

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041219\
 Data File : BG040473.D
 Acq On : 12 Apr 2019 22:52
 Operator : JU/SJ
 Sample : K2196-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 13 00:51:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 28 05:47:00 2019
 Response via : Initial Calibration

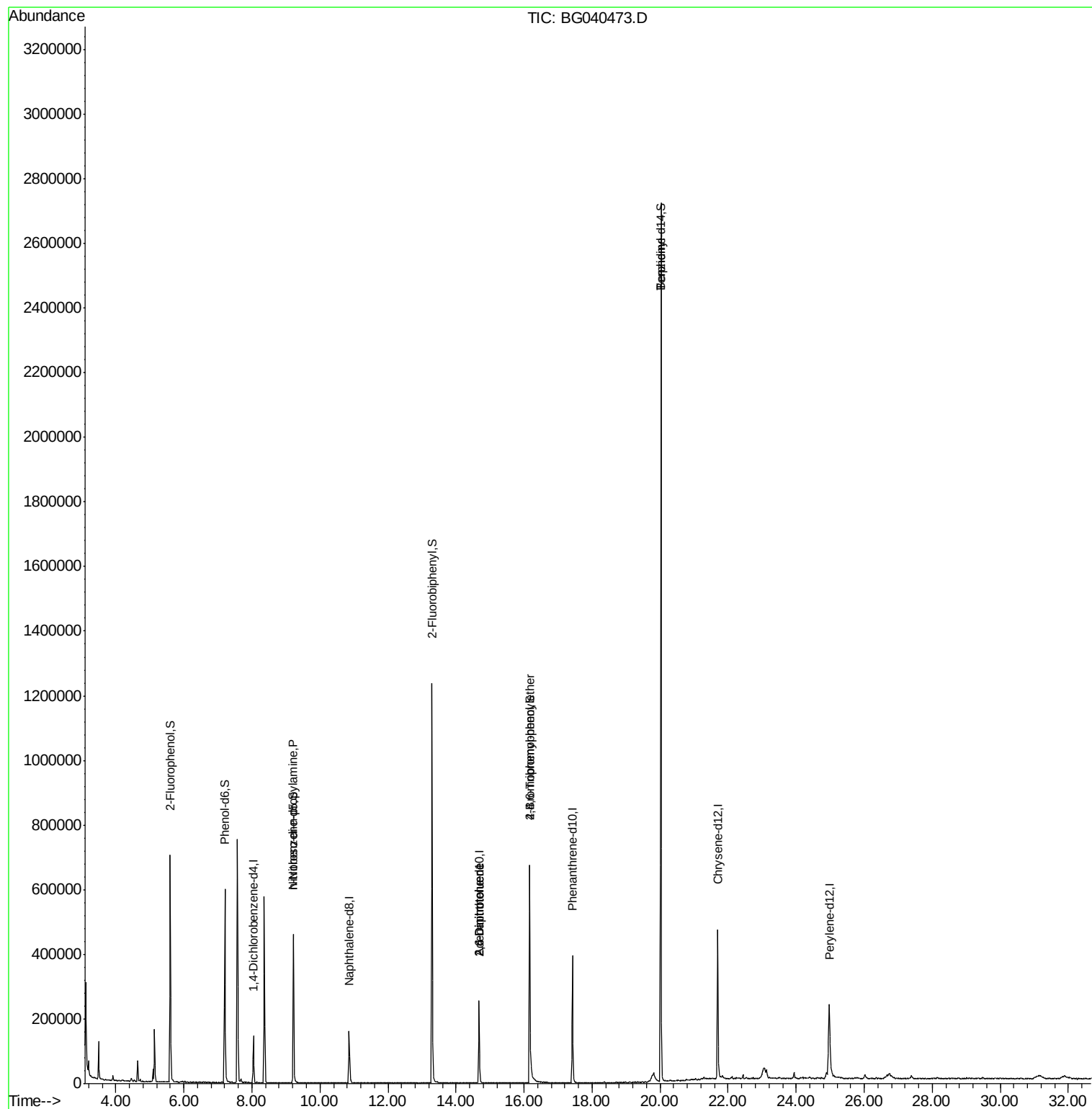
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	40848	20.00	ng	-0.03
21) Naphthalene-d8	10.86	136	153233	20.00	ng	-0.03
39) Acenaphthene-d10	14.68	164	96483	20.00	ng	-0.03
64) Phenanthrene-d10	17.42	188	265503	20.00	ng	-0.03
76) Chrysene-d12	21.69	240	287774	20.00	ng	-0.04
87) Perylene-d12	24.97	264	299544	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	316204	128.69	ng	-0.02
7) Phenol-d6	7.20	99	381771	112.42	ng	-0.02
23) Nitrobenzene-d5	9.22	82	294822	102.27	ng	-0.03
42) 2,4,6-Tribromophenol	16.17	330	153746	147.45	ng	-0.02
45) 2-Fluorobiphenyl	13.29	172	674602	103.60	ng	-0.03
79) Terphenyl-d14	20.02	244	1329384	103.92	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	37065	15.223	ng	# 70
51) 2,6-Dinitrotoluene	14.67	165	12211	7.202	ng	# 25
57) 2,4-Dinitrotoluene	14.67	165	12211	5.183	ng	# 25
67) 4-Bromophenyl-phenylether	16.16	248	12107	4.052	ng	# 1
77) Benzidine	20.02	184	21570	2.076	ng	# 91

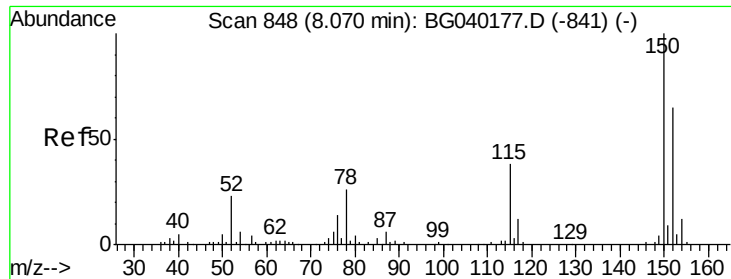
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041219\
Data File : BG040473.D
Acq On : 12 Apr 2019 22:52
Operator : JU/SJ
Sample : K2196-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Apr 13 00:51:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 28 05:47:00 2019
Response via : Initial Calibration



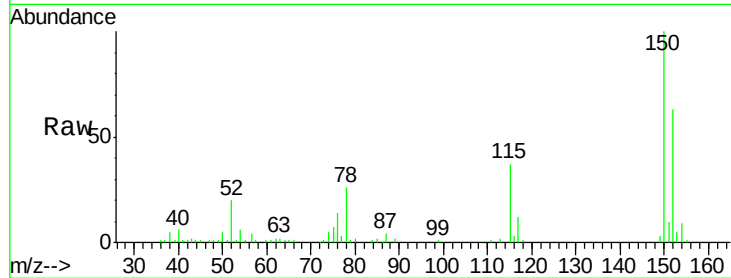


#1

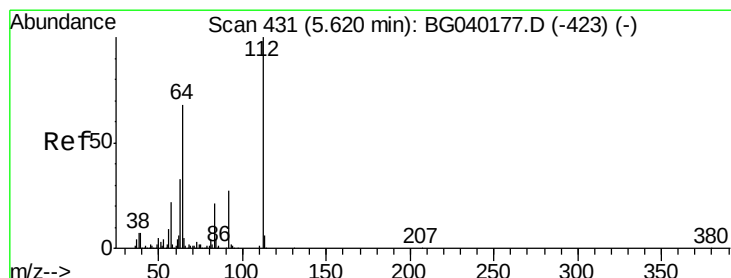
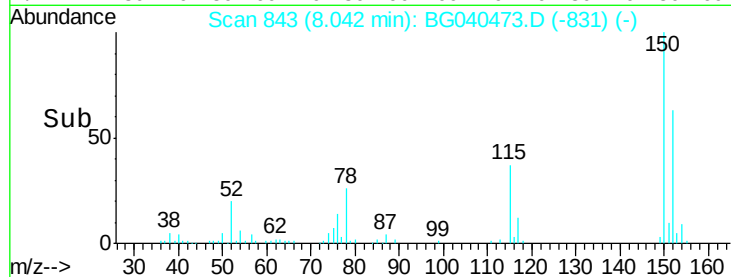
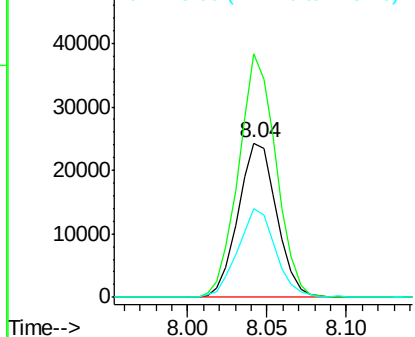
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.03 min
Lab File: BG040473.D
Acq: 12 Apr 2019 22:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 40848
Ion Ratio Lower Upper
152 100
150 157.8 123.7 185.5
115 57.7 46.9 70.3



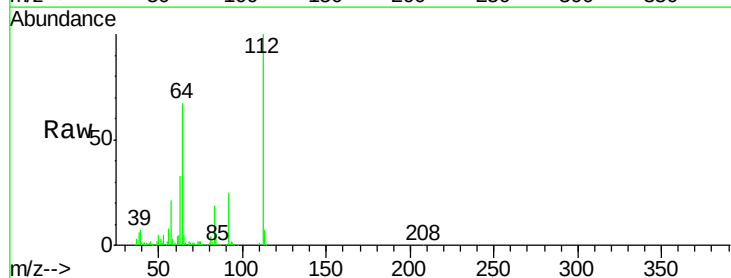
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



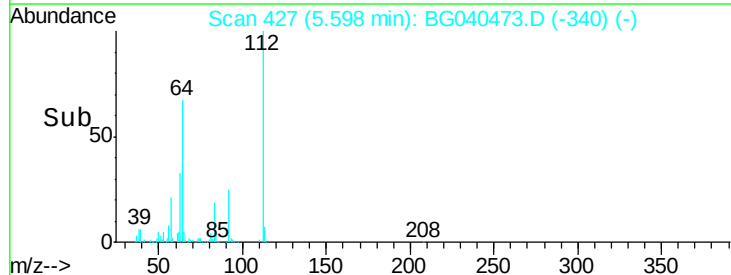
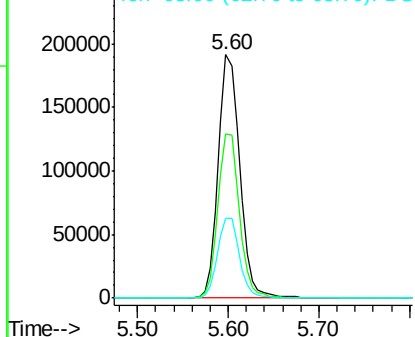
#5

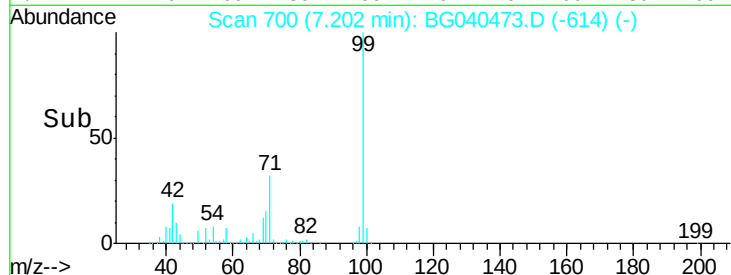
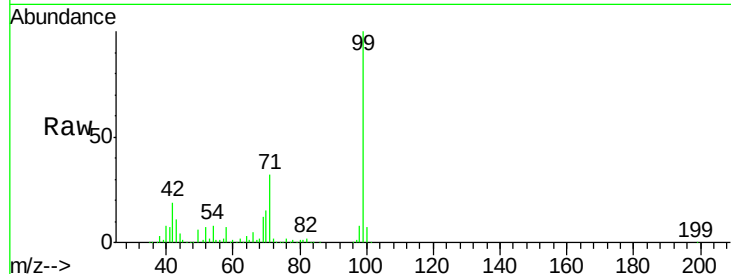
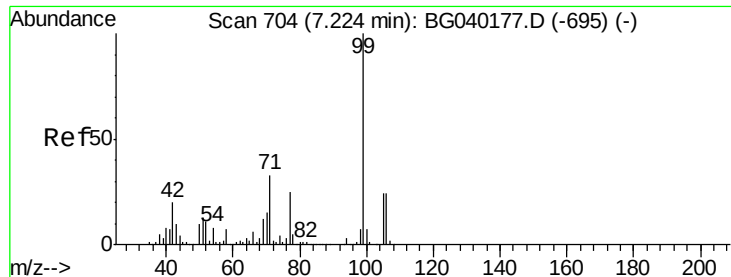
2-Fluorophenol
Concen: 128.687 ng
RT: 5.60 min Scan# 427
Delta R.T. -0.02 min
Lab File: BG040473.D
Acq: 12 Apr 2019 22:52

Tgt Ion:112 Resp: 316204
Ion Ratio Lower Upper
112 100
64 67.3 54.2 81.2
63 32.7 26.4 39.6



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





#7

Phenol-d6

Concen: 112.424 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.02 min

Lab File: BG040473.D

Acq: 12 Apr 2019 22:52

Instrument :

BNA_G

ClientSampled :

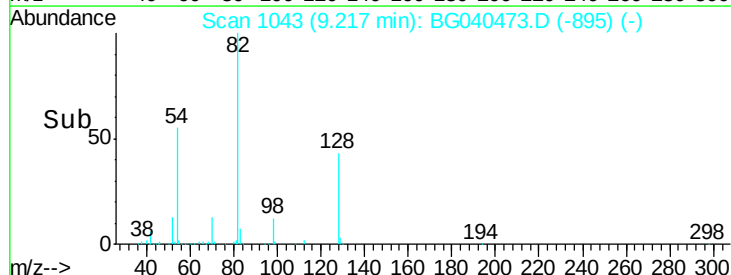
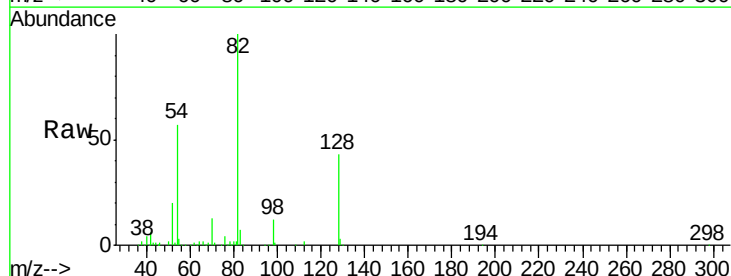
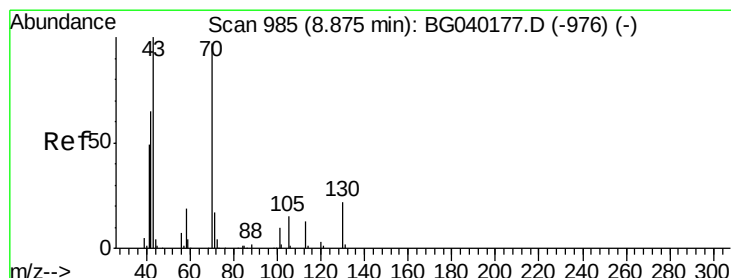
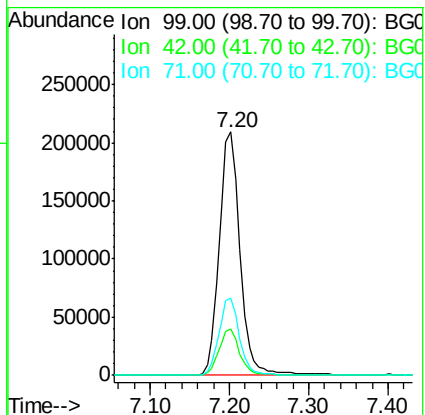
Tot Ion: 99 Resp: 381771

Ion Ratio Lower Upper

99 100

42 19.2 16.2 24.2

71 31.5 26.8 40.2



#19

n-Nitroso-di-n-propylamine

Concen: 15.223 ng

RT: 9.22 min Scan# 1043

Delta R.T. 0.34 min

Lab File: BG040473.D

Acq: 12 Apr 2019 22:52

Tgt Ion: 70 Resp: 37065

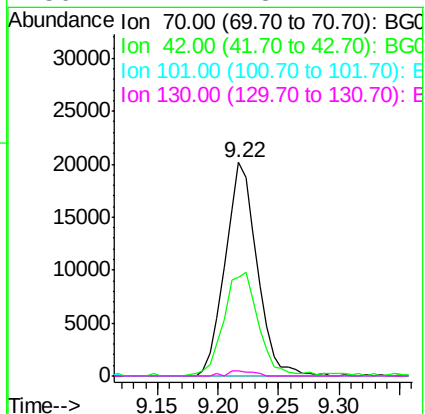
Ion Ratio Lower Upper

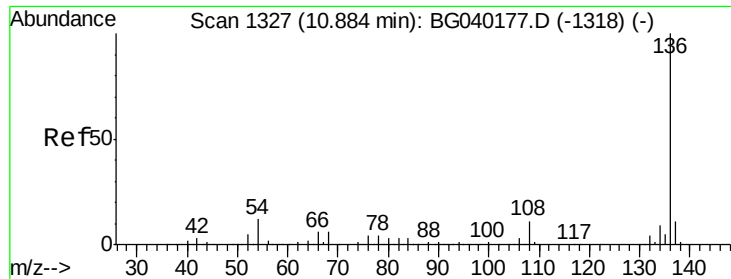
70 100

42 46.1 54.0 81.0#

101 0.0 8.6 13.0#

130 2.1 18.2 27.2#

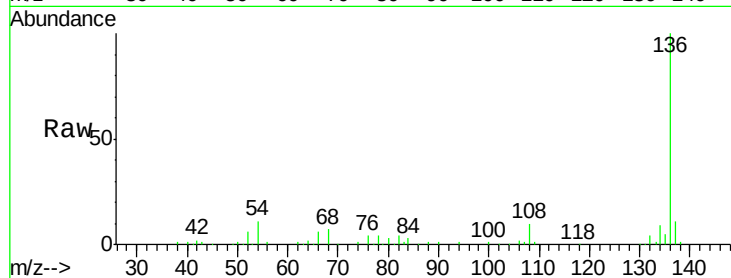




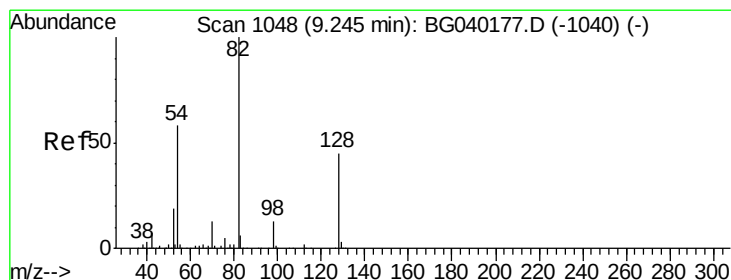
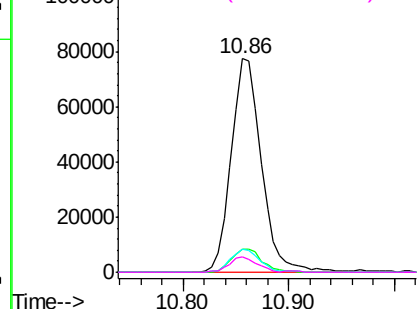
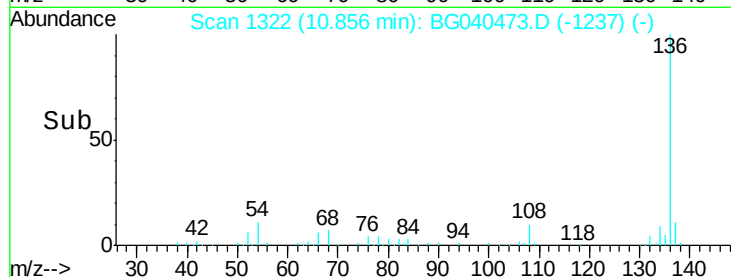
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.03 min
Lab File: BG040473.D
Acq: 12 Apr 2019 22:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	153233
Ion Ratio	Lower	Upper
136 100		
137 10.9	8.9	13.3
54 10.8	9.6	14.4
68 7.2	5.1	7.7

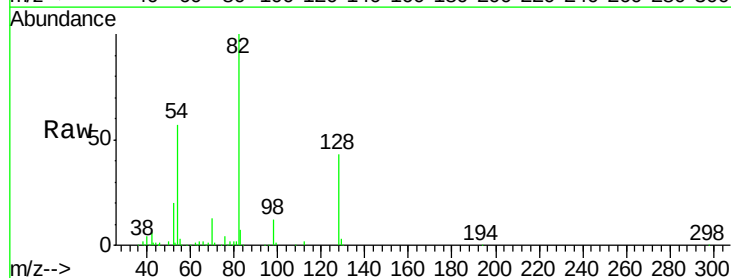


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

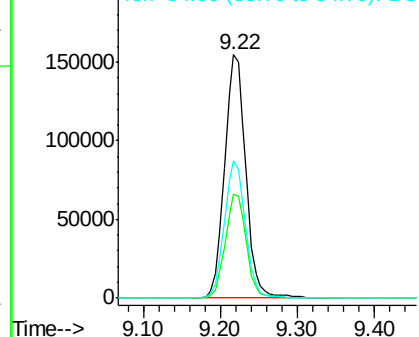
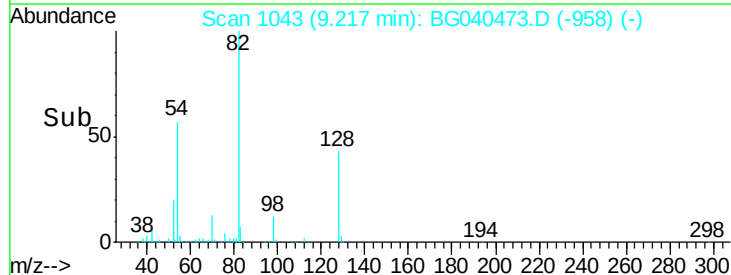


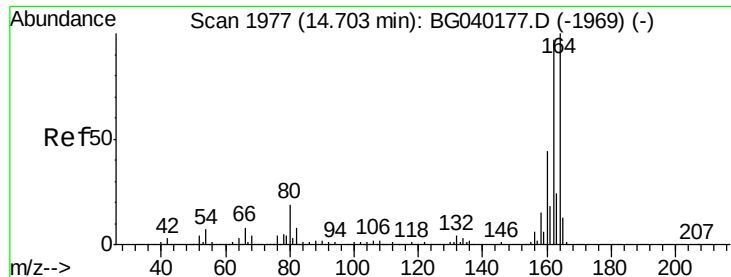
#23
Nitrobenzene-d5
Concen: 102.268 ng
RT: 9.22 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BG040473.D
Acq: 12 Apr 2019 22:52

Tgt Ion: 82	Resp: 294822
Ion Ratio	Lower Upper
82 100	
128 43.0	35.8 53.8
54 56.6	46.2 69.2



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

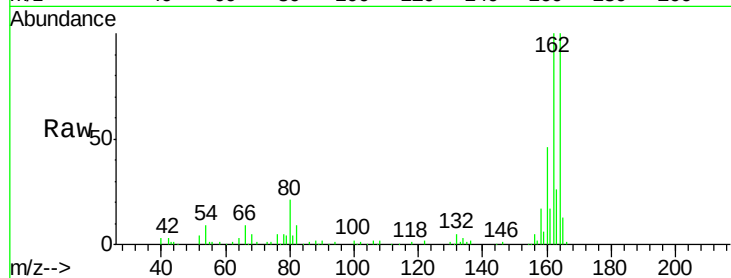




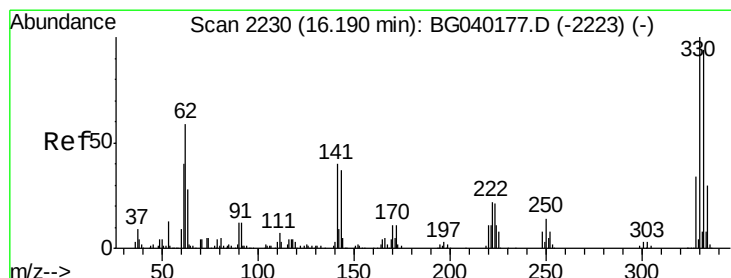
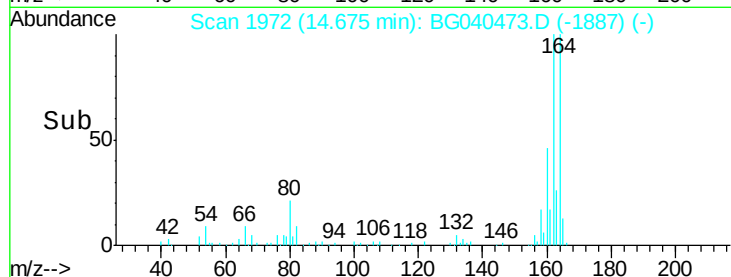
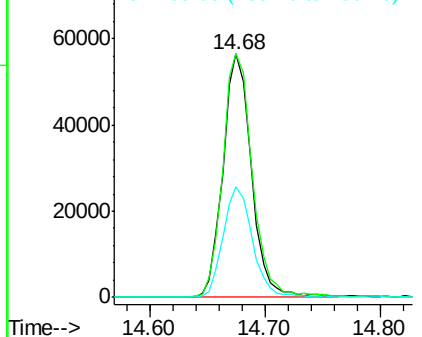
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1972
Delta R.T. -0.03 min
Lab File: BG040473.D
Acq: 12 Apr 2019 22:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 96483
Ion Ratio Lower Upper
164 100
162 100.1 77.4 116.2
160 45.6 35.3 52.9

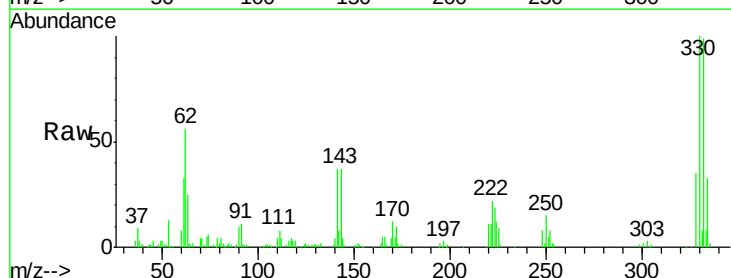


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

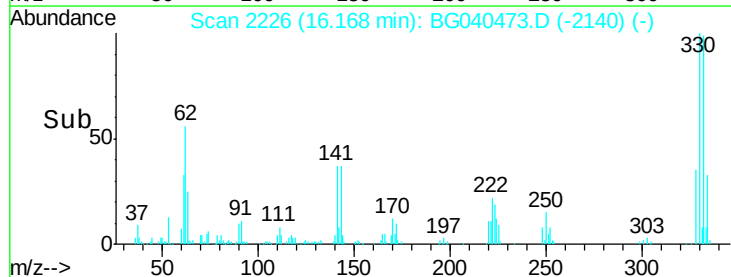
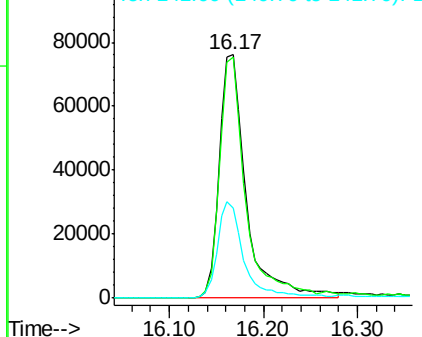


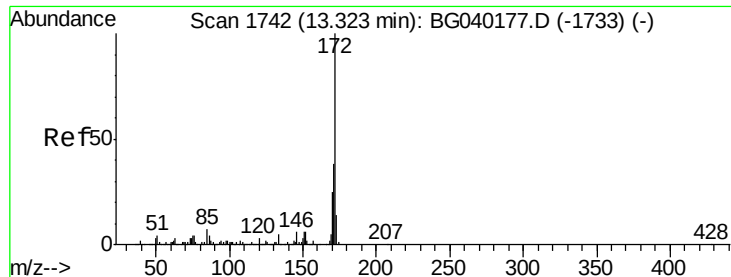
#42
2,4,6-Tribromophenol
Concen: 147.446 ng
RT: 16.17 min Scan# 2226
Delta R.T. -0.02 min
Lab File: BG040473.D
Acq: 12 Apr 2019 22:52

Tgt Ion:330 Resp: 153746
Ion Ratio Lower Upper
330 100
332 94.5 76.6 115.0
141 38.7 32.6 48.8



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

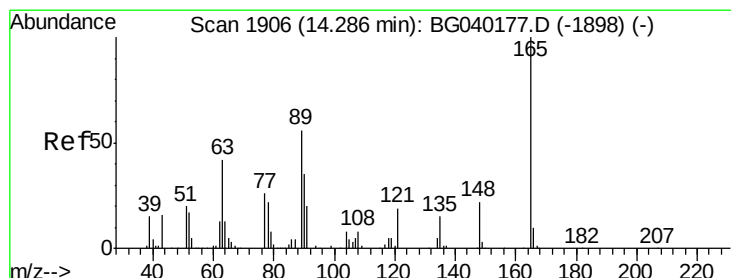
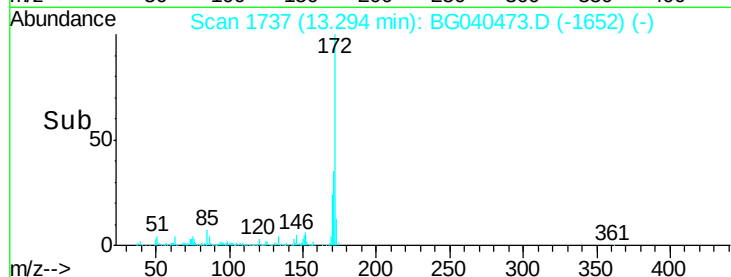
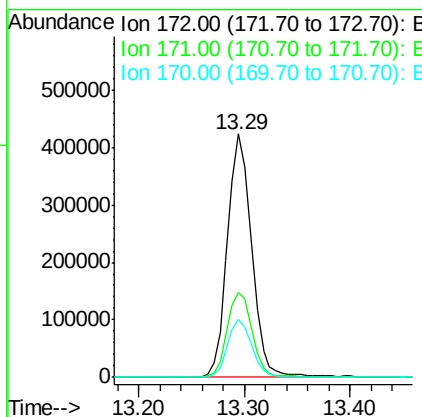
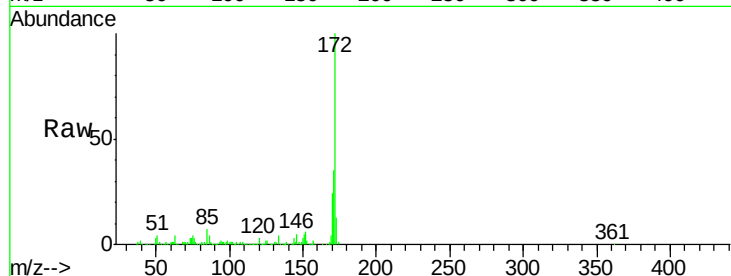




#45
2-Fluorobiphenyl
Concen: 103.604 ng
RT: 13.29 min Scan# 1737
Delta R.T. -0.03 min
Lab File: BG040473.D
Acq: 12 Apr 2019 22:52

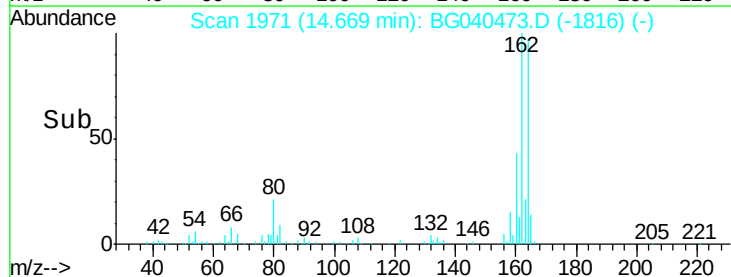
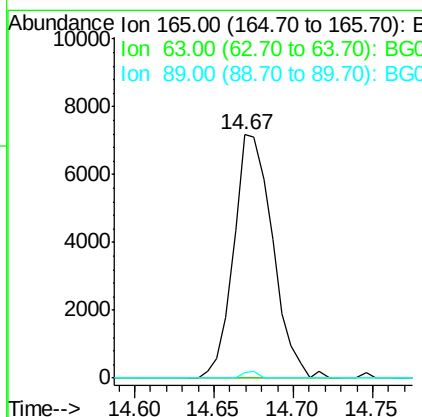
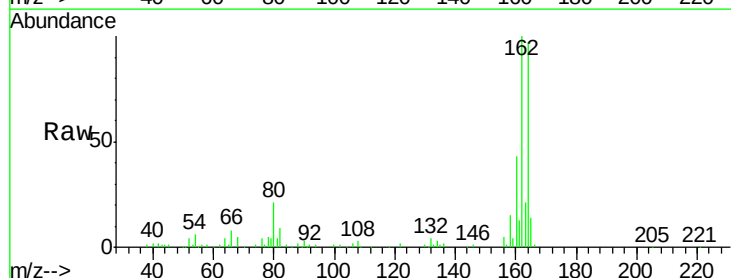
Instrument :
BNA_G
ClientSampleId :

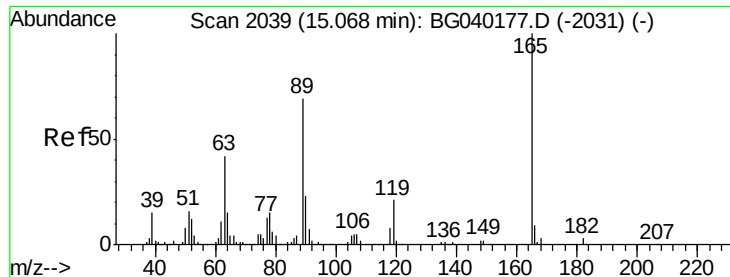
Tot Ion:172 Resp: 674602
Ion Ratio Lower Upper
172 100
171 35.0 30.5 45.7
170 23.8 20.1 30.1



#51
2,6-Dinitrotoluene
Concen: 7.202 ng
RT: 14.67 min Scan# 1971
Delta R.T. 0.38 min
Lab File: BG040473.D
Acq: 12 Apr 2019 22:52

Tgt Ion:165 Resp: 12211
Ion Ratio Lower Upper
165 100
63 0.0 44.1 66.1#
89 2.1 44.9 67.3#

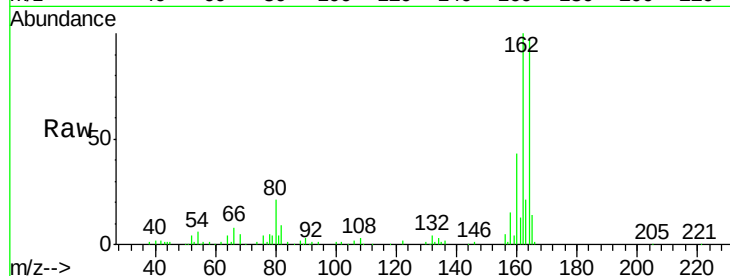




#57
 2,4-Dinitrotoluene
 Concen: 5.183 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.40 min
 Lab File: BG040473.D
 Acq: 12 Apr 2019 22:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165	Resp:	12211
Ion Ratio	Lower	Upper
165	100	
63	0.0	33.8 50.6#
89	2.1	55.4 83.2#
182	0.0	2.2 3.4#

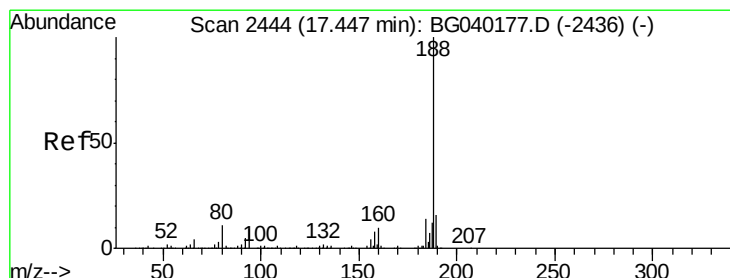
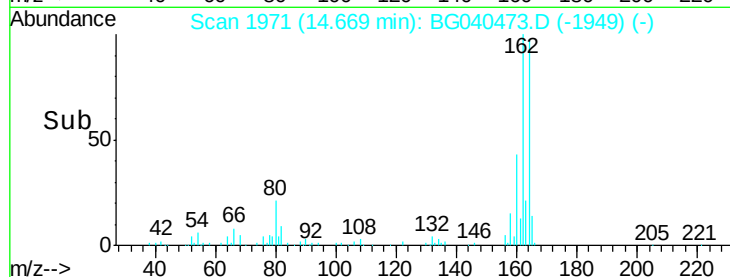
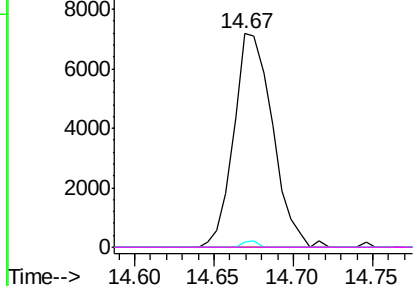


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

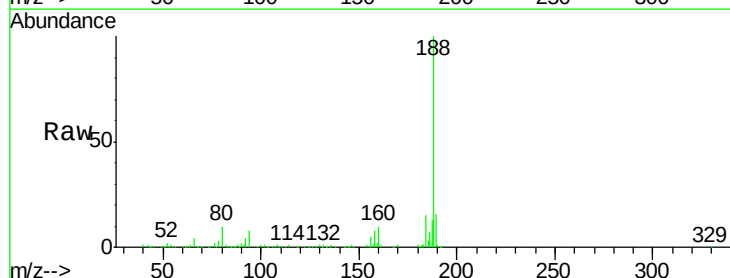
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.03 min
 Lab File: BG040473.D
 Acq: 12 Apr 2019 22:52

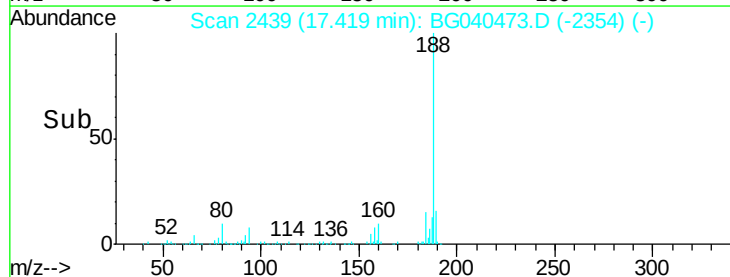
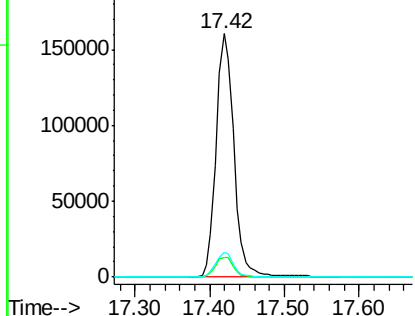
Tgt Ion:188	Resp:	265503
Ion Ratio	Lower	Upper
188	100	
94	7.8	7.0 10.4
80	10.4	8.6 13.0

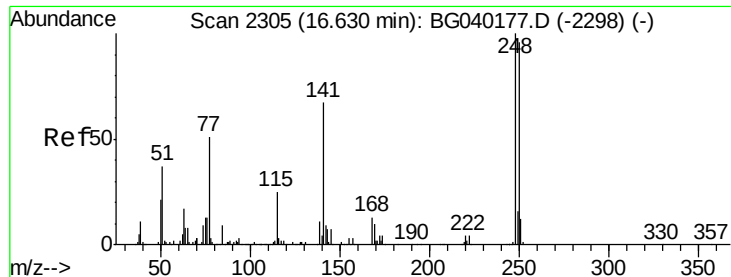


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

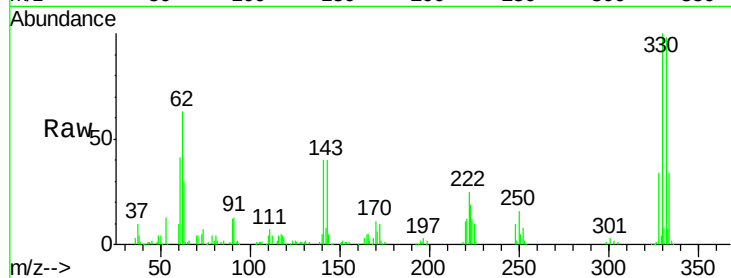




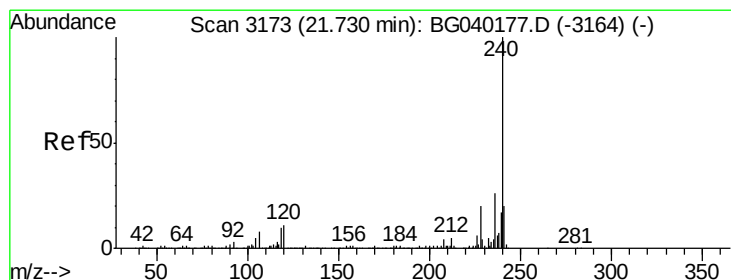
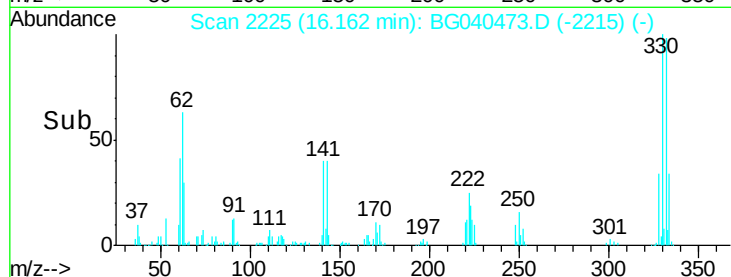
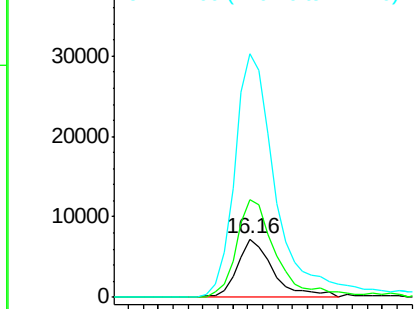
#67
 4-Bromophenyl-phenylether
 Concen: 4.052 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.47 min
 Lab File: BG040473.D
 Acq: 12 Apr 2019 22:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 12107
 Ion Ratio Lower Upper
 248 100
 250 166.8 76.4 114.6#
 141 415.8 53.8 80.8#

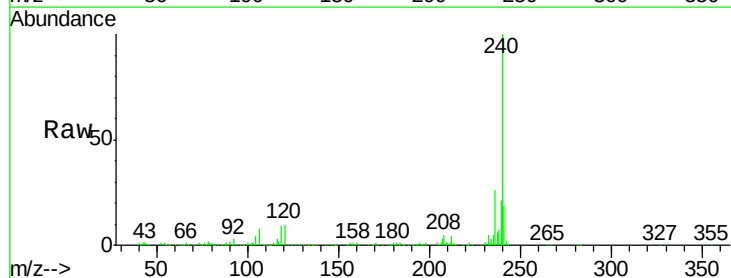


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

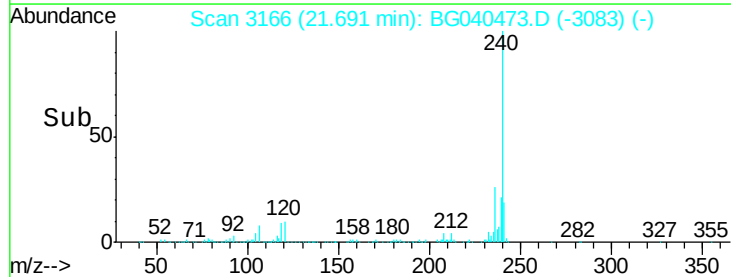
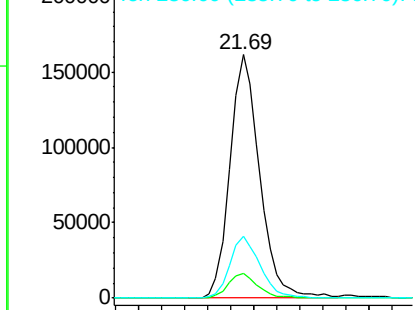


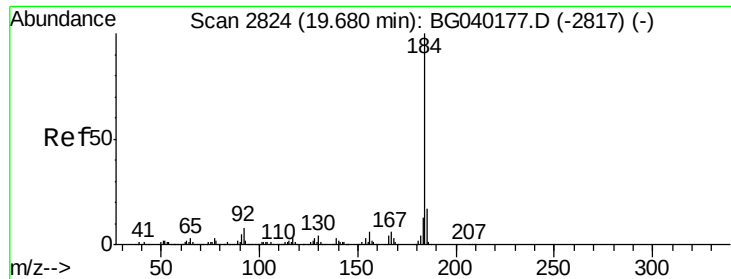
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.04 min
 Lab File: BG040473.D
 Acq: 12 Apr 2019 22:52

Tgt Ion:240 Resp: 287774
 Ion Ratio Lower Upper
 240 100
 120 10.3 8.4 12.6
 236 25.6 20.8 31.2



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: 2.076 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.34 min

Lab File: BG040473.D

Acq: 12 Apr 2019 22:52

Instrument :

BNA_G

ClientSampleId :

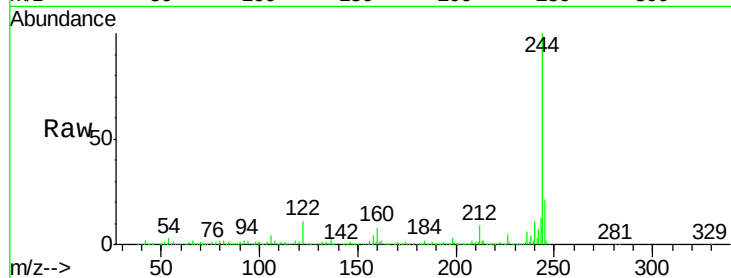
Tot Ion:184 Resp: 21570

Ion Ratio Lower Upper

184 100

185 12.7 13.3 19.9#

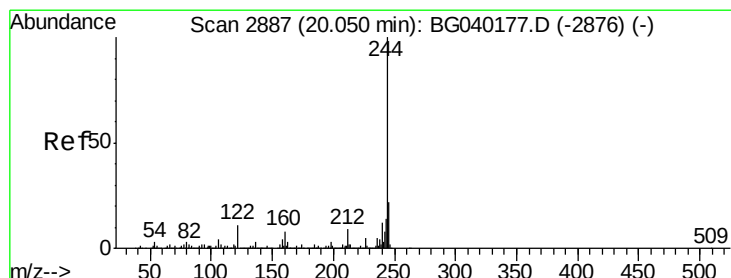
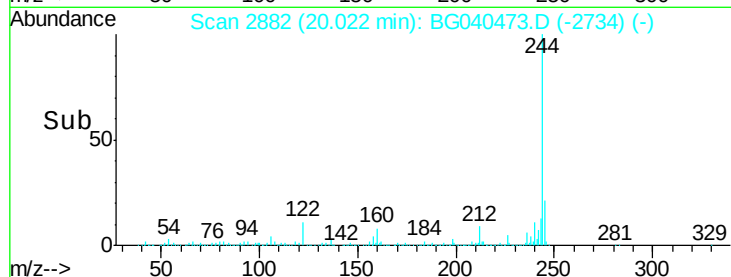
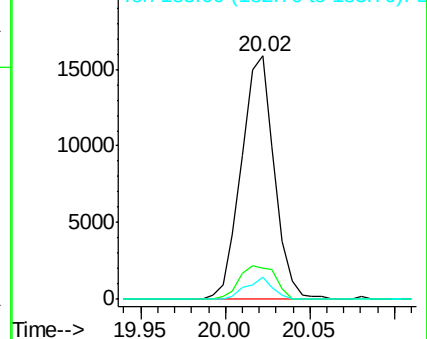
183 9.0 10.3 15.5#



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: 103.924 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.03 min

Lab File: BG040473.D

Acq: 12 Apr 2019 22:52

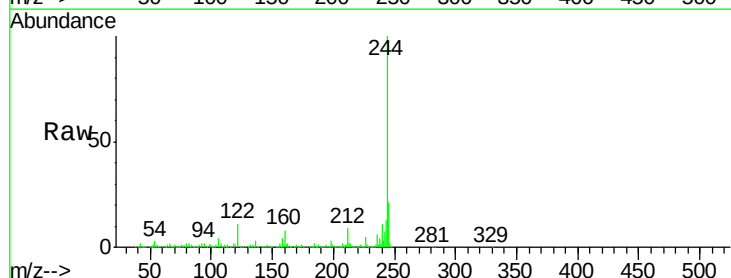
Tgt Ion:244 Resp: 1329384

Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.6

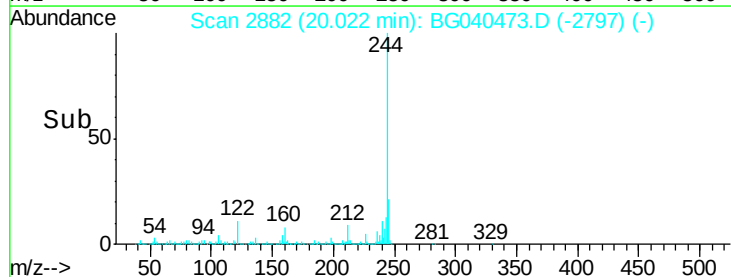
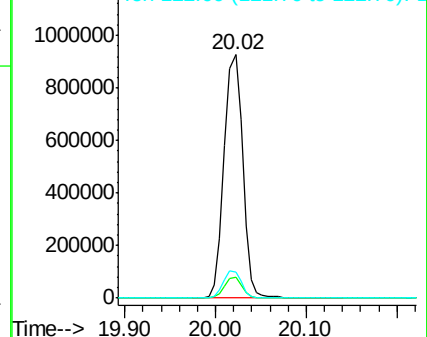
122 10.8 8.5 12.7

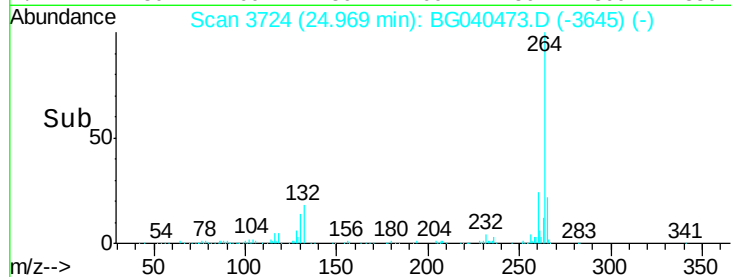
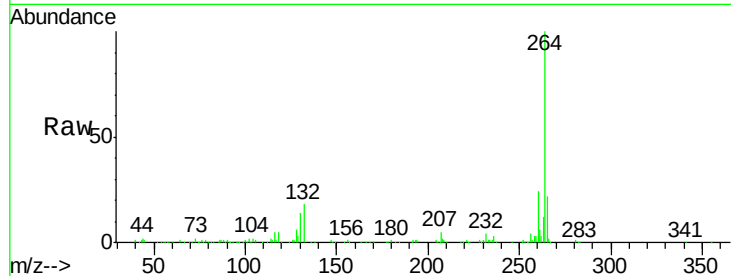
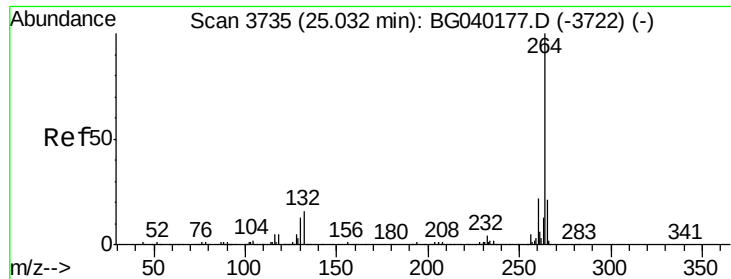


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.97 min Scan# 3724
 Delta R.T. -0.06 min
 Lab File: BG040473.D
 Acq: 12 Apr 2019 22:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.9	26.9
265	22.1	16.8	25.2

