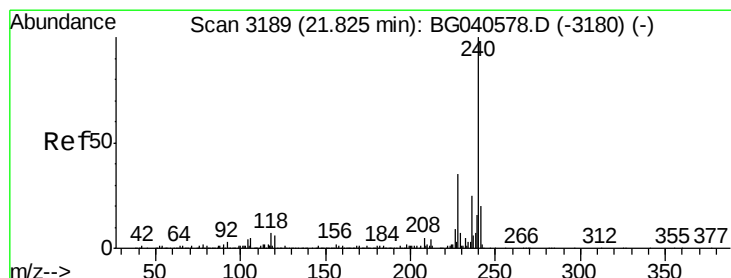
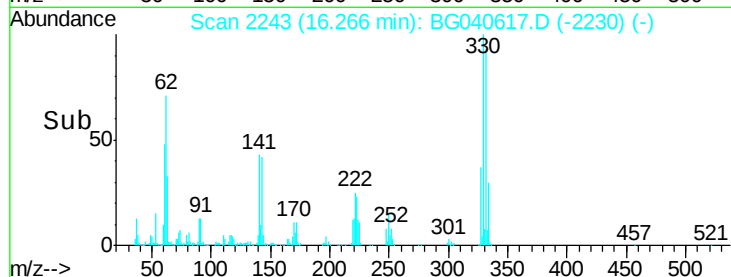
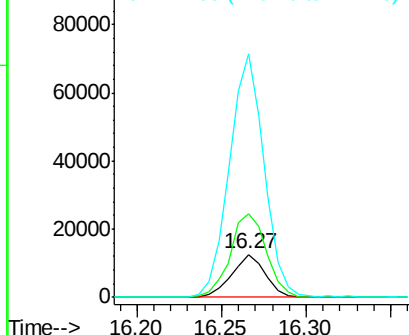
#67
 4-Bromophenyl-phenylether
 Concen: 3.527 ng
 RT: 16.27 min Scan# 2243
 Delta R.T. -0.45 min
 Lab File: BG040617.D
 Acq: 25 Apr 2019 19:16

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 17415
 Ion Ratio Lower Upper
 248 100
 250 147.4 79.8 119.6#
 141 432.1 60.8 91.2#

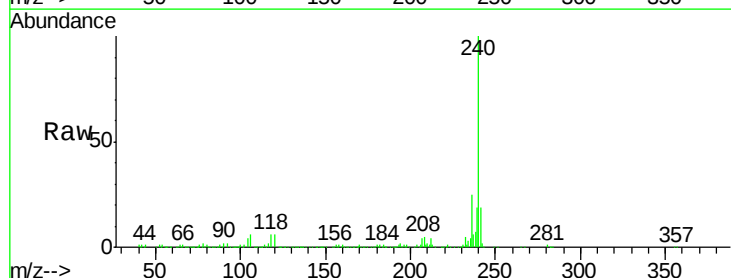


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

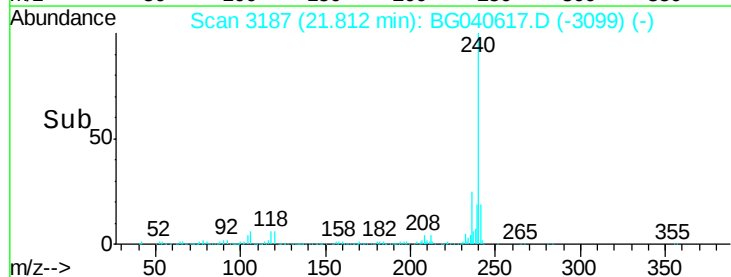
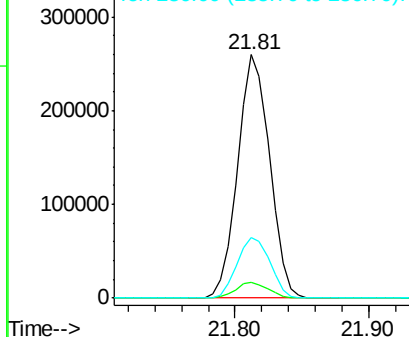


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.81 min Scan# 3187
 Delta R.T. -0.01 min
 Lab File: BG040617.D
 Acq: 25 Apr 2019 19:16

Tgt Ion:240 Resp: 430375
 Ion Ratio Lower Upper
 240 100
 120 6.4 5.0 7.6
 236 24.8 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: 2.731 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.37 min

Lab File: BG040617.D

Acq: 25 Apr 2019 19:16

Instrument :

BNA_G

ClientSampleId :

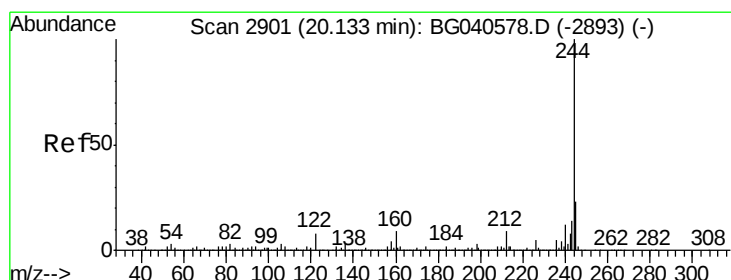
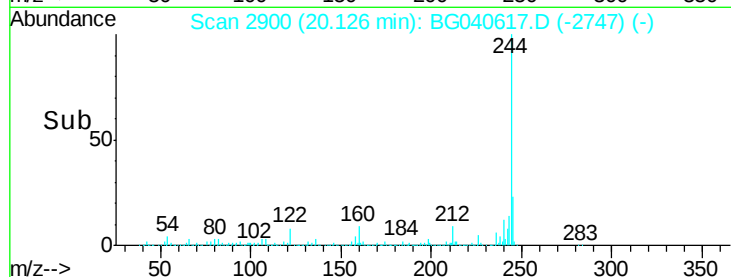
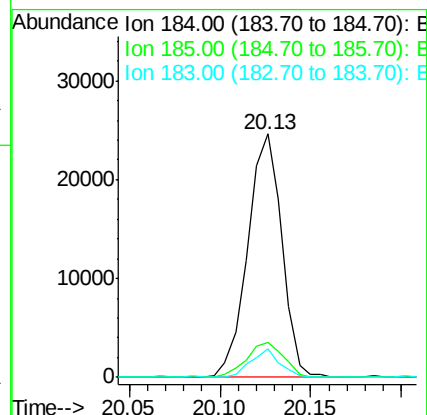
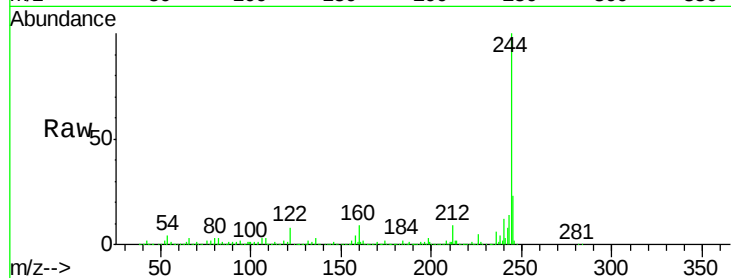
Tot Ion:184 Resp: 32179

Ion Ratio Lower Upper

184 100

185 14.1 11.8 17.8

183 11.8 10.2 15.2



#79

Terphenyl-d14

Concen: 80.049 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.01 min

Lab File: BG040617.D

Acq: 25 Apr 2019 19:16

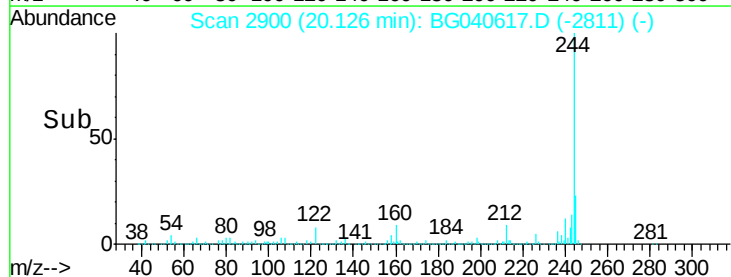
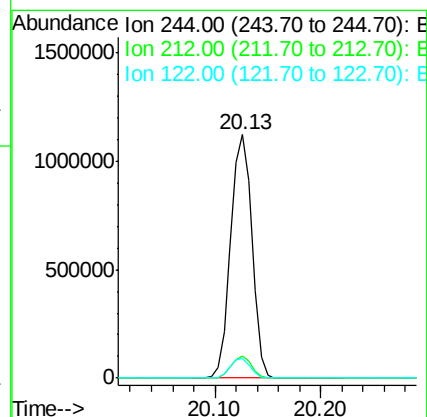
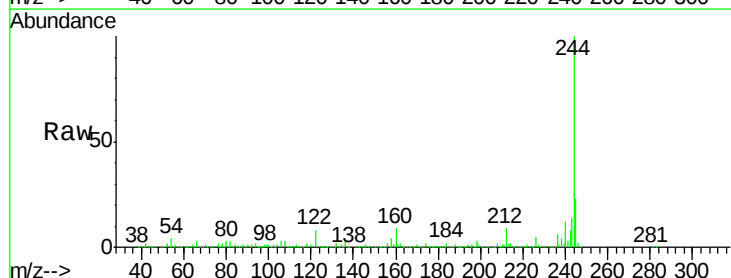
Tgt Ion:244 Resp: 1555066

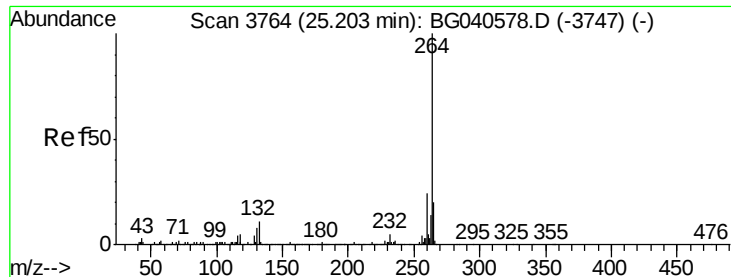
Ion Ratio Lower Upper

244 100

212 9.3 7.2 10.8

122 8.2 6.6 10.0

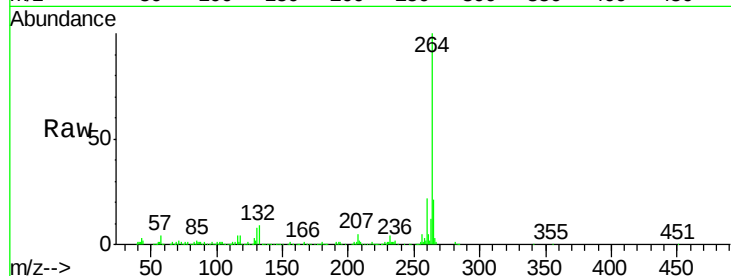




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.18 min Scan# 3760
Delta R.T. -0.02 min
Lab File: BG040617.D
Acq: 25 Apr 2019 19:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.2	19.2	28.8
265	21.1	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

