

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG050819\
 Data File : BG040792.D
 Acq On : 8 May 2019 17:45
 Operator : HP/JU
 Sample : K2635-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 09 04:57:22 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

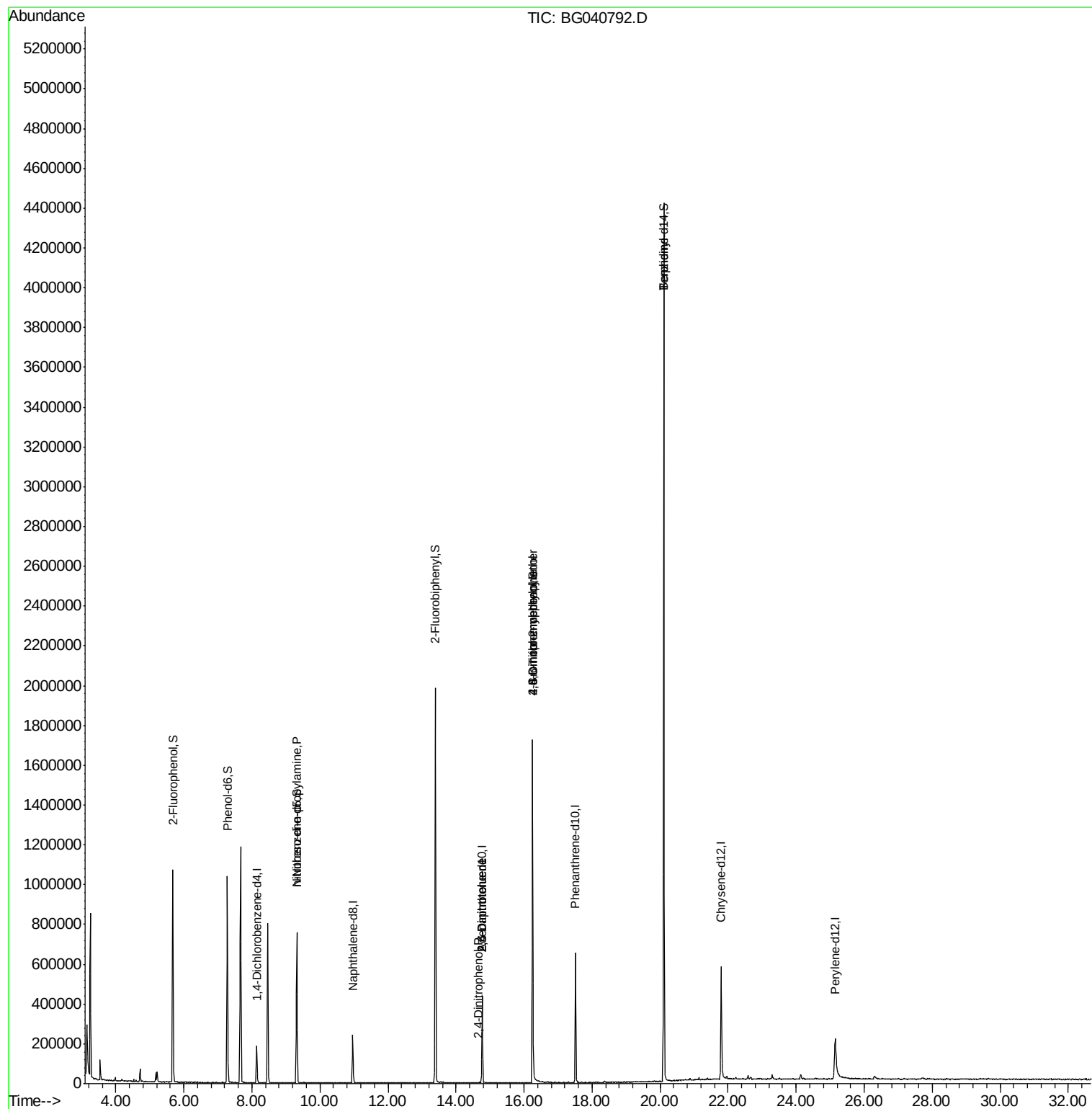
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	47594	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	194424	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	143244	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	412640	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	405256	20.00	ng	-0.03
87) Perylene-d12	25.15	264	319368	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	396318	146.79	ng	0.00
7) Phenol-d6	7.28	99	530523	127.62	ng	-0.02
23) Nitrobenzene-d5	9.32	82	454256	107.96	ng	-0.02
42) 2,4,6-Tribromophenol	16.25	330	328251	166.72	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	986844	99.49	ng	-0.02
79) Terphenyl-d14	20.11	244	1993932	109.00	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	1385	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.32	70	66179	17.685 ng	#	15
51) 2,6-Dinitrotoluene	14.76	165	17778	7.600 ng	#	74
54) 2,4-Dinitrophenol	14.65	184	65	7.060 ng	#	13
57) 2,4-Dinitrotoluene	14.76	165	17778	5.593 ng	#	21
65) 4,6-Dinitro-2-methylphenol	16.25	198	1205	7.606 ng	#	15
67) 4-Bromophenyl-phenylether	16.25	248	24047	4.678 ng	#	22
77) Benzydine	20.11	184	36895	3.325 ng	#	1
77) Benzydine	20.11	184	36895	3.325 ng	#	93

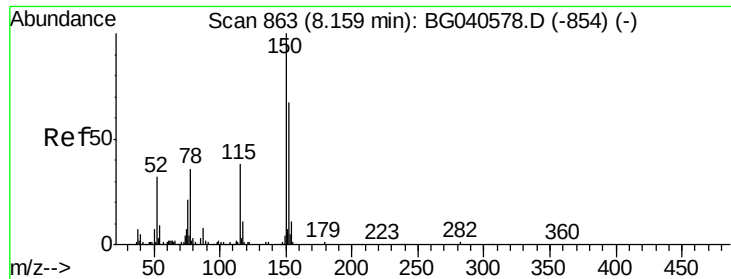
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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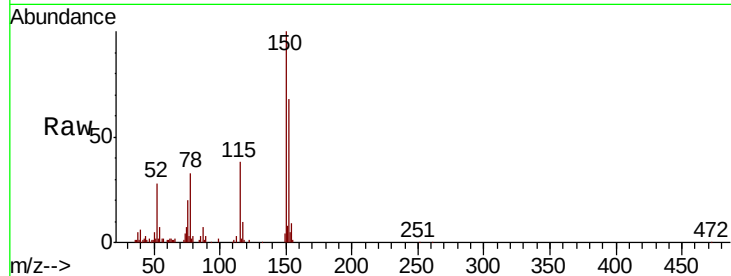


#1

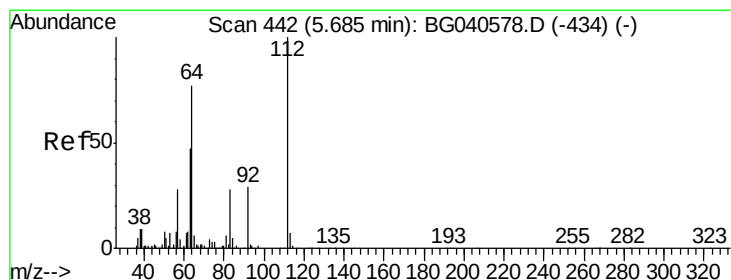
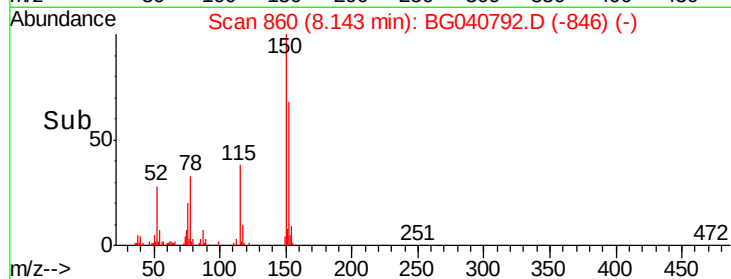
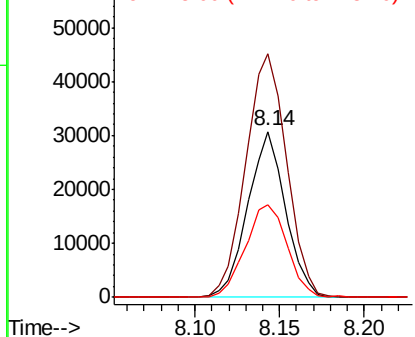
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.14 min Scan# 860
 Delta R.T. -0.02 min
 Lab File: BG040792.D
 Acq: 8 May 2019 17:45

Instrument :
 BNA_G
 ClientSampleId :

Tgt Ion:152 Resp: 47594
 Ion Ratio Lower Upper
 152 100
 150 146.5 120.2 180.2
 115 55.8 46.2 69.2



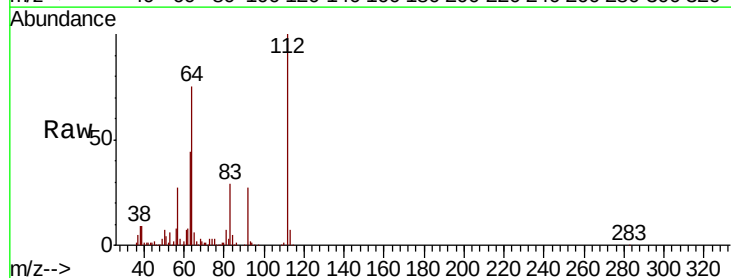
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



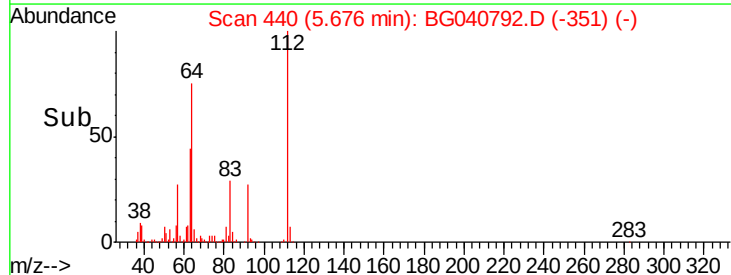
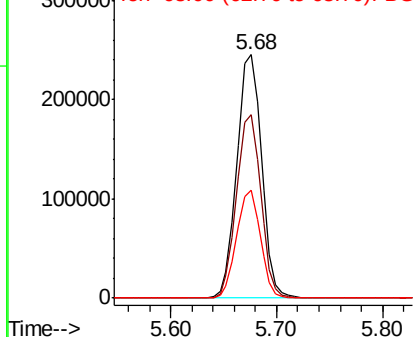
#5

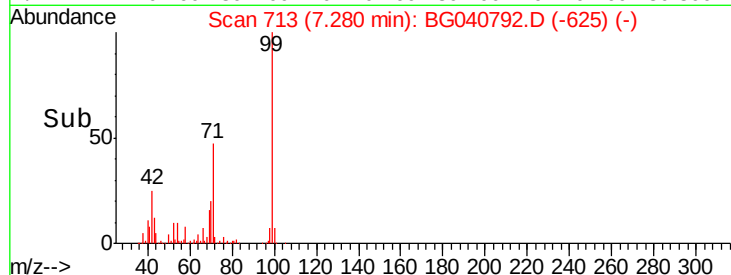
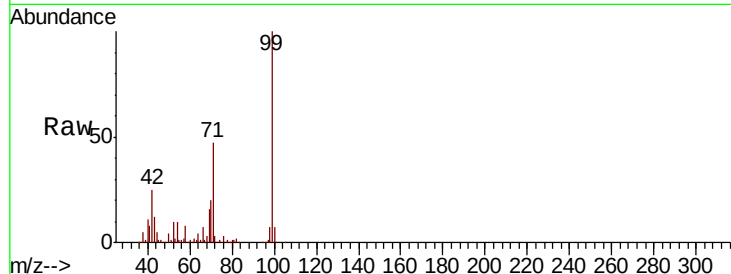
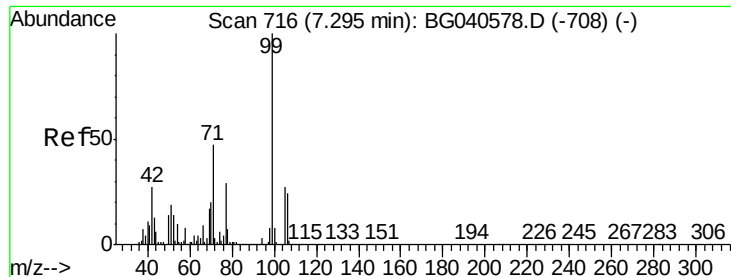
2-Fluorophenol
 Concen: 146.786 ng
 RT: 5.68 min Scan# 440
 Delta R.T. -0.01 min
 Lab File: BG040792.D
 Acq: 8 May 2019 17:45

Tgt Ion:112 Resp: 396318
 Ion Ratio Lower Upper
 112 100
 64 75.4 61.4 92.0
 63 44.3 37.8 56.6



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





#7

Phenol-d6

Concen: 127.616 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG040792.D

Acq: 8 May 2019 17:45

Instrument :

BNA_G

ClientSampleId :

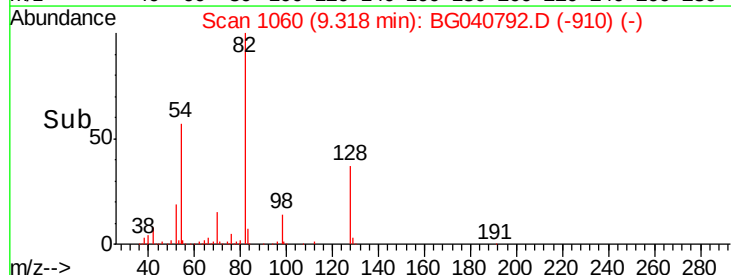
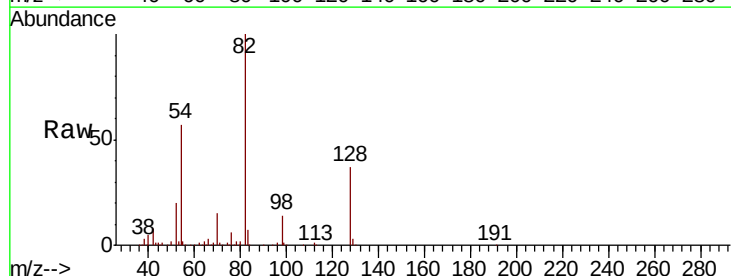
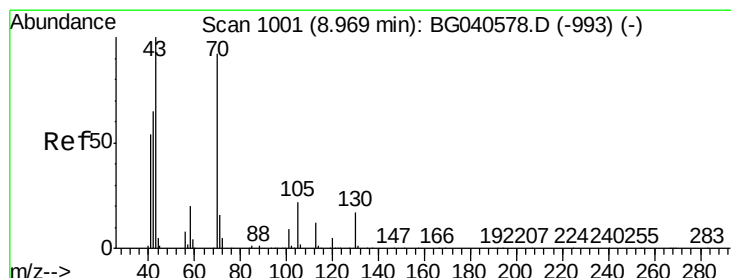
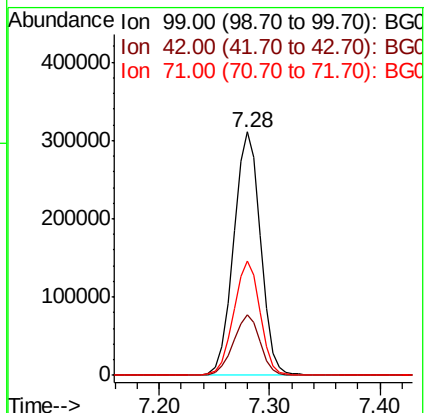
Tgt Ion: 99 Resp: 530523

Ion Ratio Lower Upper

99 100

42 24.9 21.8 32.8

71 47.1 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 17.685 ng

RT: 9.32 min Scan# 1060

Delta R.T. 0.35 min

Lab File: BG040792.D

Acq: 8 May 2019 17:45

Tgt Ion: 70 Resp: 66179

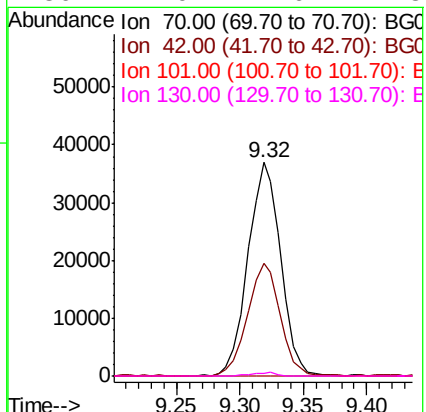
Ion Ratio Lower Upper

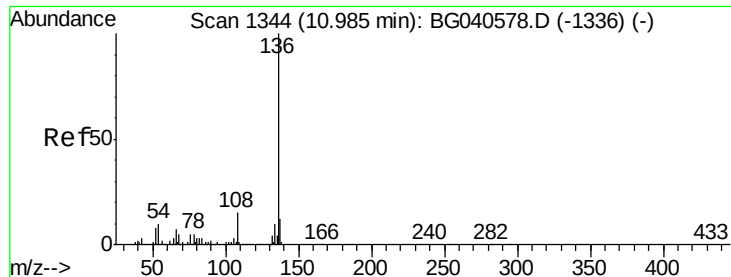
70 100

42 53.0 57.1 85.7#

101 0.0 7.8 11.8#

130 1.0 14.6 21.8#

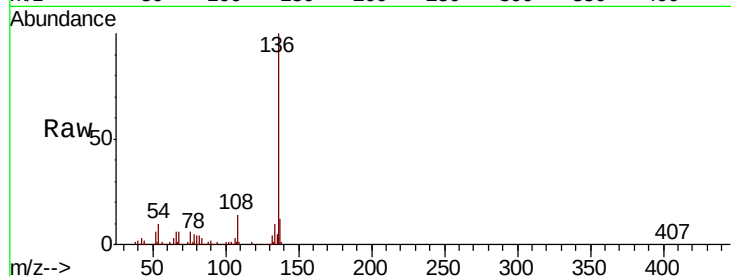




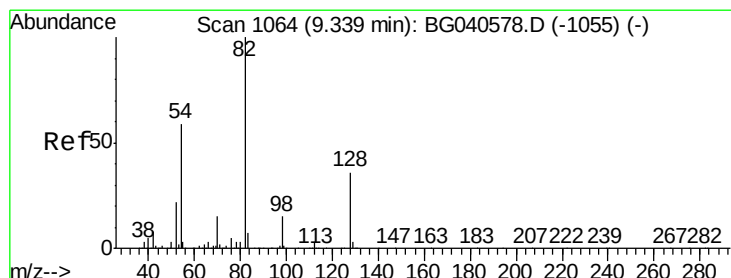
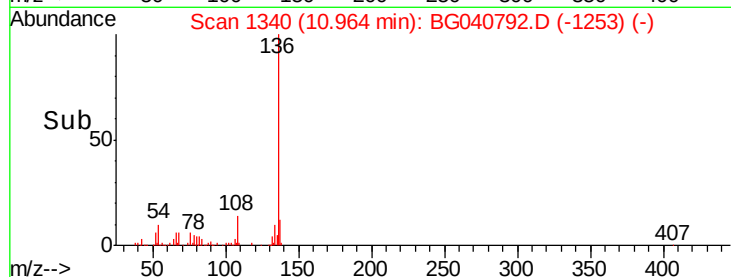
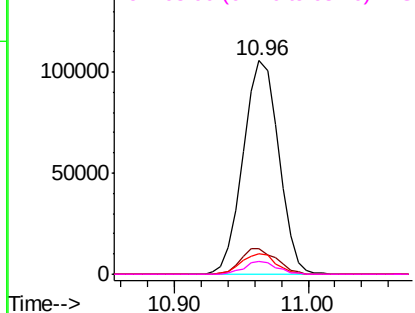
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BG040792.D
Acq: 8 May 2019 17:45

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:	136	Resp:	194424
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.7	14.5
54	9.7	8.6	12.8
68	5.8	4.8	7.2

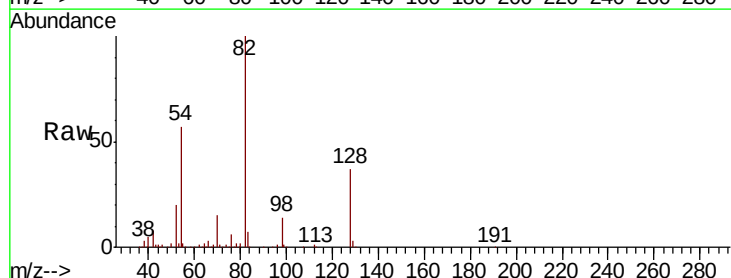


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

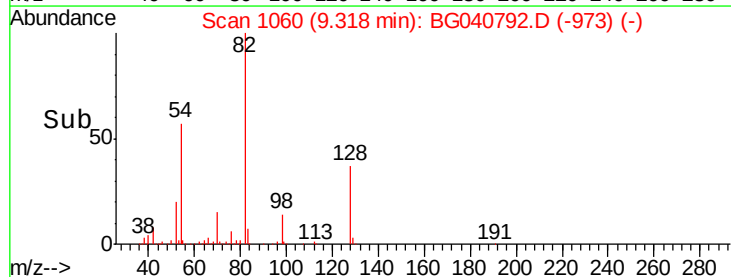
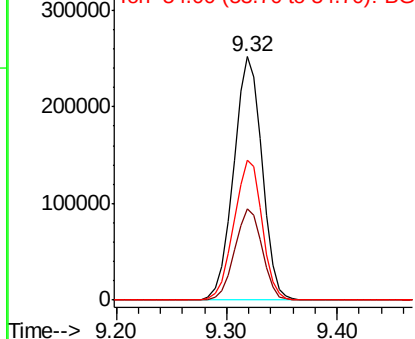


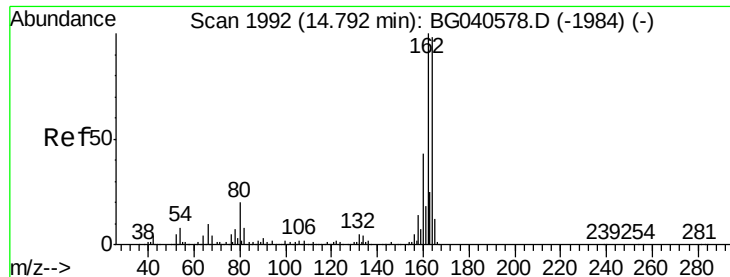
#23
Nitrobenzene-d5
Concen: 107.957 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BG040792.D
Acq: 8 May 2019 17:45

Tgt Ion:	82	Resp:	454256
Ion	Ratio	Lower	Upper
82	100		
128	37.5	28.9	43.3
54	57.4	47.2	70.8



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040792.D

Acq: 8 May 2019 17:45

Instrument :

BNA_G

ClientSampled :

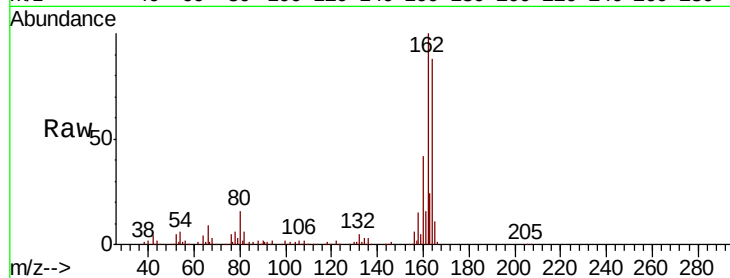
Tgt Ion:164 Resp: 143244

Ion Ratio Lower Upper

164 100

162 113.7 81.9 122.9

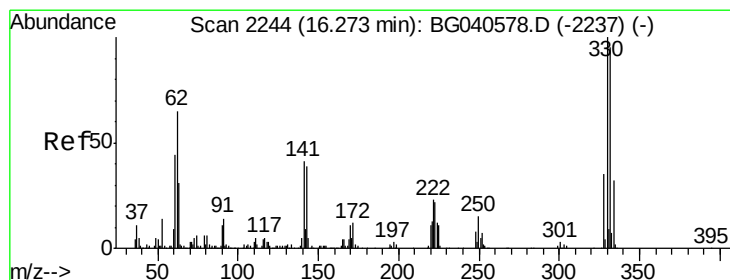
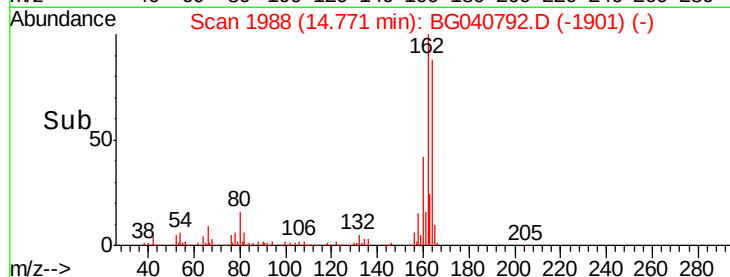
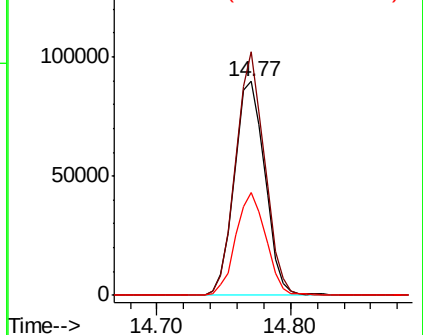
160 48.1 35.4 53.2



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: 166.716 ng

RT: 16.25 min Scan# 2240

Delta R.T. -0.02 min

Lab File: BG040792.D

Acq: 8 May 2019 17:45

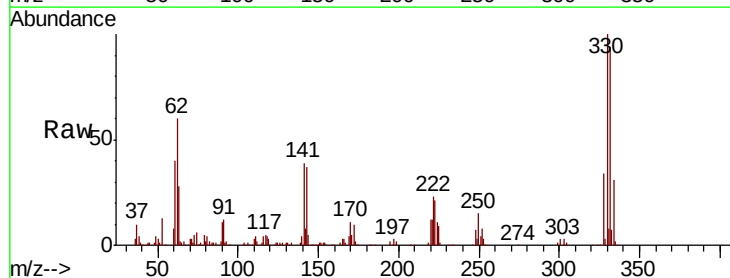
Tgt Ion:330 Resp: 328251

Ion Ratio Lower Upper

330 100

332 94.5 75.9 113.9

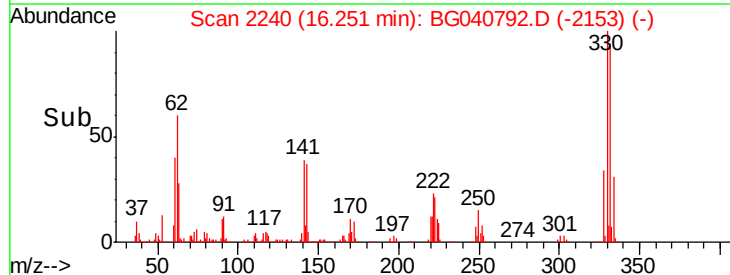
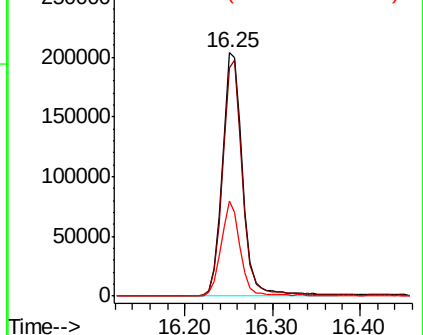
141 36.3 32.4 48.6

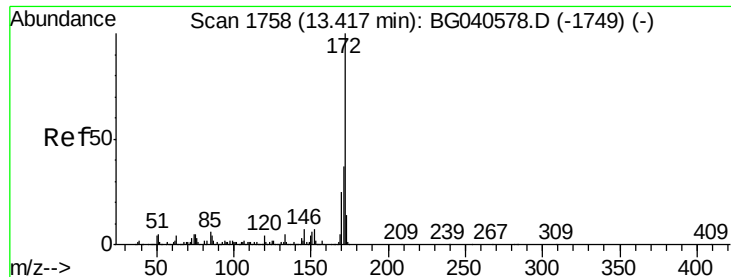


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

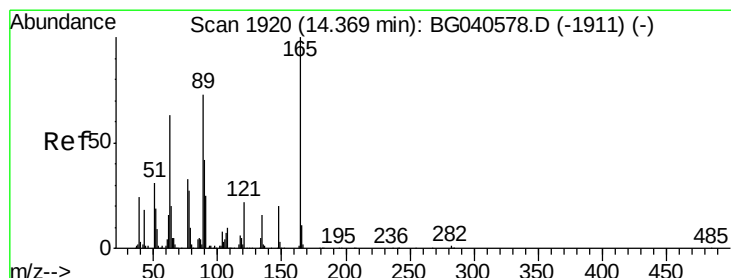
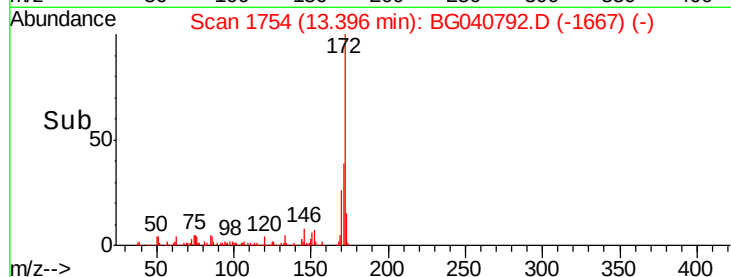
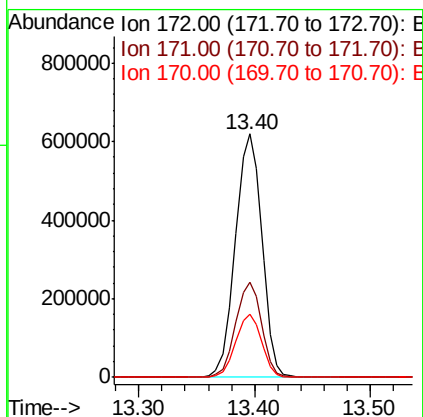
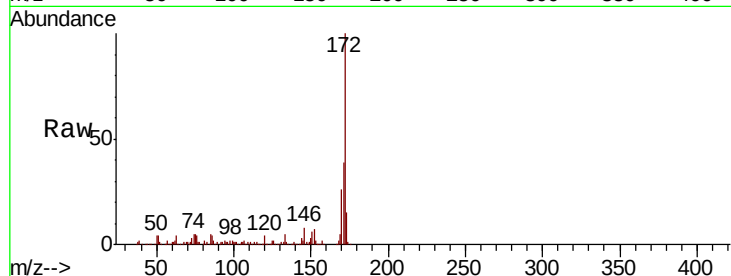




#45
 2-Fluorobiphenyl
 Concen: 99.495 ng
 RT: 13.40 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040792.D
 Acq: 8 May 2019 17:45

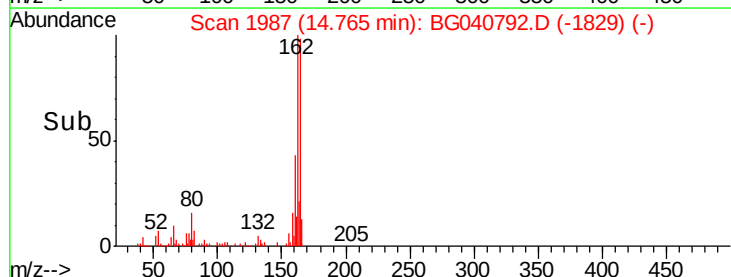
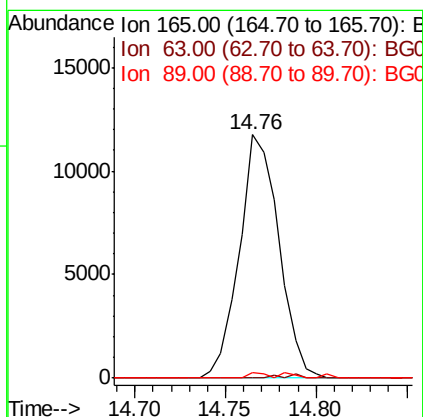
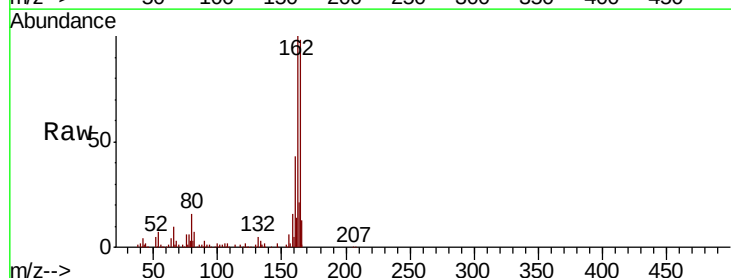
Instrument :
 BNA_G
 ClientSampleId :

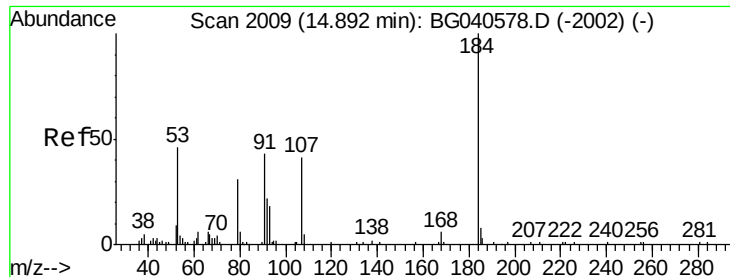
Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.9	29.4	44.2
170	25.7	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 7.600 ng
 RT: 14.76 min Scan# 1987
 Delta R.T. 0.40 min
 Lab File: BG040792.D
 Acq: 8 May 2019 17:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	61.0	91.4#
89	2.2	58.6	87.8#

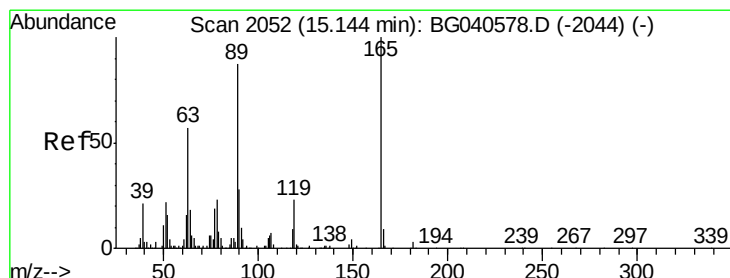
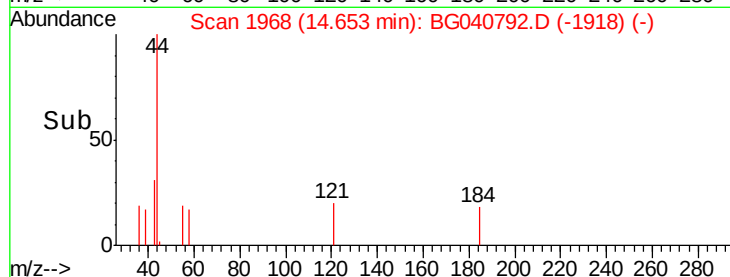
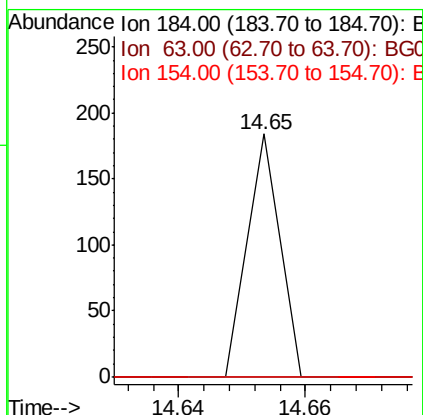
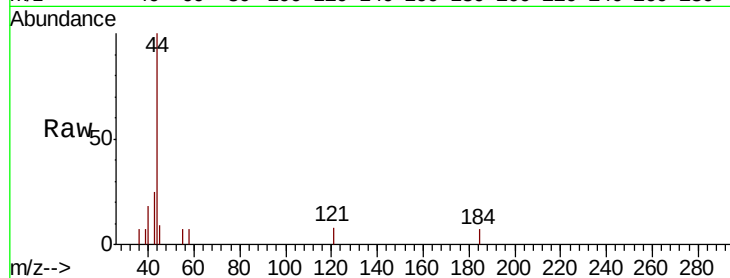




#54
2,4-Dinitrophenol
Concen: 7.060 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.24 min
Lab File: BG040792.D
Acq: 8 May 2019 17:45

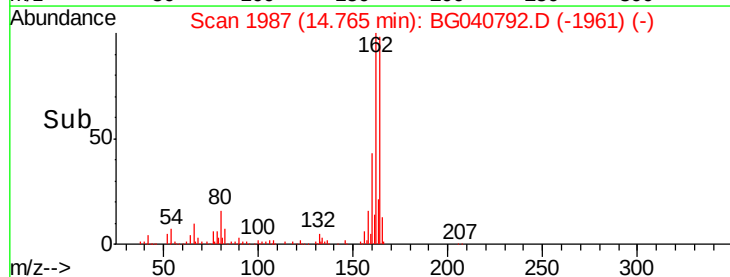
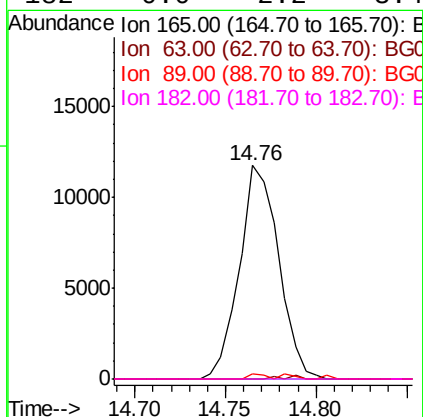
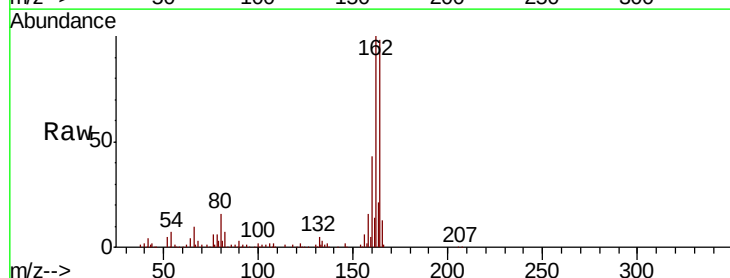
Instrument :
BNA_G
ClientSampleId :

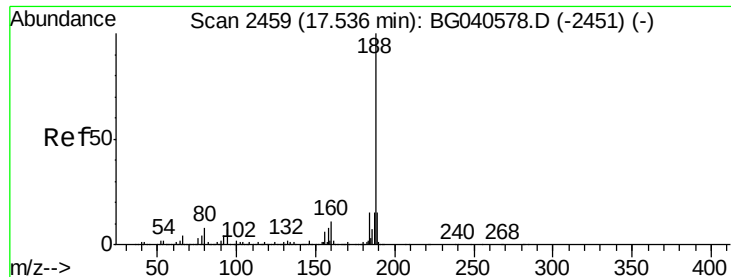
Tgt Ion:184 Resp: 65
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 5.593 ng
RT: 14.76 min Scan# 1987
Delta R.T. -0.38 min
Lab File: BG040792.D
Acq: 8 May 2019 17:45

Tgt Ion:165 Resp: 17778
Ion Ratio Lower Upper
165 100
63 0.0 45.8 68.8#
89 2.2 69.4 104.2#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.51 min Scan# 2455

Delta R.T. -0.02 min

Lab File: BG040792.D

Acq: 8 May 2019 17:45

Instrument :

BNA_G

ClientSampleId :

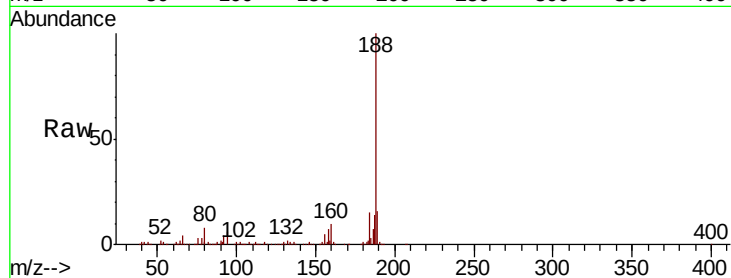
Tgt Ion:188 Resp: 412640

Ion Ratio Lower Upper

188 100

94 6.0 5.6 8.4

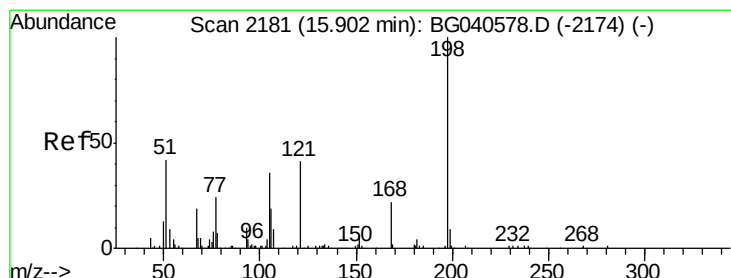
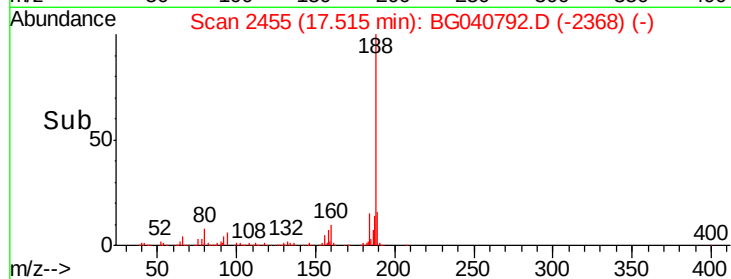
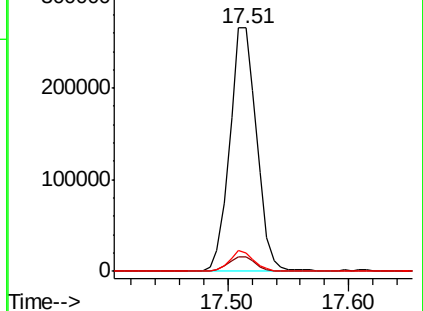
80 7.6 6.4 9.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 7.606 ng

RT: 16.25 min Scan# 2239

Delta R.T. 0.34 min

Lab File: BG040792.D

Acq: 8 May 2019 17:45

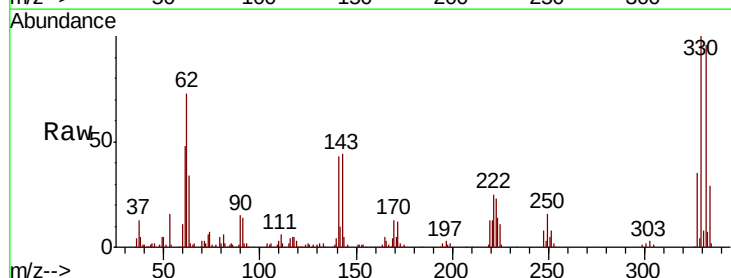
Tgt Ion:198 Resp: 1205

Ion Ratio Lower Upper

198 100

51 103.5 35.9 75.9#

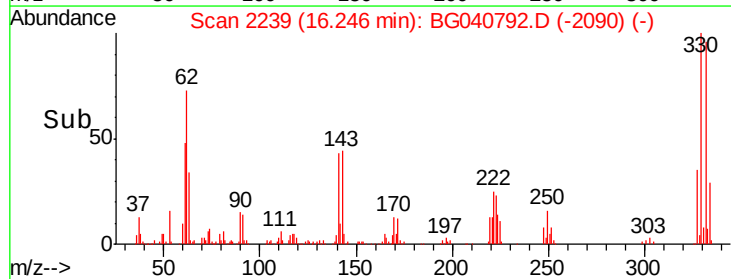
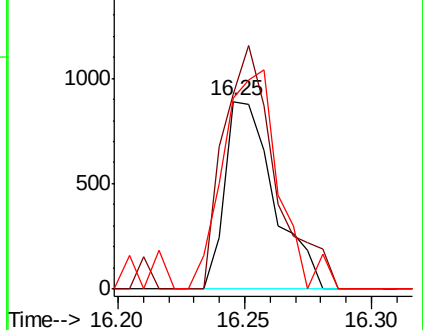
105 101.6 21.2 61.2#

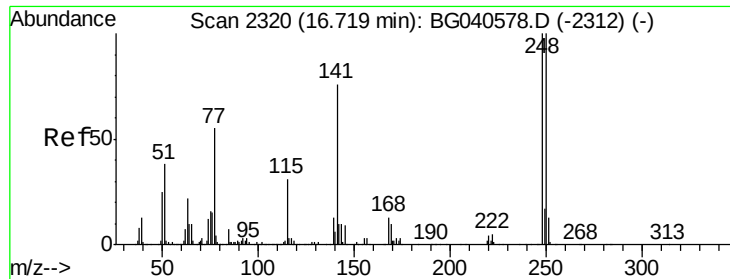


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

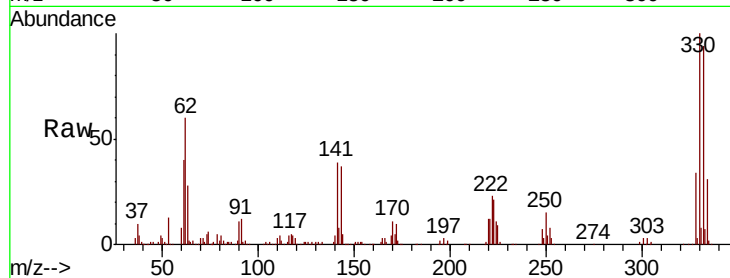




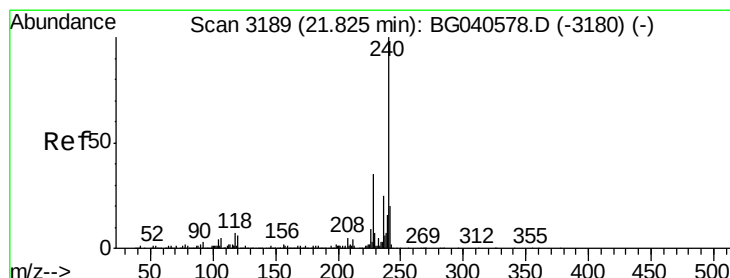
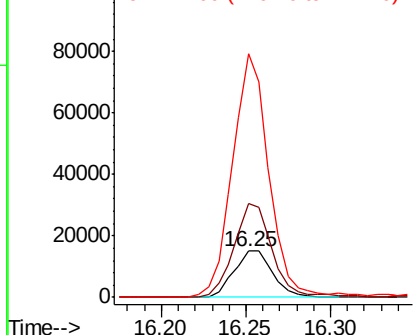
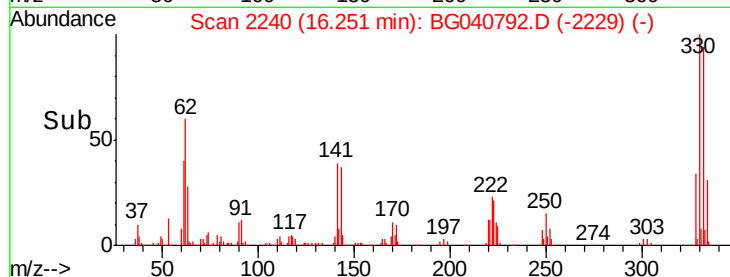
#67
 4-Bromophenyl-phenylether
 Concen: 4.678 ng
 RT: 16.25 min Scan# 2240
 Delta R.T. -0.47 min
 Lab File: BG040792.D
 Acq: 8 May 2019 17:45

Instrument :
 BNA_G
 ClientSampled :

Tgt Ion:248 Resp: 24047
 Ion Ratio Lower Upper
 248 100
 250 202.9 79.8 119.6#
 141 525.9 60.8 91.2#

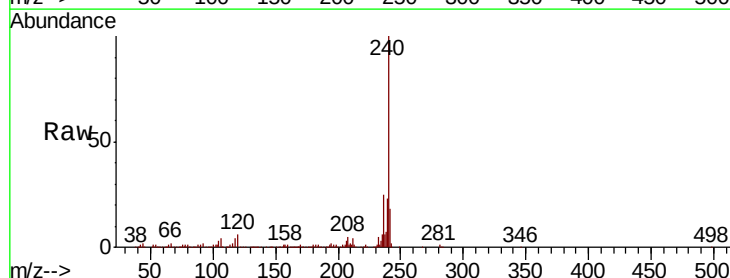


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

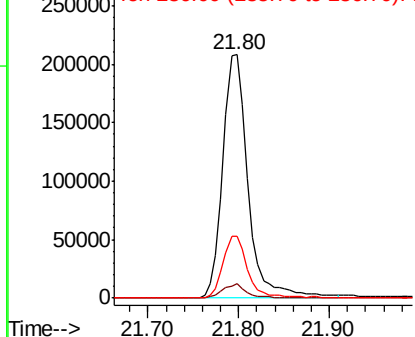
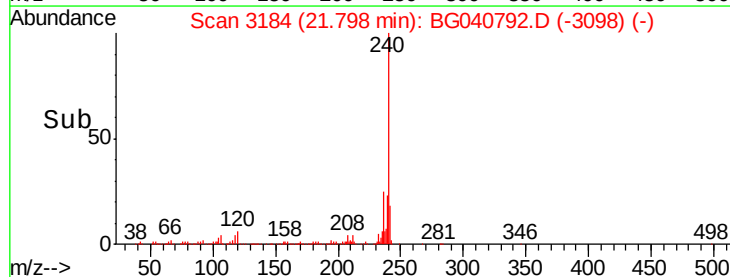


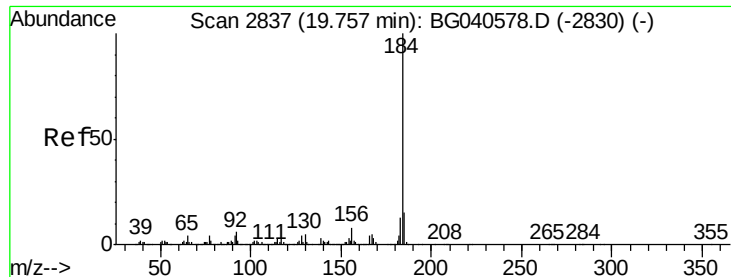
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3184
 Delta R.T. -0.03 min
 Lab File: BG040792.D
 Acq: 8 May 2019 17:45

Tgt Ion:240 Resp: 405256
 Ion Ratio Lower Upper
 240 100
 120 5.7 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: 3.325 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040792.D

Acq: 8 May 2019 17:45

Instrument :

BNA_G

ClientSampleId :

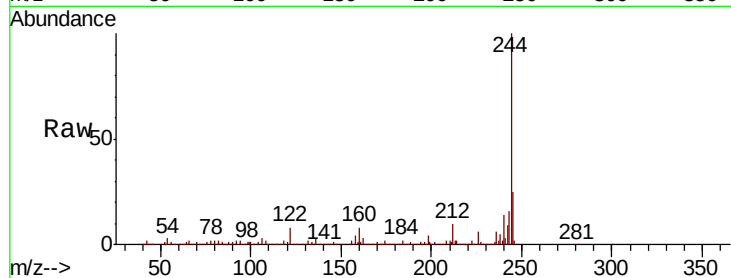
Tgt Ion:184 Resp: 36895

Ion Ratio Lower Upper

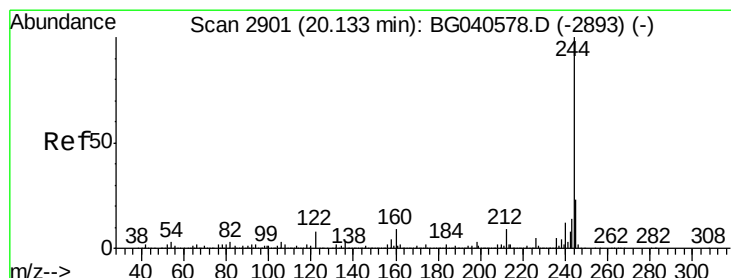
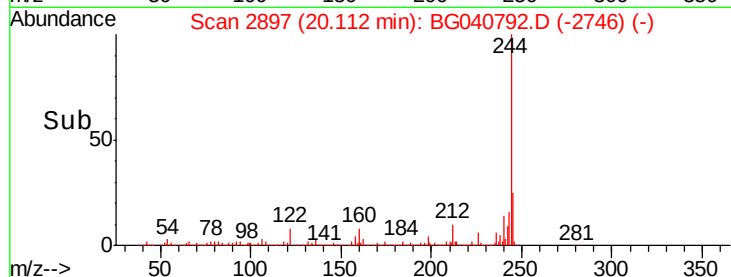
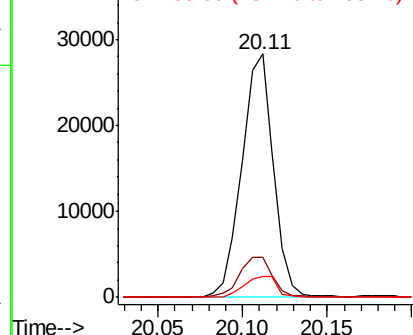
184 100

185 16.6 11.8 17.8

183 8.6 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: 109.003 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040792.D

Acq: 8 May 2019 17:45

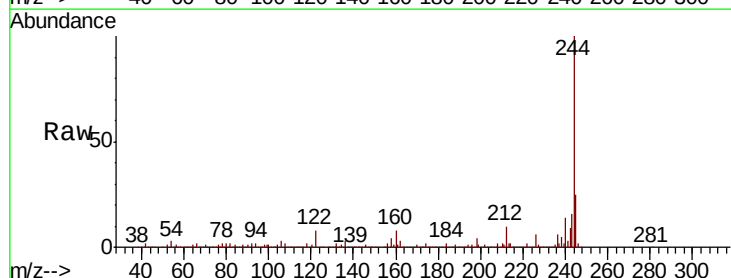
Tgt Ion:244 Resp: 1993932

Ion Ratio Lower Upper

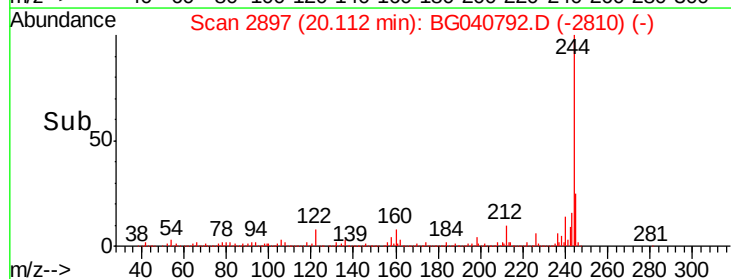
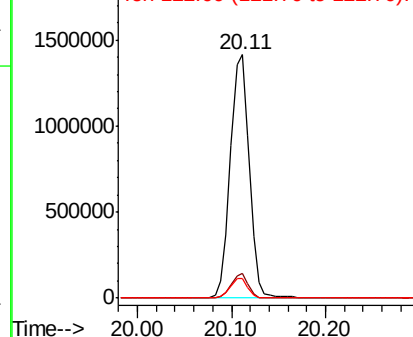
244 100

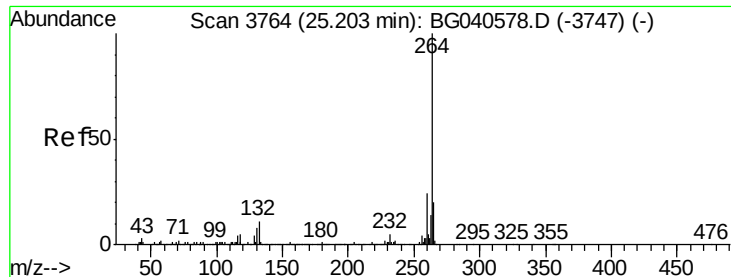
212 9.9 7.2 10.8

122 8.1 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
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.15 min Scan# 3755
 Delta R.T. -0.05 min
 Lab File: BG040792.D
 Acq: 8 May 2019 17:45

Instrument :
 BNA_G
 ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.0	19.2	28.8
265	20.1	16.6	25.0

