

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042519\
 Data File : BG040611.D
 Acq On : 25 Apr 2019 15:29
 Operator : JU/SJ
 Sample : K2542-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 22:54:48 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

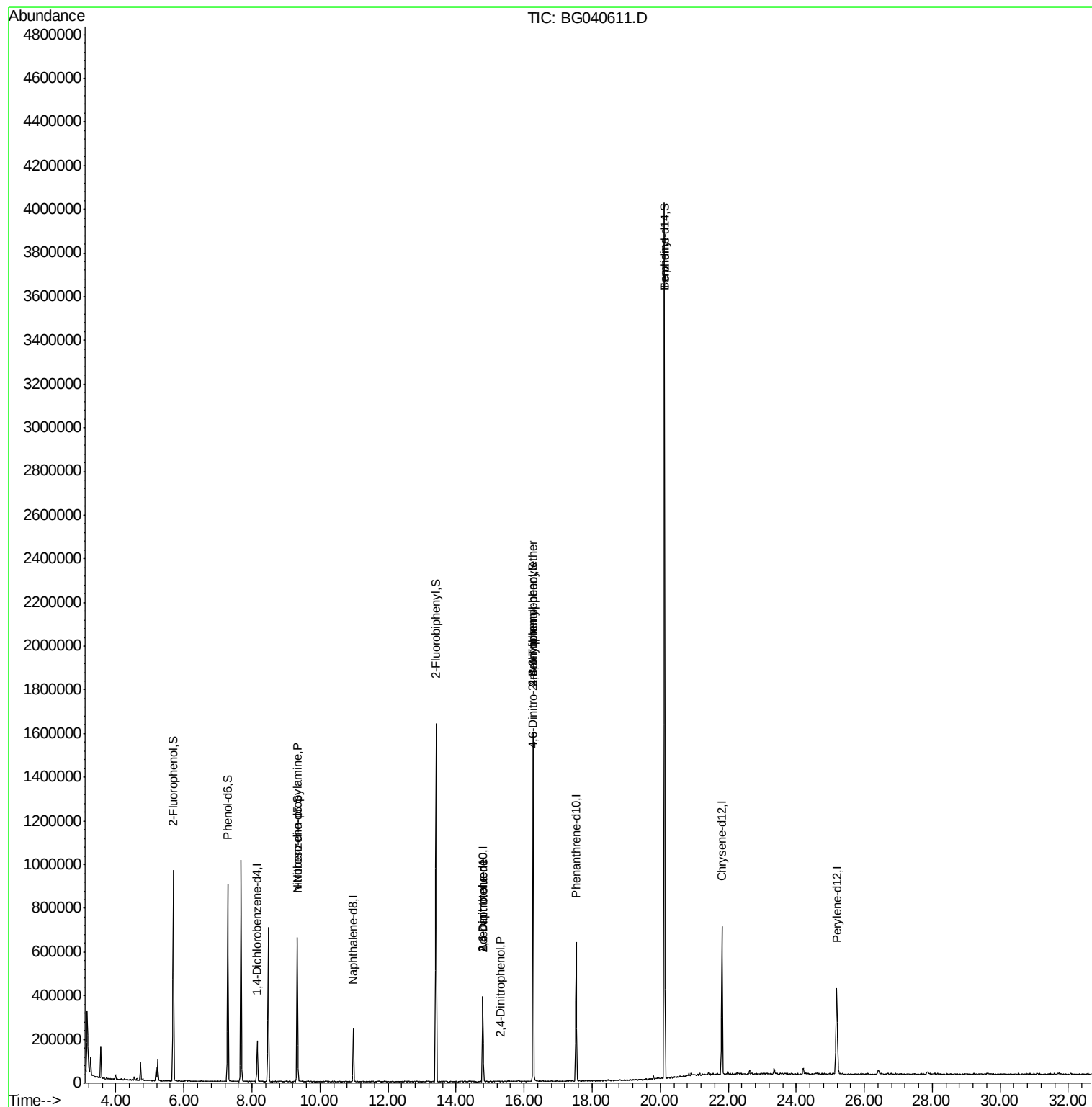
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	43397	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	180017	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	131919	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	358509	20.00	ng	0.00
76) Chrysene-d12	21.82	240	403689	20.00	ng	0.00
87) Perylene-d12	25.19	264	426522	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	320813	130.31	ng	0.00
7) Phenol-d6	7.29	99	428236	112.97	ng	0.00
23) Nitrobenzene-d5	9.33	82	378430	97.13	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	253058	139.56	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	782620	85.68	ng	0.00
79) Terphenyl-d14	20.13	244	1737423	95.35	ng	0.00
Target Compounds						
9) Benzaldehyde	7.28	77	1505	Below Cal	Qvalue	# 6
19) n-Nitroso-di-n-propylamine	9.33	70	57825	16.947 ng	#	80
51) 2,6-Dinitrotoluene	14.78	165	17243	8.005 ng	#	15
54) 2,4-Dinitrophenol	15.30	184	63	7.062 ng	#	21
57) 2,4-Dinitrotoluene	14.78	165	17243	5.891 ng	#	17
65) 4,6-Dinitro-2-methylphenol	16.26	198	712	7.445 ng		84
67) 4-Bromophenyl-phenylether	16.27	248	20082	4.496 ng	#	1
77) Benzydine	20.13	184	36311	3.285 ng	#	93

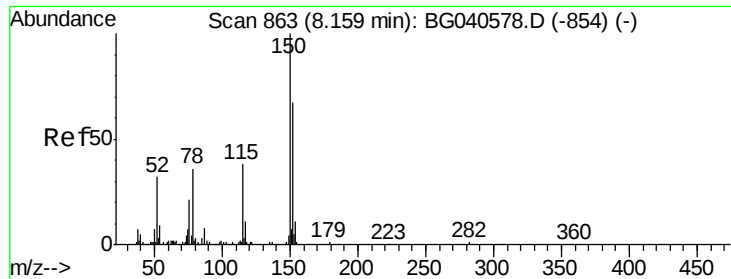
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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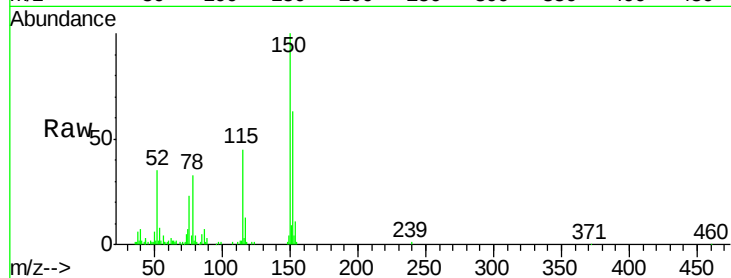


#1

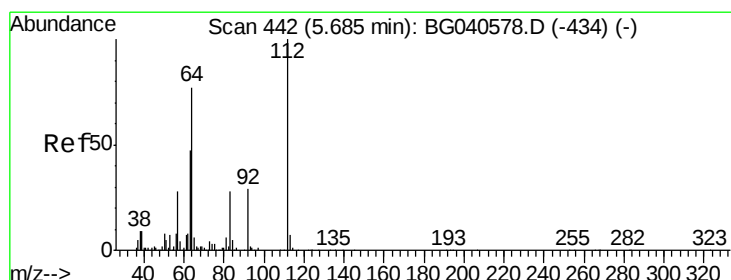
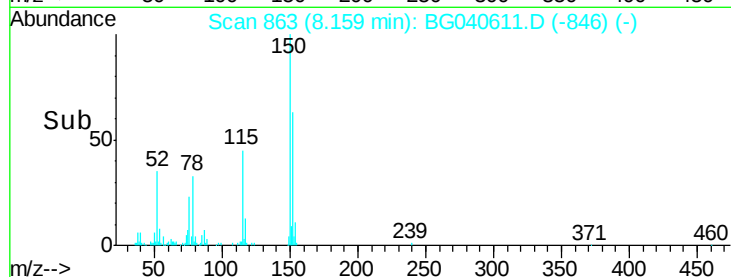
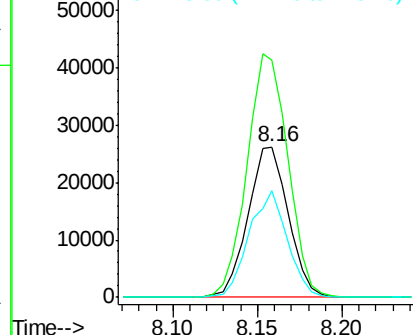
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: BG040611.D
Acq: 25 Apr 2019 15:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 43397
Ion Ratio Lower Upper
152 100
150 157.5 120.2 180.2
115 71.3 46.2 69.2#



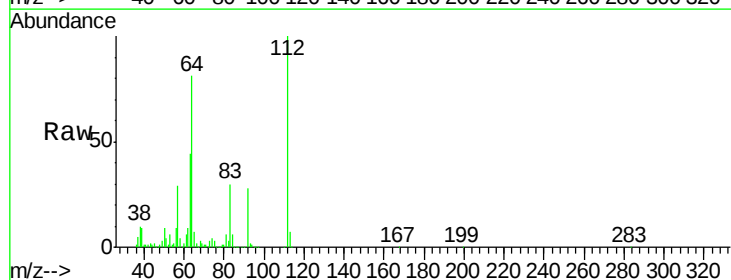
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



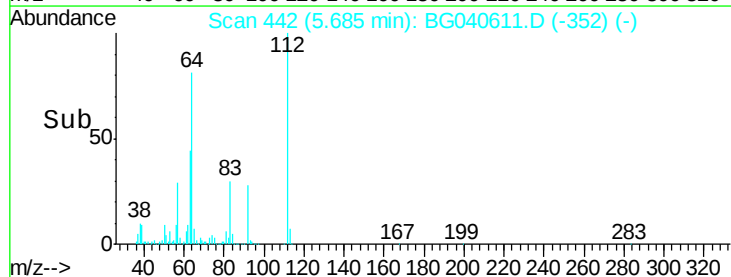
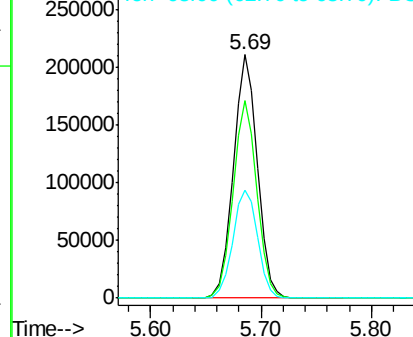
#5

2-Fluorophenol
Concen: 130.313 ng
RT: 5.69 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG040611.D
Acq: 25 Apr 2019 15:29

Tgt Ion:112 Resp: 320813
Ion Ratio Lower Upper
112 100
64 81.4 61.4 92.0
63 44.5 37.8 56.6



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: 112.974 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG040611.D

Acq: 25 Apr 2019 15:29

Instrument :

BNA_G

ClientSampleId :

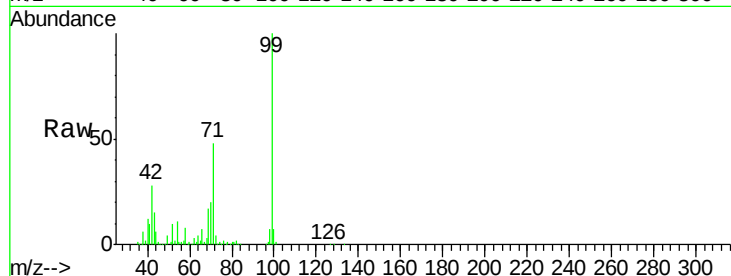
Tot Ion: 99 Resp: 428236

Ion Ratio Lower Upper

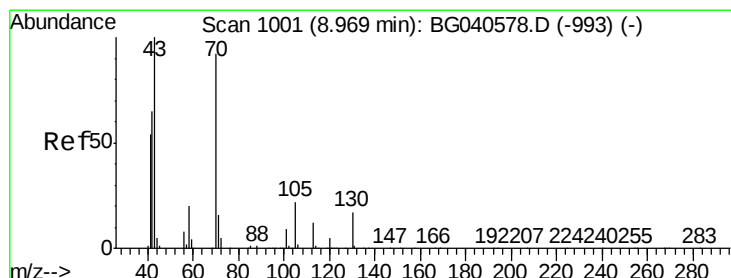
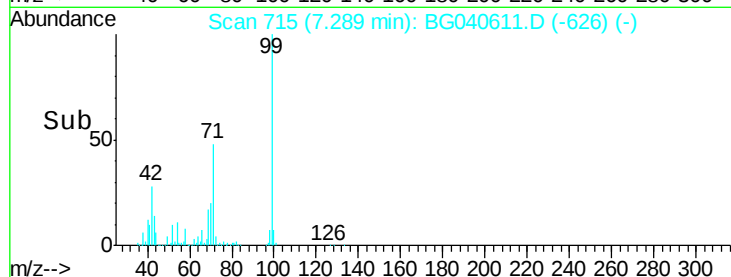
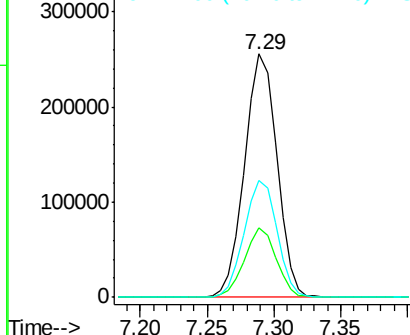
99 100

42 28.5 21.8 32.8

71 48.0 38.6 57.8



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: 16.947 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.36 min

Lab File: BG040611.D

Acq: 25 Apr 2019 15:29

Tgt Ion: 70 Resp: 57825

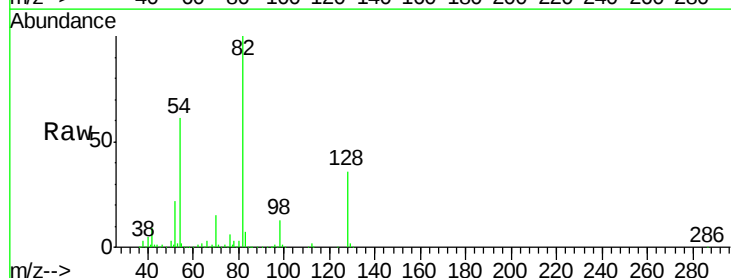
Ion Ratio Lower Upper

70 100

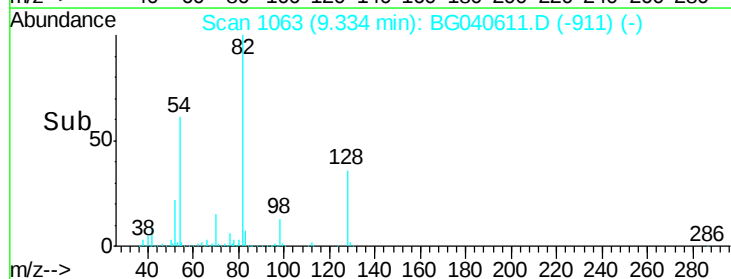
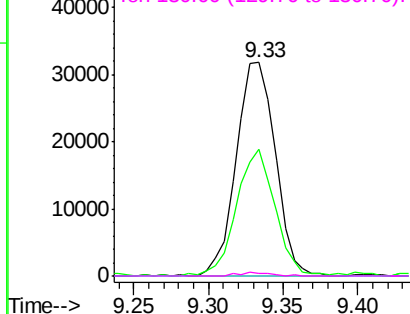
42 59.6 57.1 85.7

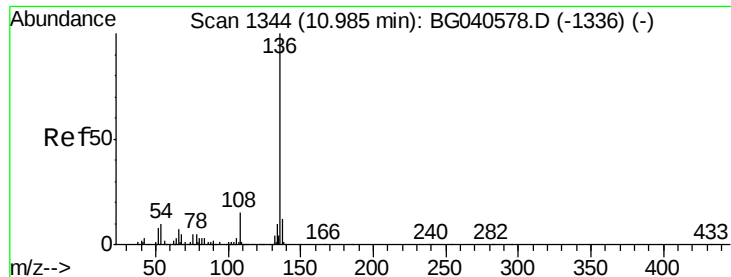
101 0.0 7.8 11.8#

130 1.4 14.6 21.8#



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

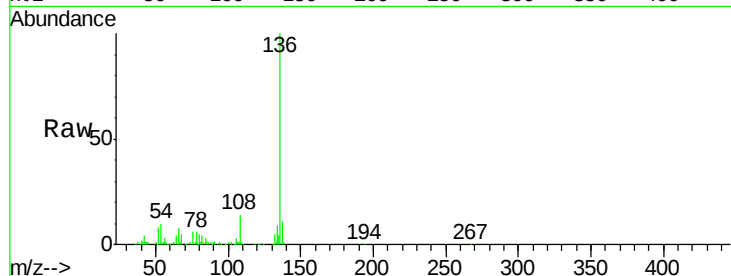




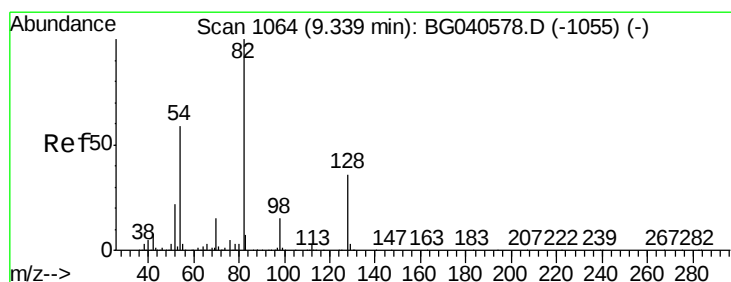
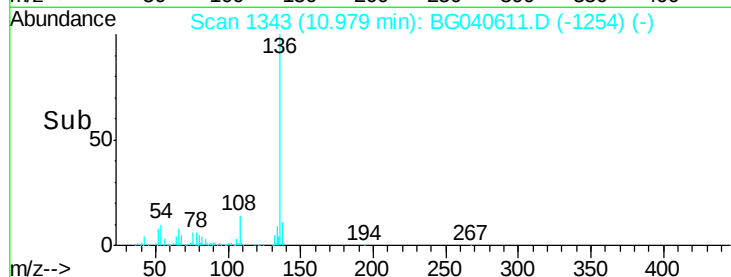
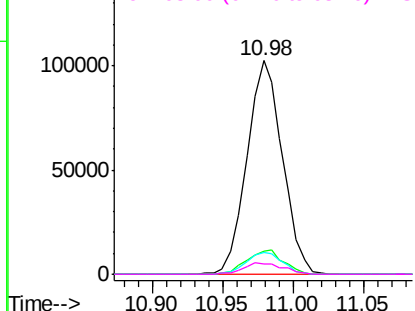
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BG040611.D
Acq: 25 Apr 2019 15:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	180017
Ion	Ratio	Lower Upper
136	100	
137	10.7	9.7 14.5
54	10.3	8.6 12.8
68	4.8	4.8 7.2

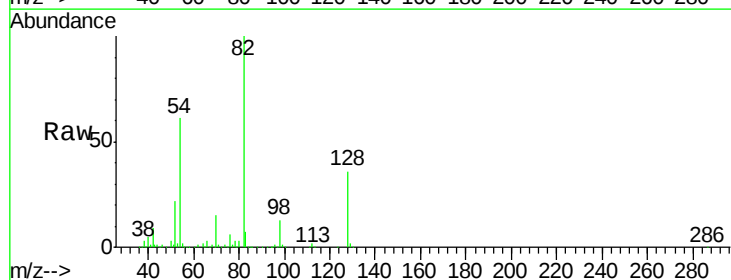


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

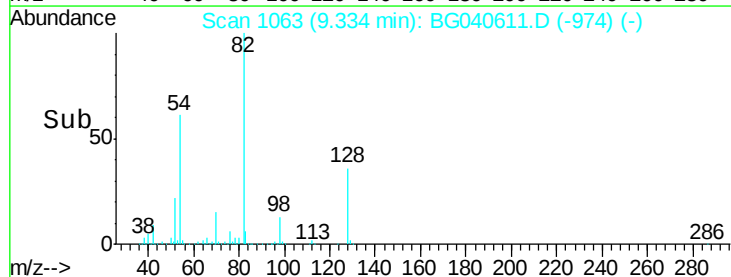
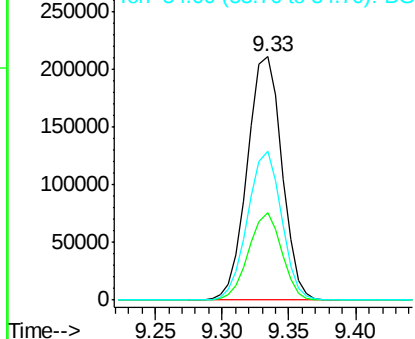


#23
Nitrobenzene-d5
Concen: 97.134 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG040611.D
Acq: 25 Apr 2019 15:29

Tgt Ion: 82	Resp:	378430
Ion	Ratio	Lower Upper
82	100	
128	36.2	28.9 43.3
54	61.1	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: 14.79 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BG040611.D

Acq: 25 Apr 2019 15:29

Instrument :

BNA_G

ClientSampleId :

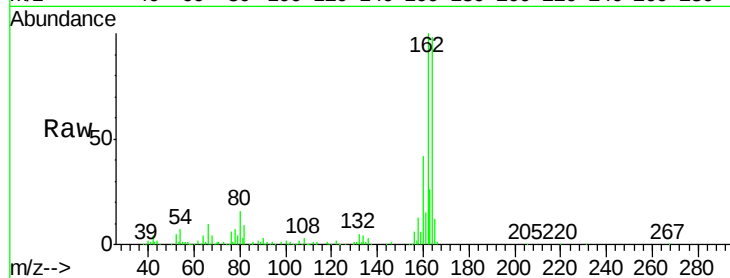
Tot Ion:164 Resp: 131919

Ion Ratio Lower Upper

164 100

162 102.3 81.9 122.9

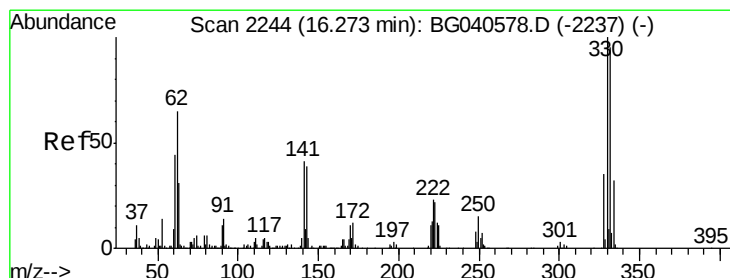
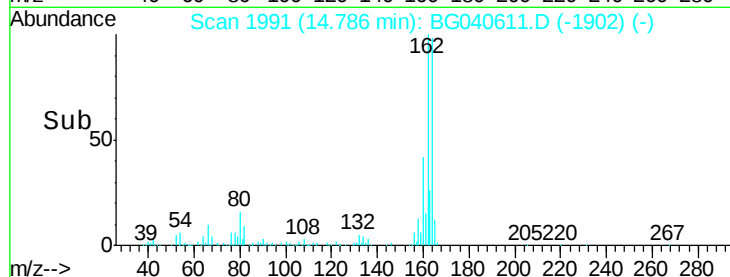
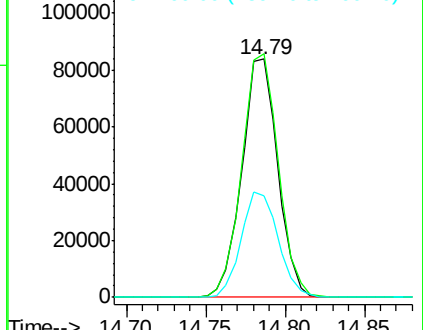
160 42.6 35.4 53.2



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: 139.560 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG040611.D

Acq: 25 Apr 2019 15:29

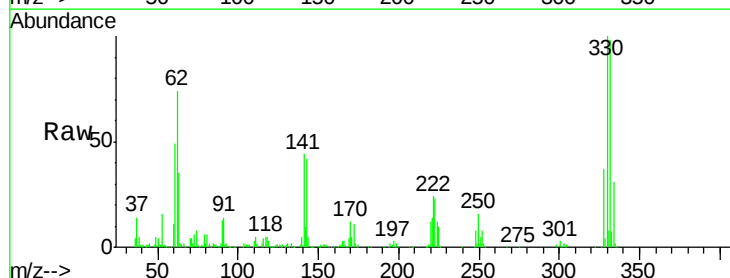
Tgt Ion:330 Resp: 253058

Ion Ratio Lower Upper

330 100

332 98.7 75.9 113.9

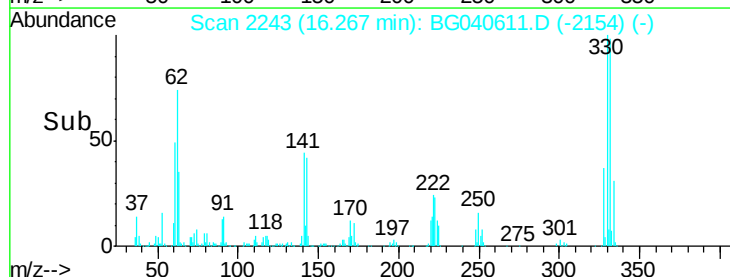
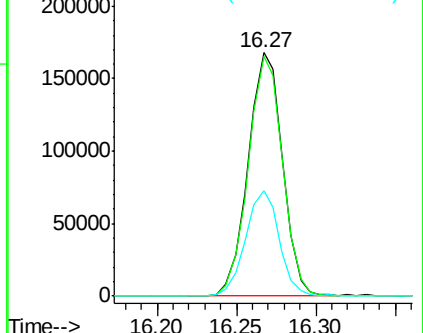
141 42.9 32.4 48.6



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

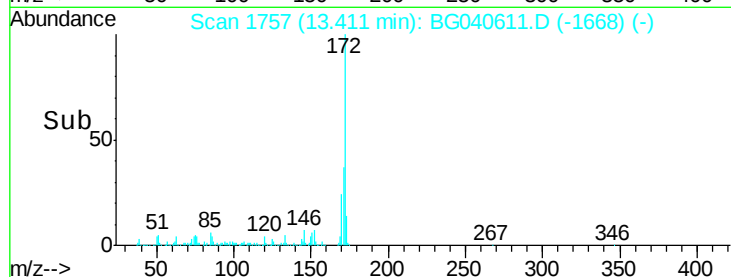
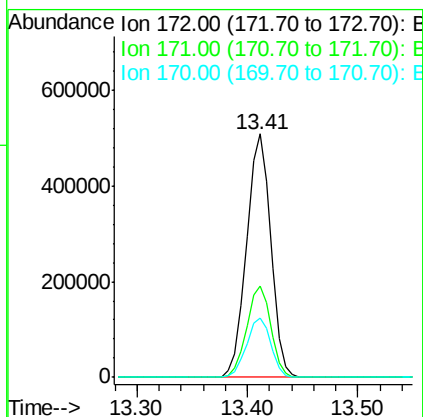
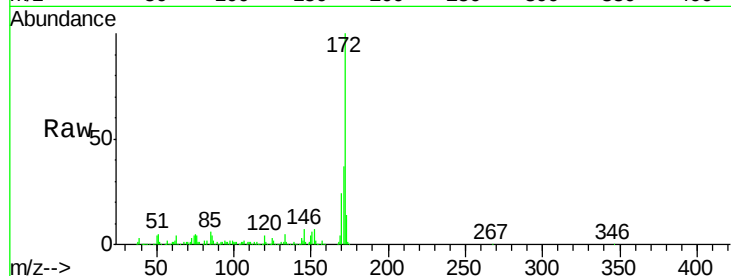




#45
2-Fluorobiphenyl
Concen: 85.678 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BG040611.D
Acq: 25 Apr 2019 15:29

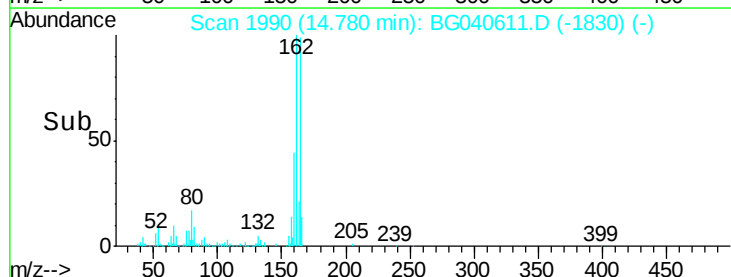
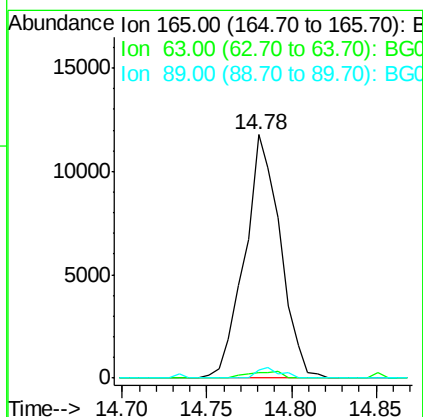
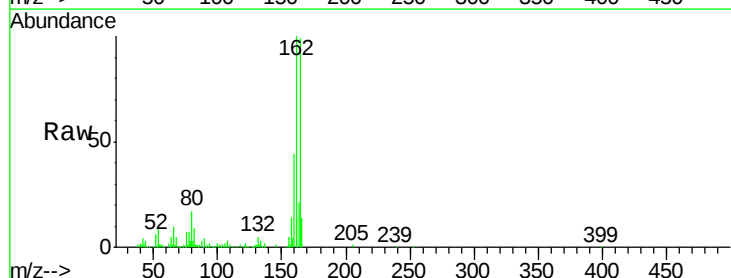
Instrument :
BNA_G
ClientSampleId :

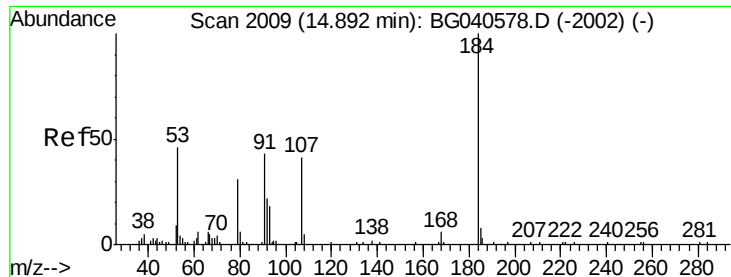
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.4	44.2
170	24.4	19.9	29.9



#51
2,6-Dinitrotoluene
Concen: 8.005 ng
RT: 14.78 min Scan# 1990
Delta R.T. 0.41 min
Lab File: BG040611.D
Acq: 25 Apr 2019 15:29

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	61.0	91.4#
89	3.4	58.6	87.8#





#54

2,4-Dinitrophenol

Concen: 7.062 ng

RT: 15.30 min Scan# 2078

Delta R.T. 0.41 min

Lab File: BG040611.D

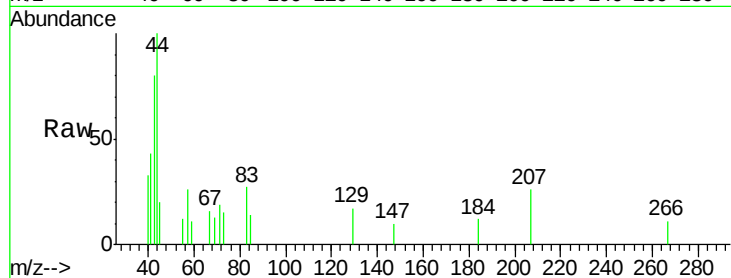
Acq: 25 Apr 2019 15:29

Instrument :

BNA_G

ClientSampleId :

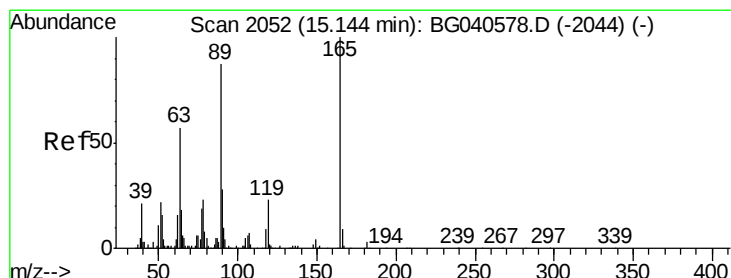
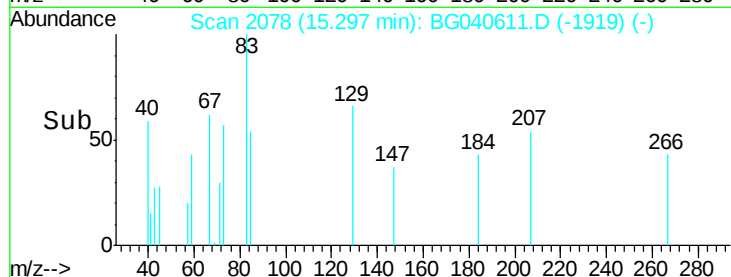
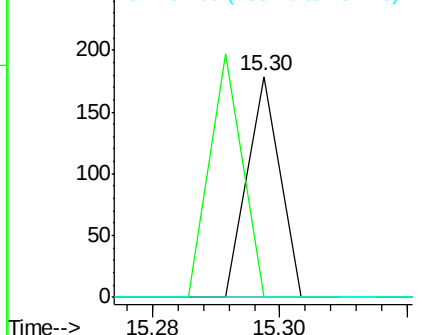
Tot Ion	184	Resp	63
Ion Ratio	100		
Lower		51.8	77.6#
Upper		43.6	65.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E



#57

2,4-Dinitrotoluene

Concen: 5.891 ng

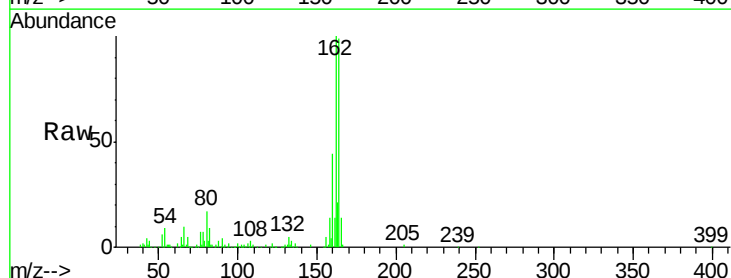
RT: 14.78 min Scan# 1990

Delta R.T. -0.36 min

Lab File: BG040611.D

Acq: 25 Apr 2019 15:29

Tgt Ion	165	Resp	17243
Ion Ratio	100		
Lower		45.8	68.8#
Upper		69.4	104.2#
		2.2	3.4#

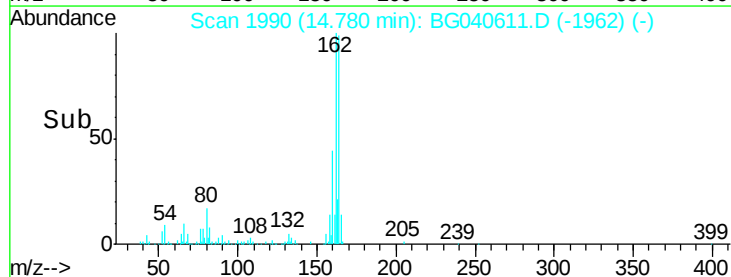
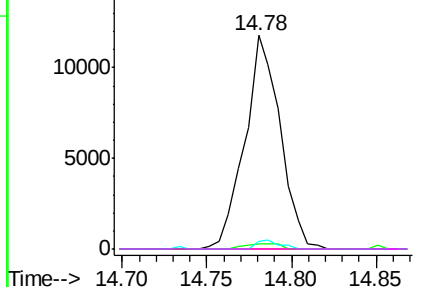


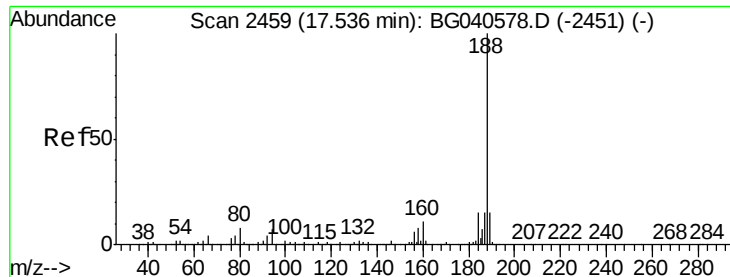
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.53 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BG040611.D

Acq: 25 Apr 2019 15:29

Instrument :

BNA_G

ClientSampleId :

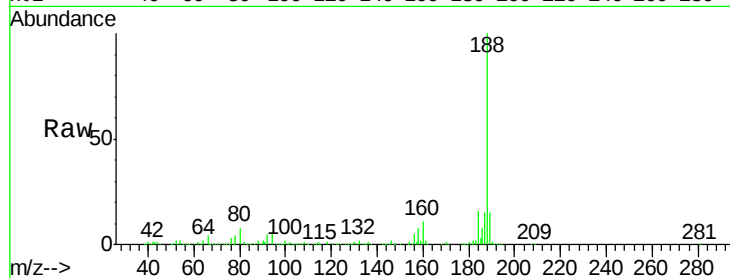
Tot Ion:188 Resp: 358509

Ion Ratio Lower Upper

188 100

94 5.9 5.6 8.4

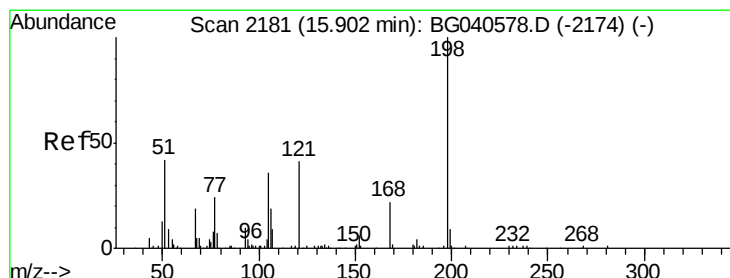
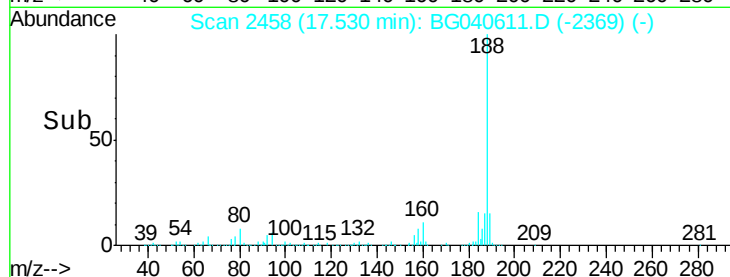
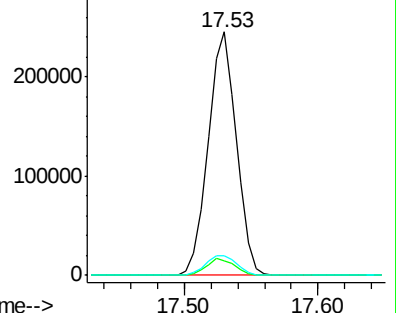
80 8.2 6.4 9.6



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: 7.445 ng

RT: 16.26 min Scan# 2241

Delta R.T. 0.35 min

Lab File: BG040611.D

Acq: 25 Apr 2019 15:29

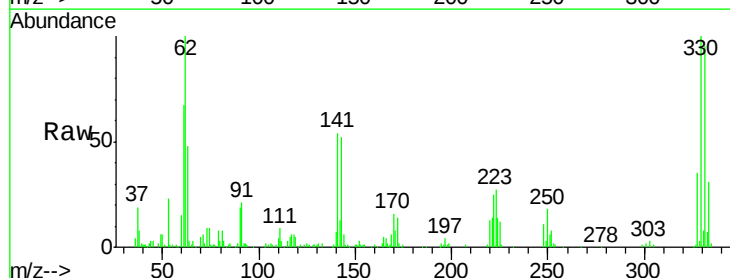
Tgt Ion:198 Resp: 712

Ion Ratio Lower Upper

198 100

51 41.2 35.9 75.9

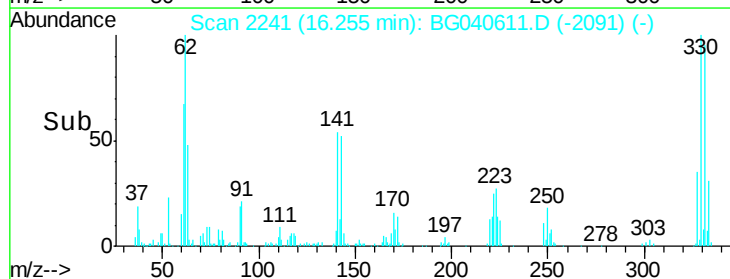
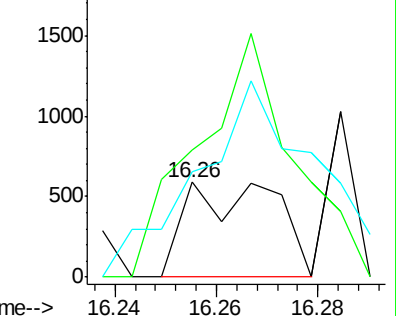
105 34.2 21.2 61.2

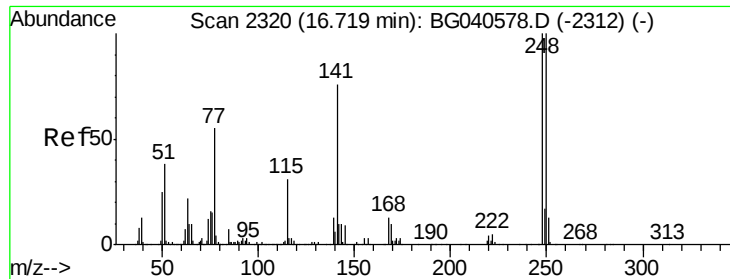


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

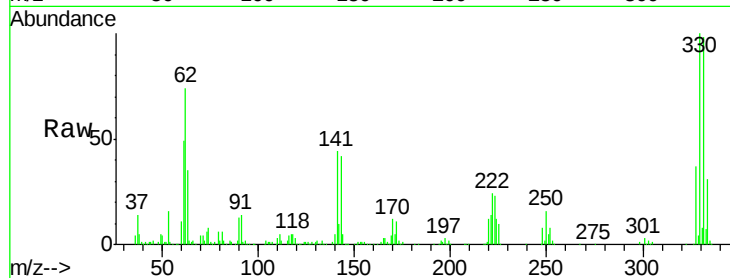




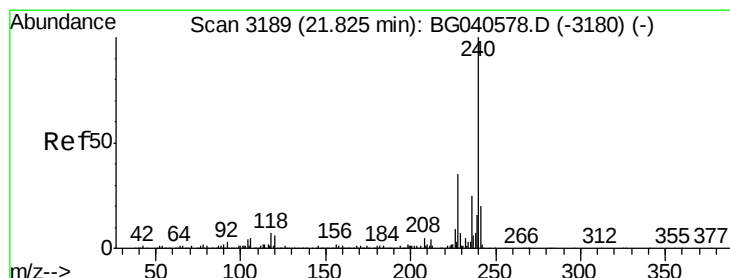
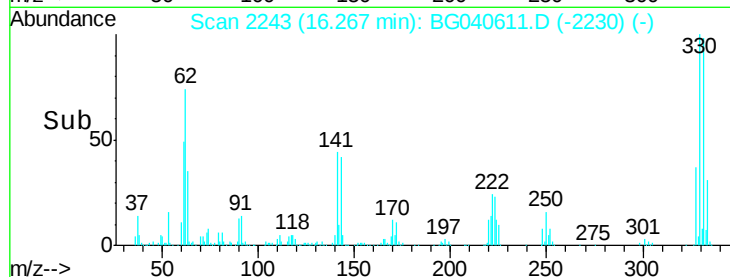
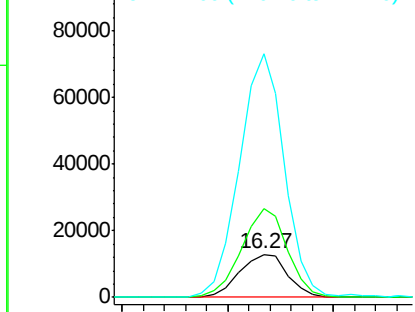
#67
 4-Bromophenyl-phenylether
 Concen: 4.496 ng
 RT: 16.27 min Scan# 2243
 Delta R.T. -0.45 min
 Lab File: BG040611.D
 Acq: 25 Apr 2019 15:29

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 20082
 Ion Ratio Lower Upper
 248 100
 250 156.1 79.8 119.6#
 141 429.8 60.8 91.2#

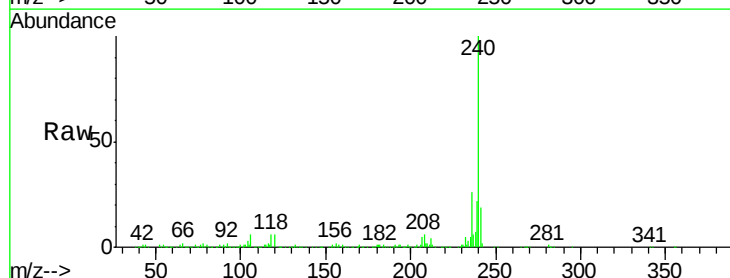


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

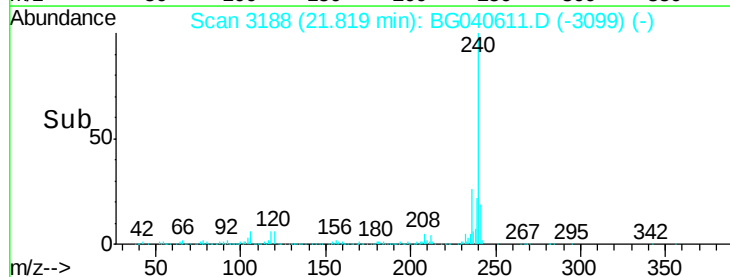
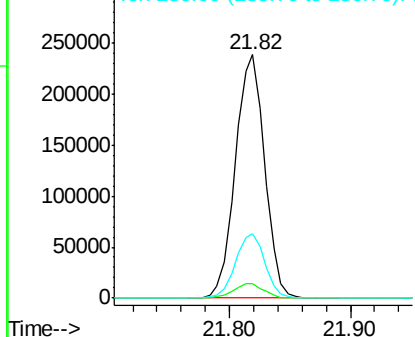


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3188
 Delta R.T. -0.01 min
 Lab File: BG040611.D
 Acq: 25 Apr 2019 15:29

Tgt Ion:240 Resp: 403689
 Ion Ratio Lower Upper
 240 100
 120 6.0 5.0 7.6
 236 26.4 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: 3.285 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.37 min

Lab File: BG040611.D

Acq: 25 Apr 2019 15:29

Instrument :

BNA_G

ClientSampleId :

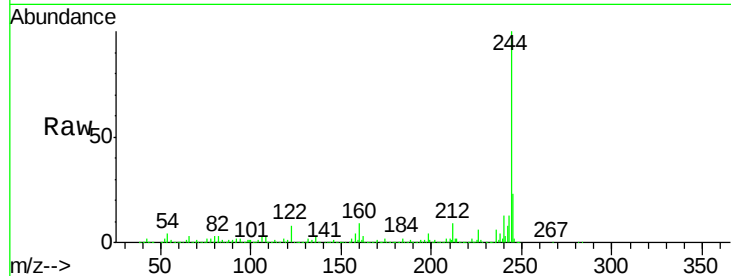
Tot Ion:184 Resp: 36311

Ion Ratio Lower Upper

184 100

185 15.8 11.8 17.8

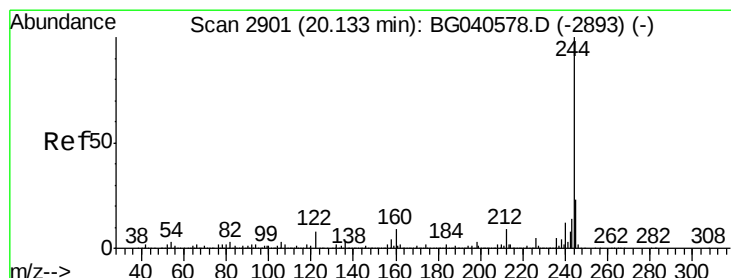
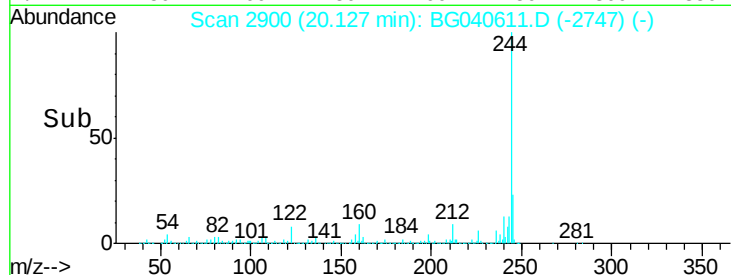
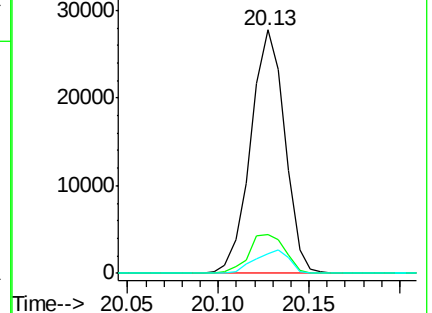
183 7.8 10.2 15.2#



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: 95.349 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.01 min

Lab File: BG040611.D

Acq: 25 Apr 2019 15:29

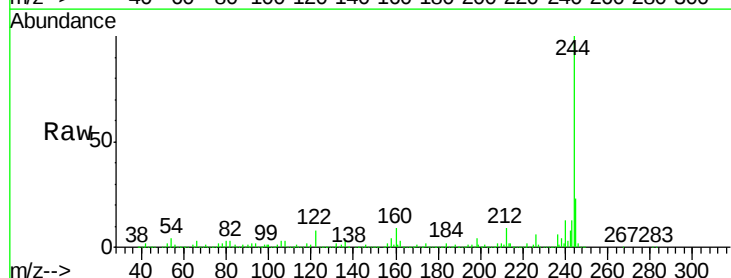
Tgt Ion:244 Resp: 1737423

Ion Ratio Lower Upper

244 100

212 9.5 7.2 10.8

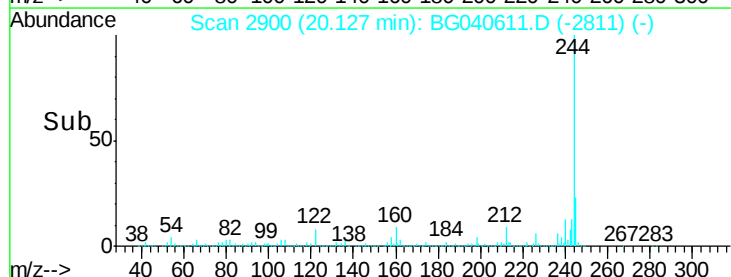
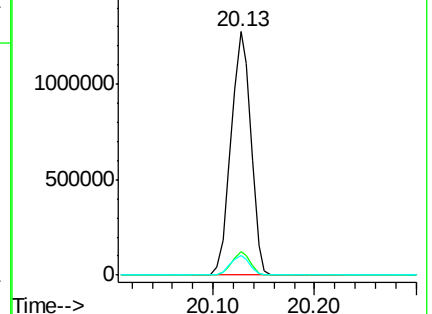
122 8.2 6.6 10.0

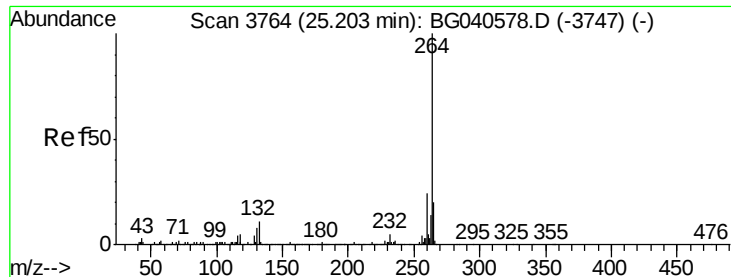


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

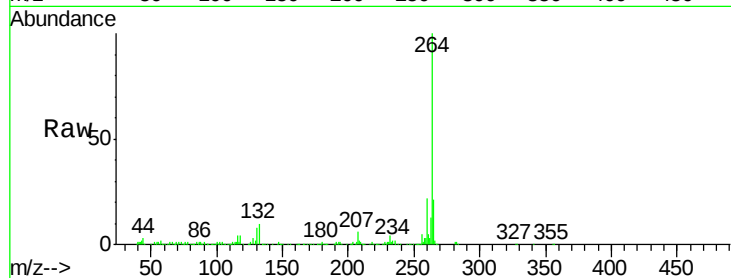




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.19 min Scan# 3762
Delta R.T. -0.01 min
Lab File: BG040611.D
Acq: 25 Apr 2019 15:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.7	19.2	28.8
265	21.0	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

