

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050219\
 Data File : BG040718.D
 Acq On : 2 May 2019 22:10
 Operator : JU/SJ
 Sample : K2652-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DRUM-1-4

Quant Time: May 03 04:24:40 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

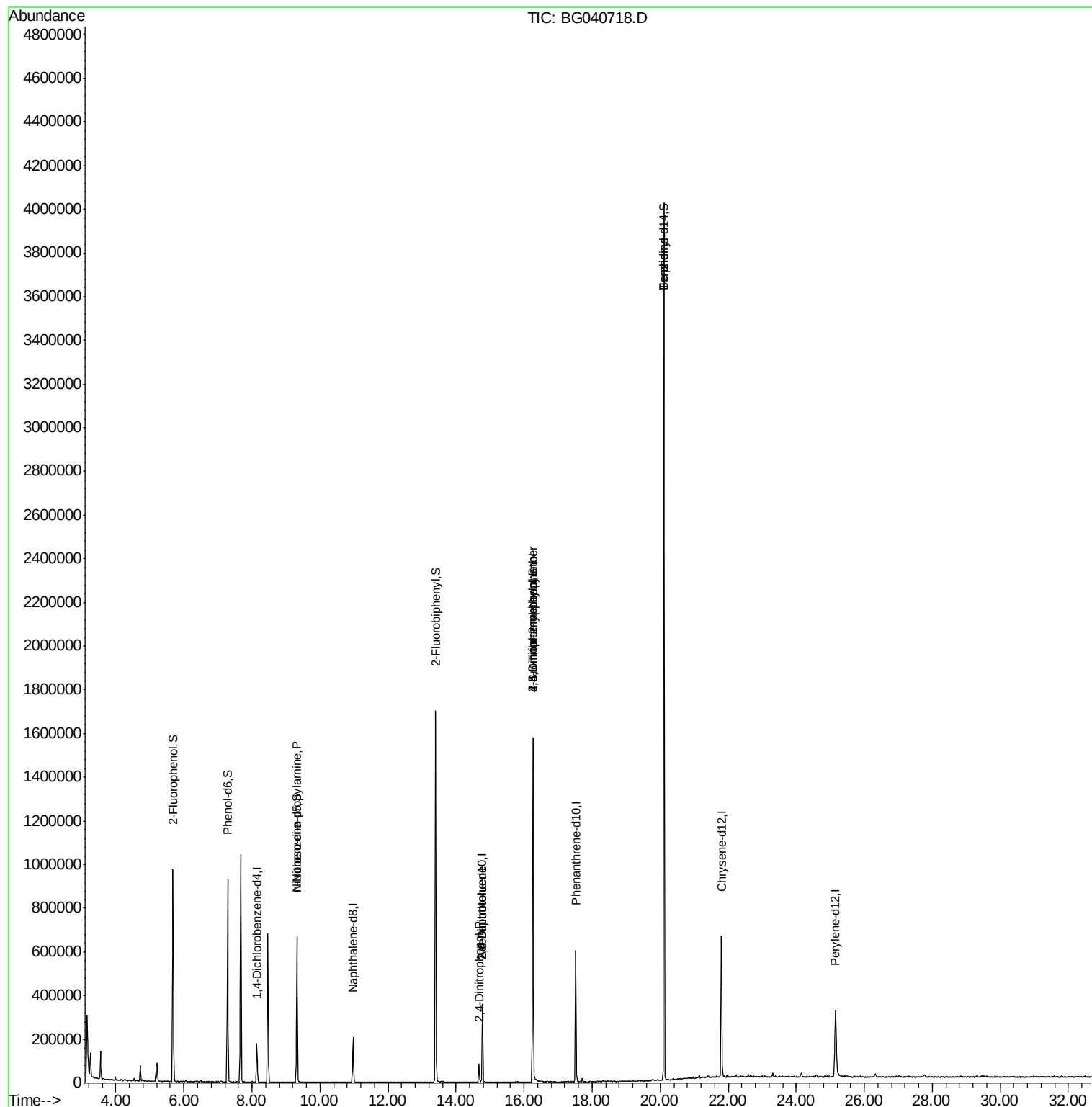
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	42406	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	165167	20.00	ng	-0.01
39) Acenaphthene-d10	14.77	164	121009	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	361123	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	384298	20.00	ng	-0.02
87) Perylene-d12	25.16	264	376913	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	345656	143.68	ng	0.00
7) Phenol-d6	7.28	99	456146	123.15	ng	-0.01
23) Nitrobenzene-d5	9.32	82	392727	109.87	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	282028	169.56	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	829029	98.94	ng	-0.02
79) Terphenyl-d14	20.12	244	1854428	106.91	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	1043	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.32	70	57925	17.373	ng	# 76
51) 2,6-Dinitrotoluene	14.77	165	16782	8.493	ng	# 15
54) 2,4-Dinitrophenol	14.69	184	88	7.087	ng	# 21
57) 2,4-Dinitrotoluene	14.77	165	16782	6.250	ng	# 17
65) 4,6-Dinitro-2-methylphenol	16.26	198	1061	7.609	ng	# 1
67) 4-Bromophenyl-phenylether	16.26	248	21309	4.736	ng	# 1
77) Benzidine	20.11	184	35240	3.349	ng	# 87

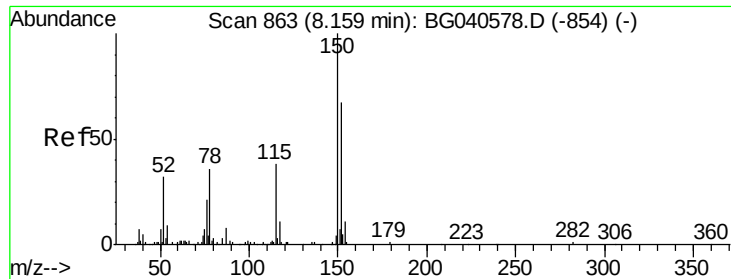
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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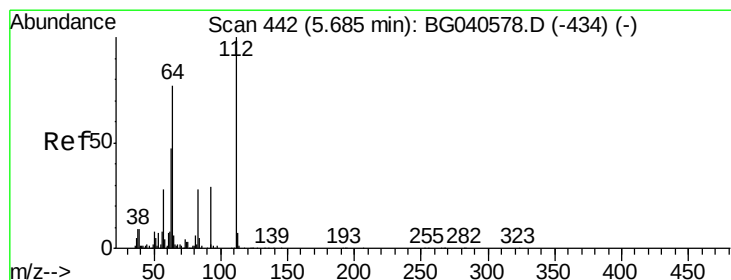
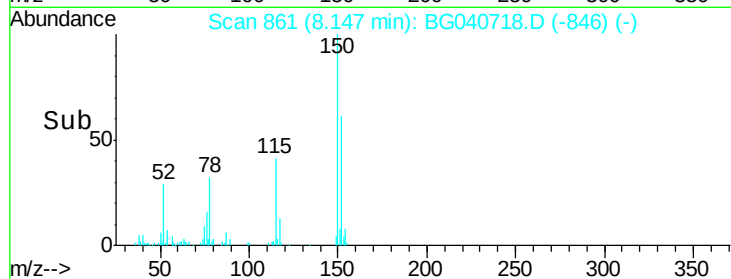
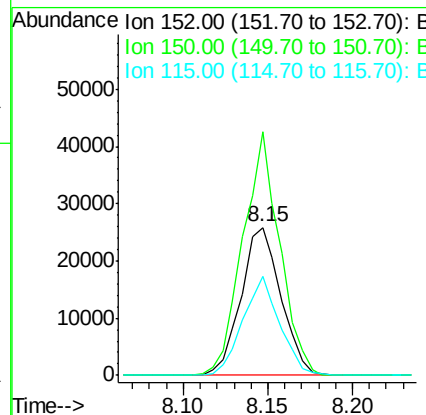
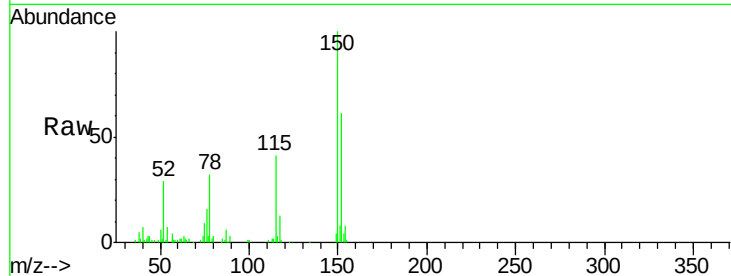


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040718.D
Acq: 2 May 2019 22:10

Instrument :
BNA_G
ClientSampleId :
DRUM-1-4

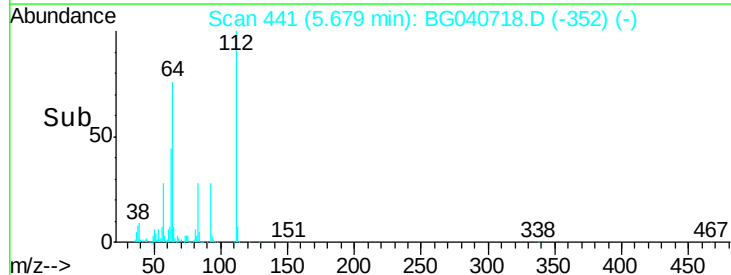
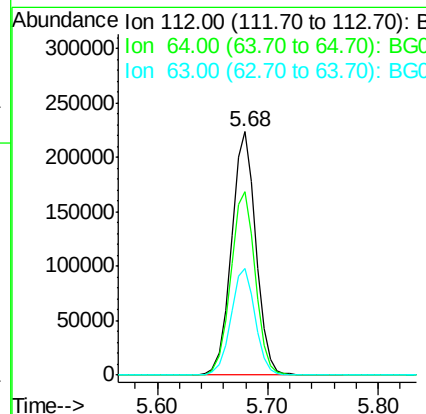
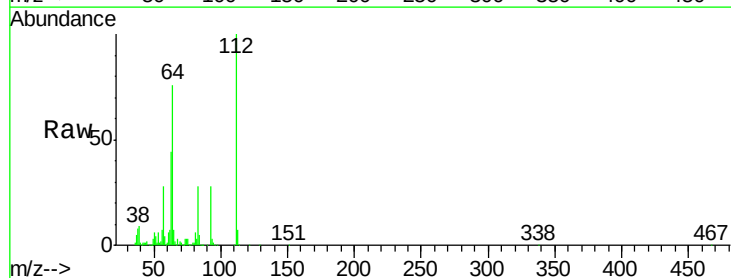
Tot Ion	152	Resp	42406
Ion	Ratio	Lower	Upper
152	100		
150	164.3	120.2	180.2
115	67.1	46.2	69.2

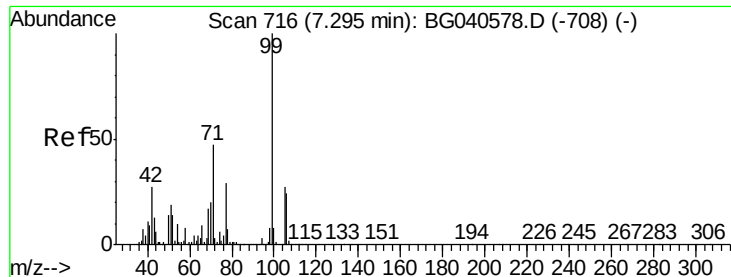


#5

2-Fluorophenol
Concen: 143.685 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.00 min
Lab File: BG040718.D
Acq: 2 May 2019 22:10

Tgt Ion	112	Resp	345656
Ion	Ratio	Lower	Upper
112	100		
64	75.5	61.4	92.0
63	43.8	37.8	56.6





#7

Phenol-d6

Concen: 123.149 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040718.D

Acq: 2 May 2019 22:10

Instrument :

BNA_G

ClientSampled :

DRUM-1-4

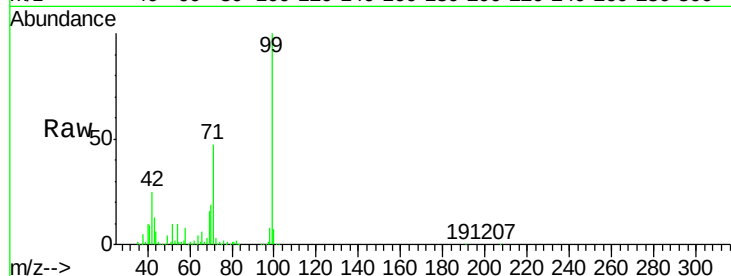
Tot Ion: 99 Resp: 456146

Ion Ratio Lower Upper

99 100

42 25.4 21.8 32.8

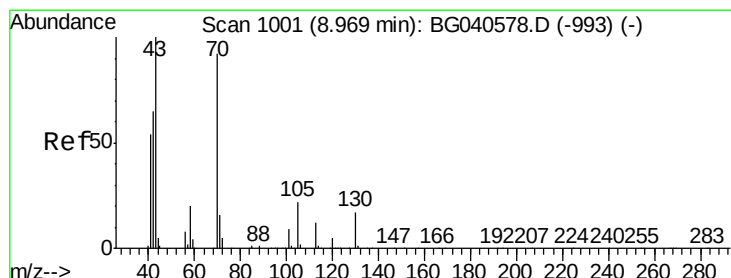
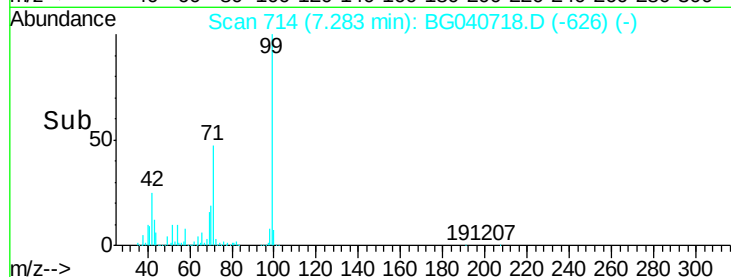
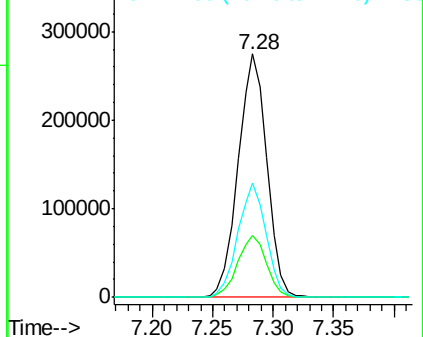
71 47.2 38.6 57.8



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: 17.373 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040718.D

Acq: 2 May 2019 22:10

Tgt Ion: 70 Resp: 57925

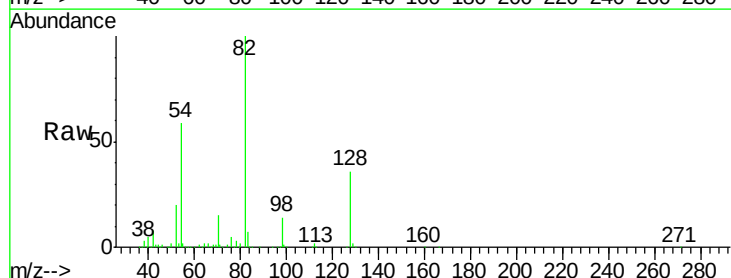
Ion Ratio Lower Upper

70 100

42 54.3 57.1 85.7#

101 0.0 7.8 11.8#

130 1.3 14.6 21.8#

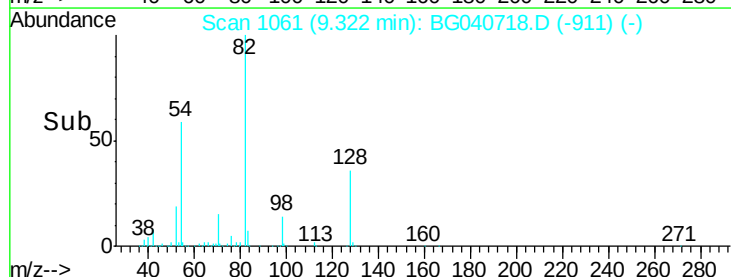
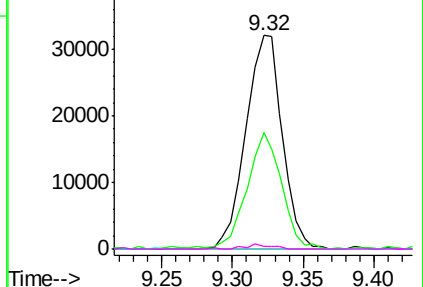


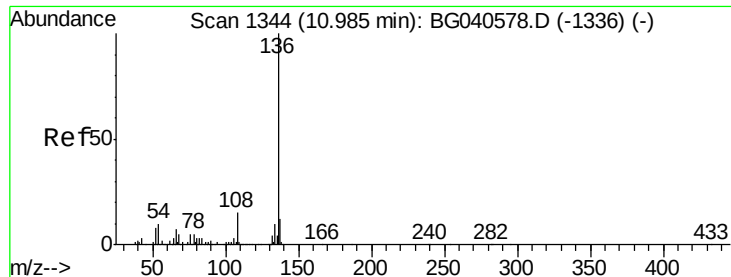
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

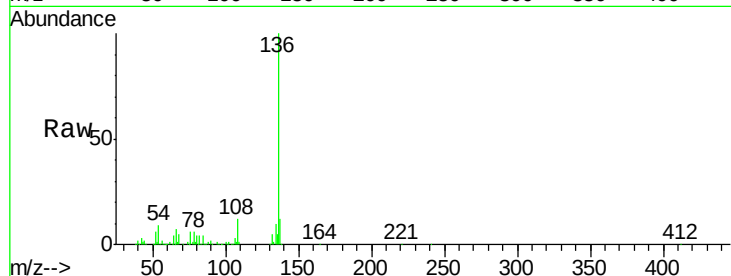




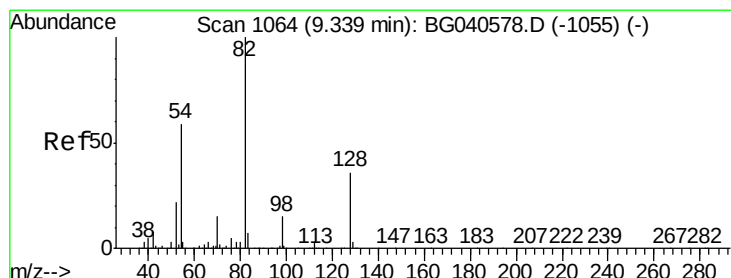
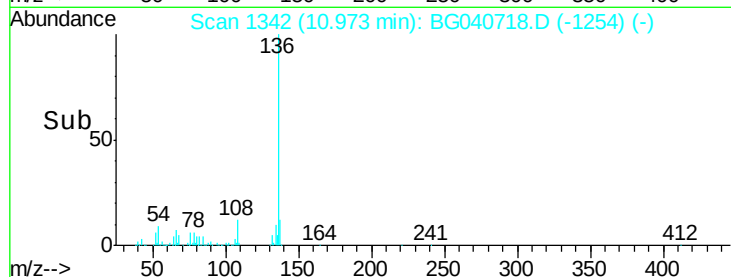
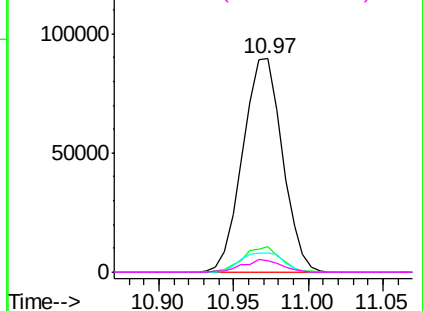
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BG040718.D
Acq: 2 May 2019 22:10

Instrument :
BNA_G
ClientSampleId :
DRUM-1-4

Tot Ion:136	Resp:	165167
Ion	Ratio	Lower Upper
136	100	
137	11.9	9.7 14.5
54	8.8	8.6 12.8
68	5.2	4.8 7.2

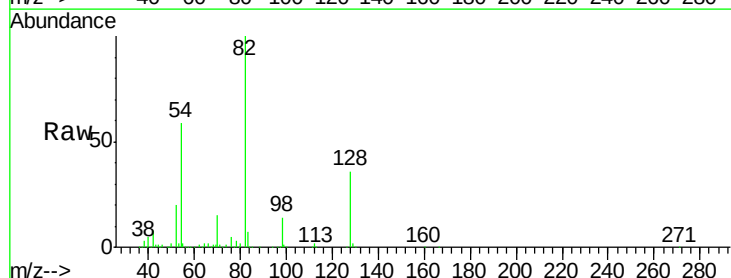


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

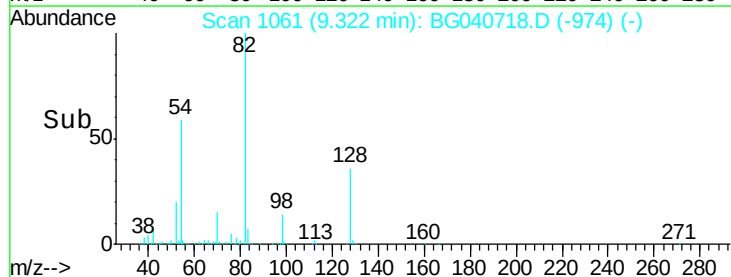
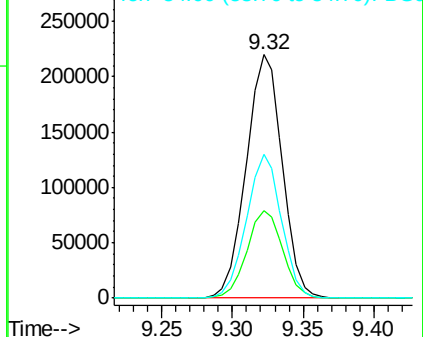


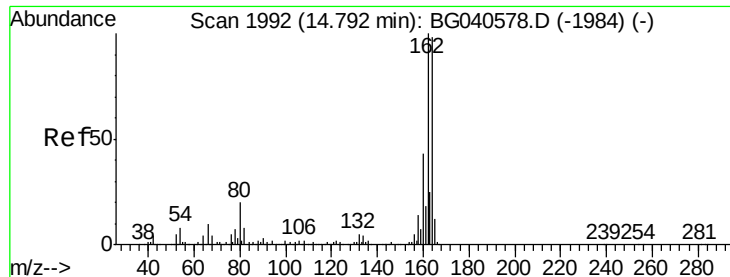
#23
Nitrobenzene-d5
Concen: 109.867 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040718.D
Acq: 2 May 2019 22:10

Tgt Ion: 82	Resp:	392727
Ion	Ratio	Lower Upper
82	100	
128	36.0	28.9 43.3
54	59.0	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: 14.77 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG040718.D

Acq: 2 May 2019 22:10

Instrument :

BNA_G

ClientSampled :

DRUM-1-4

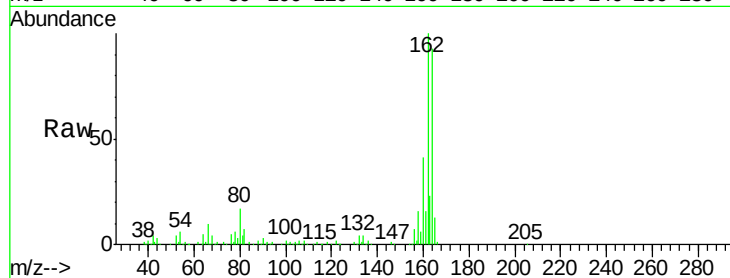
Tot Ion:164 Resp: 121009

Ion Ratio Lower Upper

164 100

162 107.6 81.9 122.9

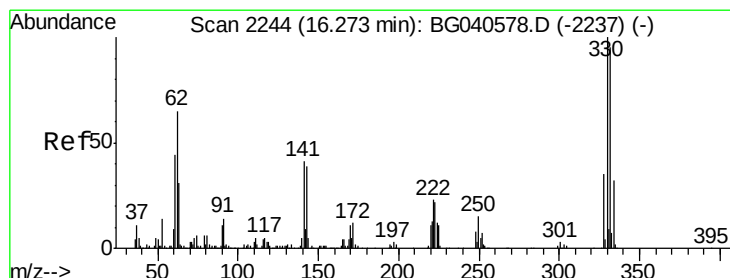
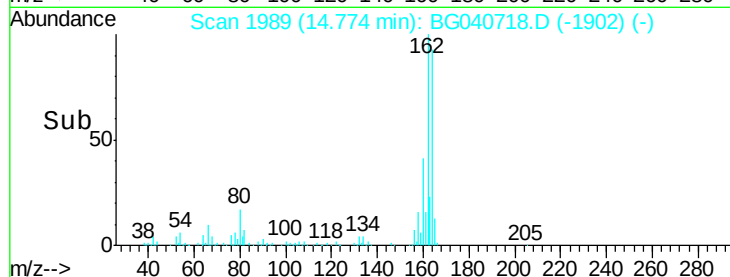
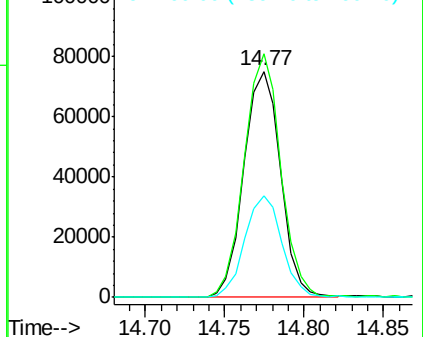
160 44.6 35.4 53.2



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: 169.560 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.01 min

Lab File: BG040718.D

Acq: 2 May 2019 22:10

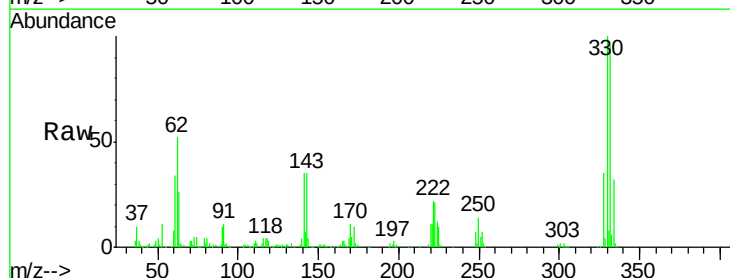
Tgt Ion:330 Resp: 282028

Ion Ratio Lower Upper

330 100

332 95.6 75.9 113.9

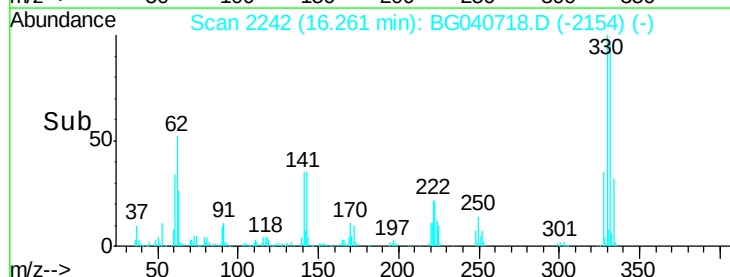
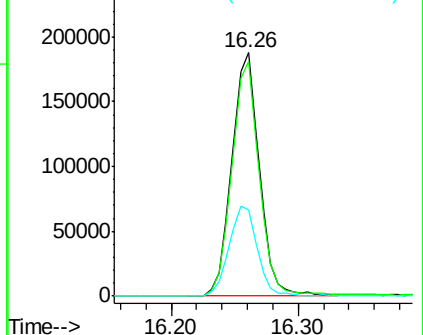
141 37.5 32.4 48.6

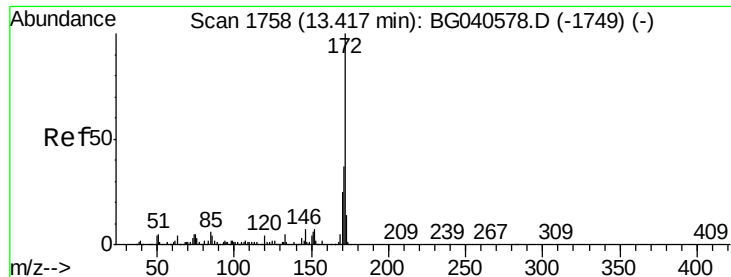


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

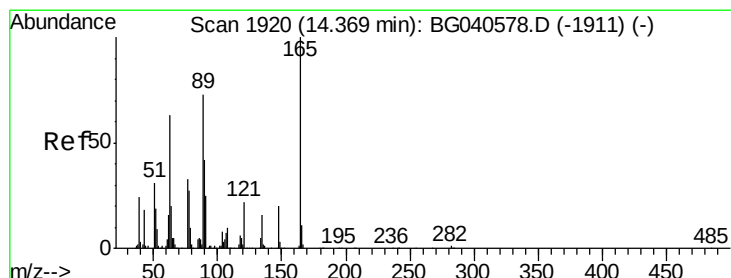
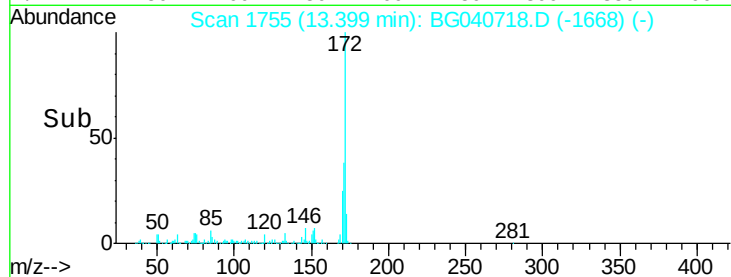
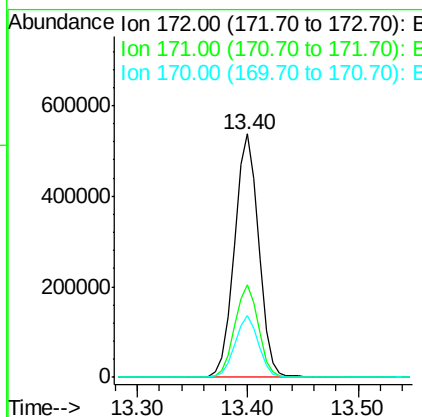
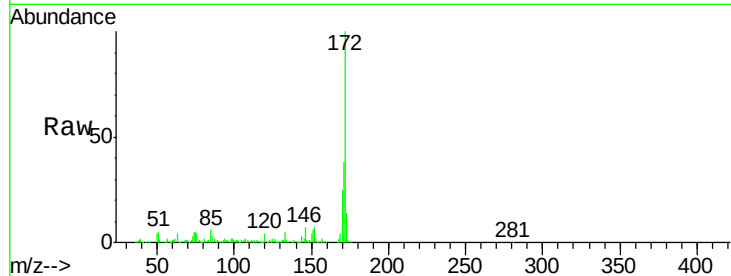




#45
 2-Fluorobiphenyl
 Concen: 98.942 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BG040718.D
 Acq: 2 May 2019 22:10

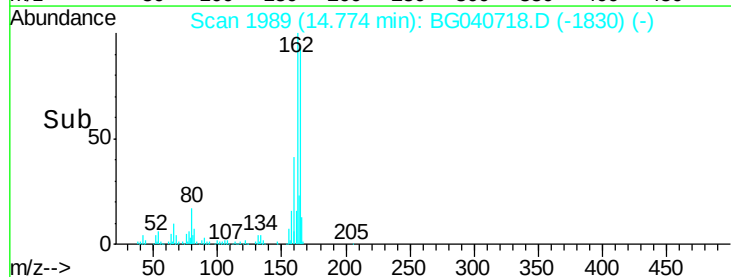
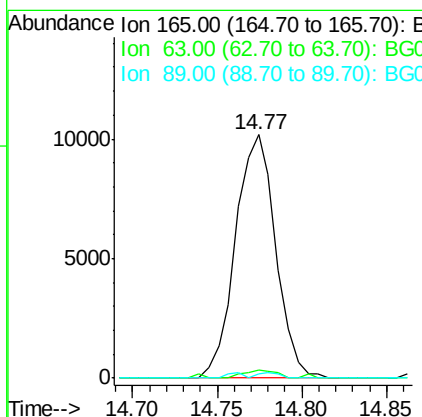
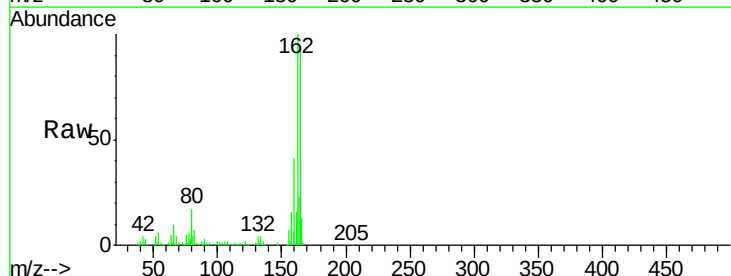
Instrument :
 BNA_G
 ClientSampleId :
 DRUM-1-4

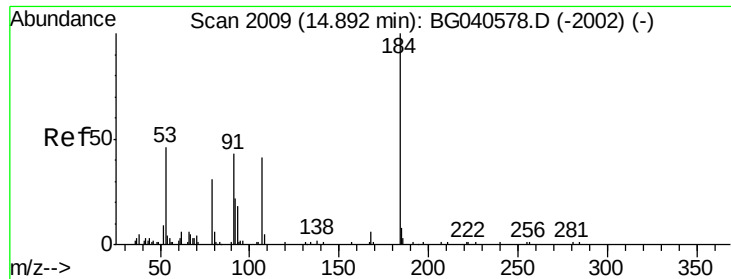
Tot Ion	172	Resp	829029
Ion Ratio	Lower	Upper	
172	100		
171	38.0	29.4	44.2
170	25.2	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 8.493 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. 0.41 min
 Lab File: BG040718.D
 Acq: 2 May 2019 22:10

Tgt Ion	165	Resp	16782
Ion Ratio	Lower	Upper	
165	100		
63	3.3	61.0	91.4#
89	1.9	58.6	87.8#





#54

2,4-Dinitrophenol

Concen: 7.087 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.20 min

Lab File: BG040718.D

Acq: 2 May 2019 22:10

Instrument :

BNA_G

ClientSampleId :

DRUM-1-4

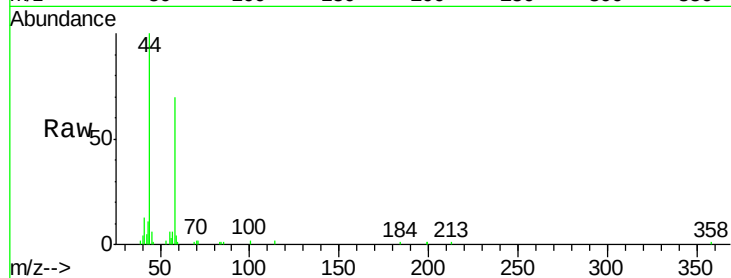
Tot Ion:184 Resp: 88

Ion Ratio Lower Upper

184 100

63 0.0 51.8 77.6#

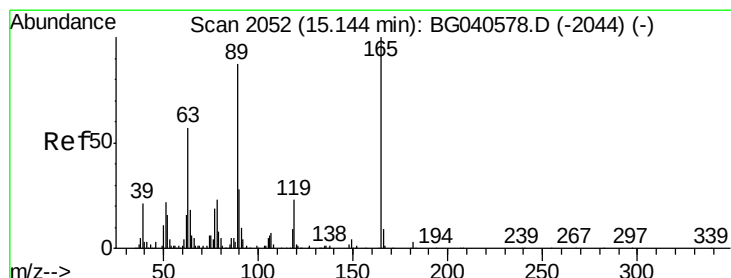
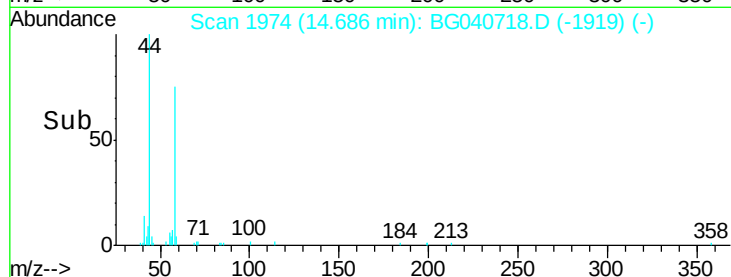
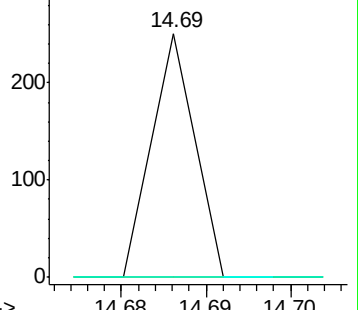
154 0.0 43.6 65.4#



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: 6.250 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.37 min

Lab File: BG040718.D

Acq: 2 May 2019 22:10

Tgt Ion:165 Resp: 16782

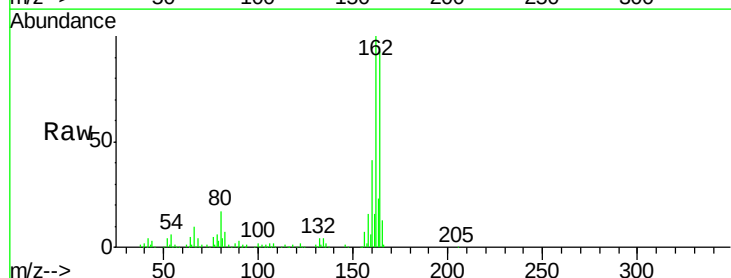
Ion Ratio Lower Upper

165 100

63 3.3 45.8 68.8#

89 1.9 69.4 104.2#

182 0.0 2.2 3.4#

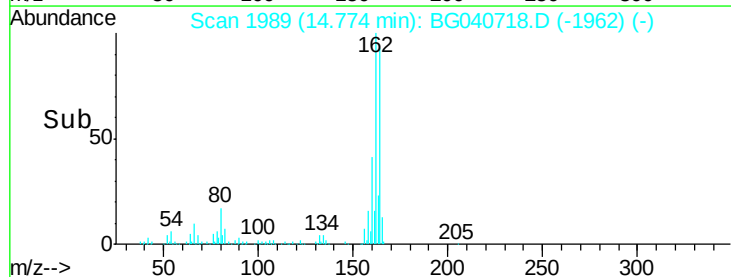
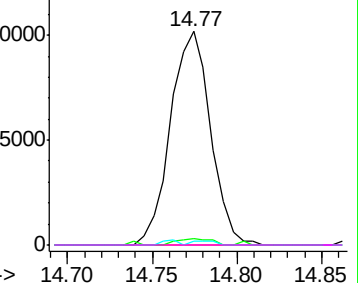


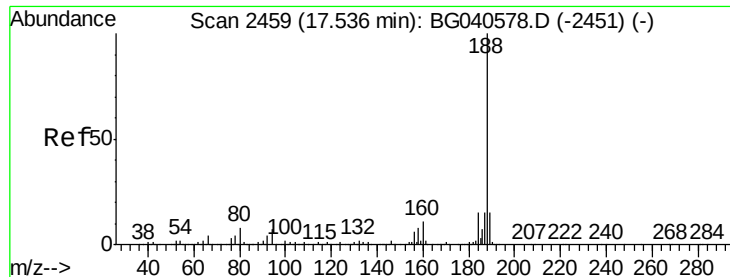
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.52 min Scan# 2456

Delta R.T. -0.02 min

Lab File: BG040718.D

Acq: 2 May 2019 22:10

Instrument :

BNA_G

ClientSampleId :

DRUM-1-4

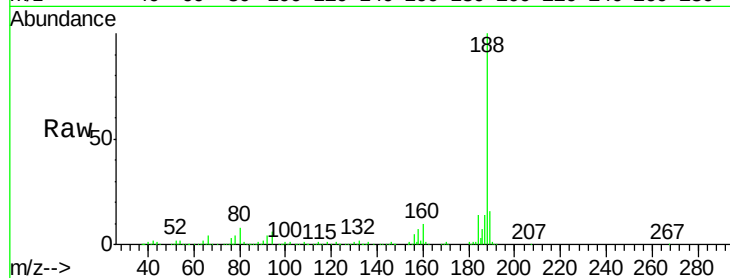
Tot Ion:188 Resp: 361123

Ion Ratio Lower Upper

188 100

94 5.9 5.6 8.4

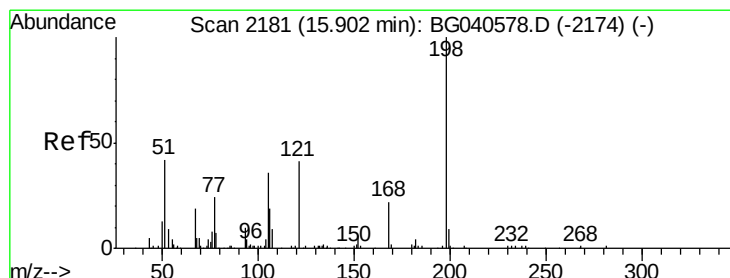
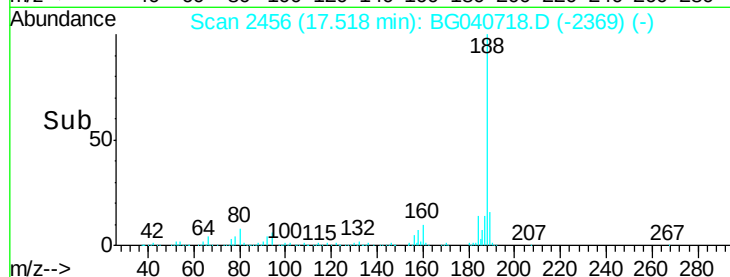
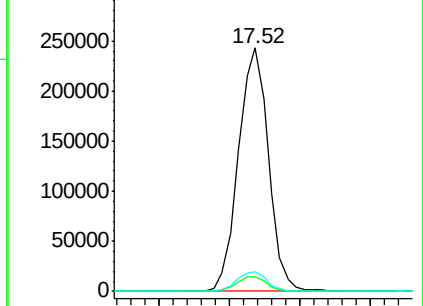
80 7.9 6.4 9.6



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: 7.609 ng

RT: 16.26 min Scan# 2242

Delta R.T. 0.36 min

Lab File: BG040718.D

Acq: 2 May 2019 22:10

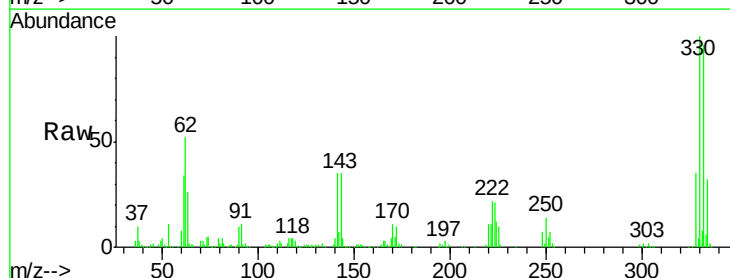
Tgt Ion:198 Resp: 1061

Ion Ratio Lower Upper

198 100

51 132.1 35.9 75.9#

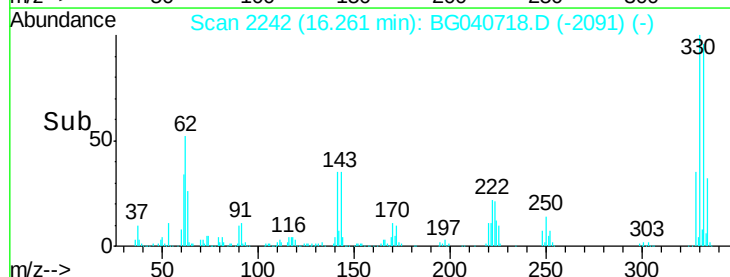
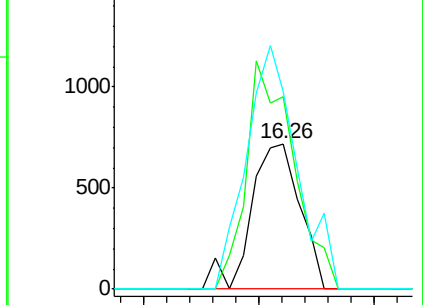
105 135.3 21.2 61.2#

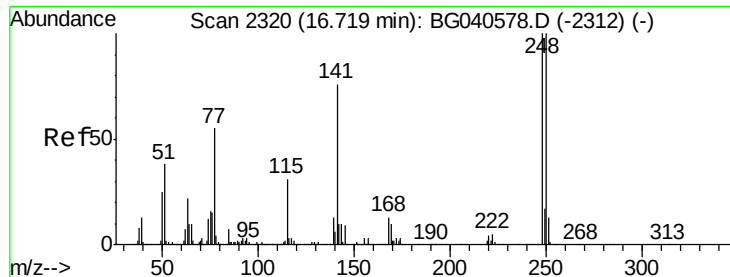


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

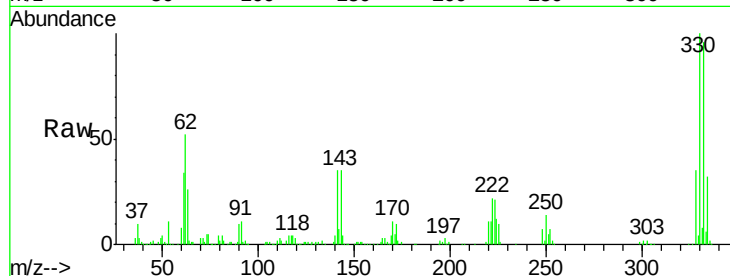




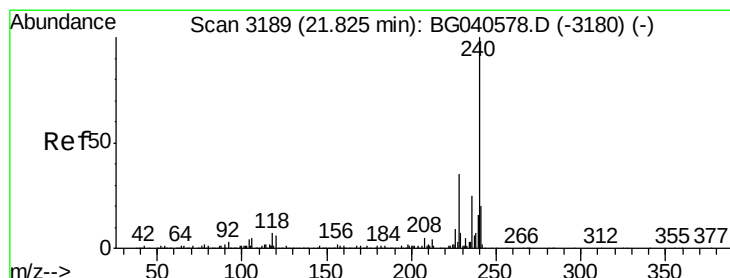
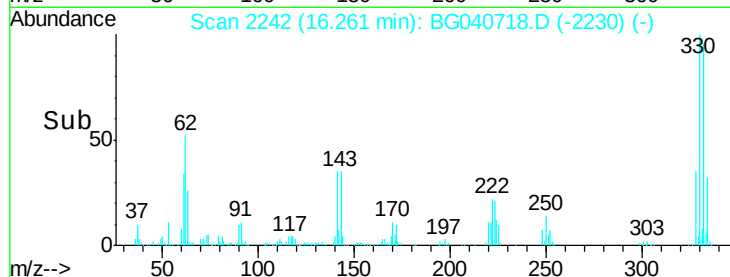
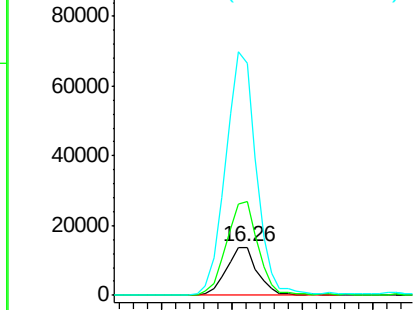
#67
 4-Bromophenyl-phenylether
 Concen: 4.736 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.46 min
 Lab File: BG040718.D
 Acq: 2 May 2019 22:10

Instrument :
 BNA_G
 ClientSampleId :
 DRUM-1-4

Tot Ion:248 Resp: 21309
 Ion Ratio Lower Upper
 248 100
 250 194.9 79.8 119.6#
 141 482.2 60.8 91.2#

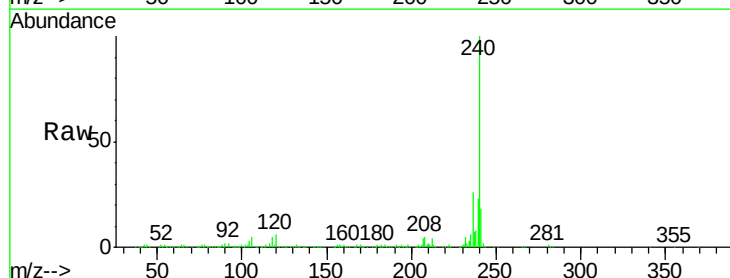


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

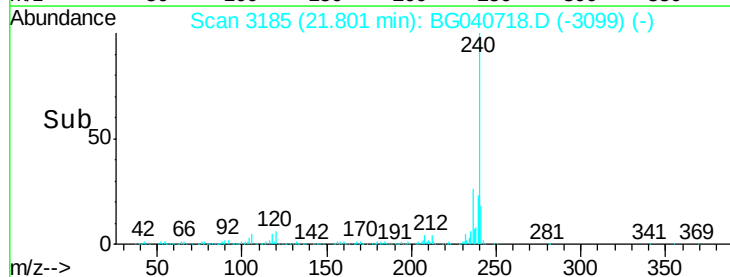
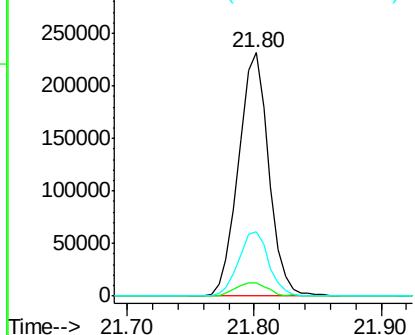


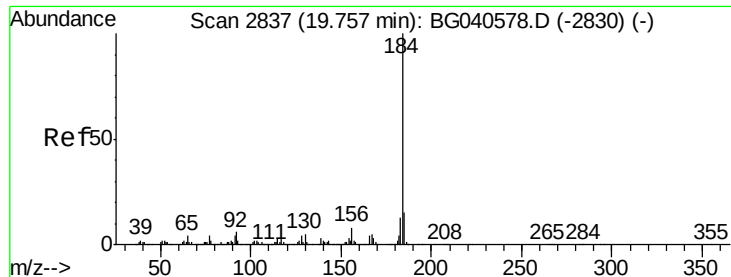
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3185
 Delta R.T. -0.02 min
 Lab File: BG040718.D
 Acq: 2 May 2019 22:10

Tgt Ion:240 Resp: 384298
 Ion Ratio Lower Upper
 240 100
 120 5.5 5.0 7.6
 236 26.2 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: 3.349 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040718.D

Acq: 2 May 2019 22:10

Instrument :

BNA_G

ClientSampleId :

DRUM-1-4

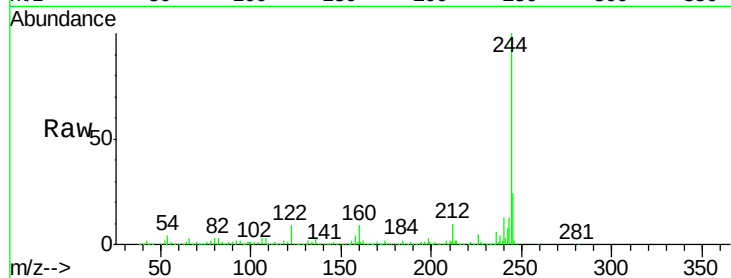
Tot Ion:184 Resp: 35240

Ion Ratio Lower Upper

184 100

185 19.8 11.8 17.8#

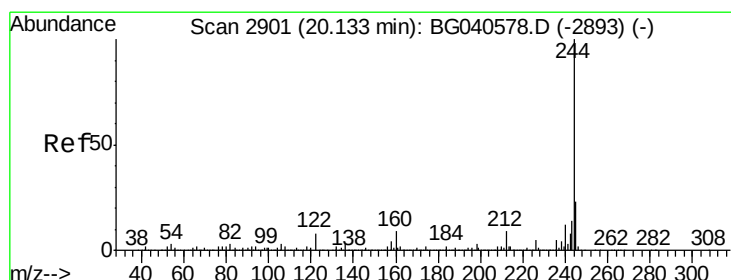
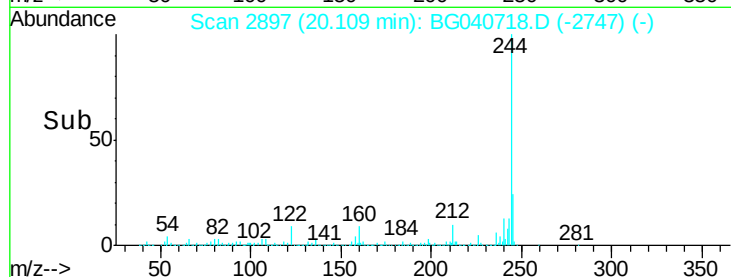
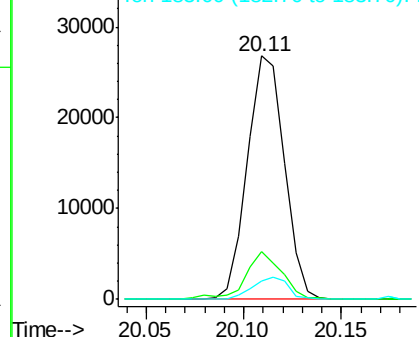
183 7.6 10.2 15.2#



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: 106.905 ng

RT: 20.12 min Scan# 2898

Delta R.T. -0.02 min

Lab File: BG040718.D

Acq: 2 May 2019 22:10

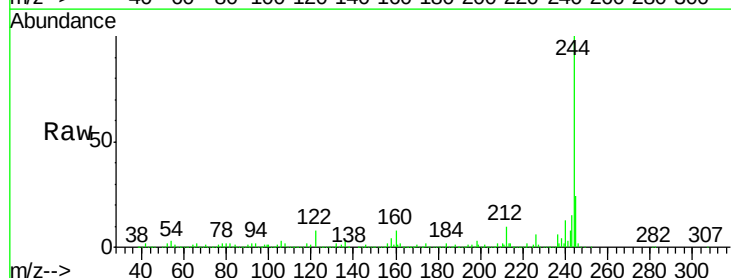
Tgt Ion:244 Resp: 1854428

Ion Ratio Lower Upper

244 100

212 9.7 7.2 10.8

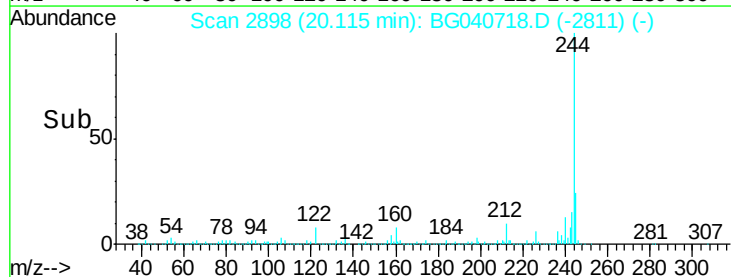
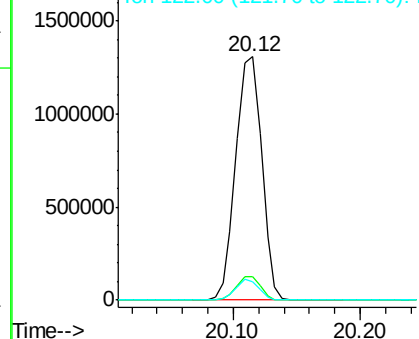
122 7.6 6.6 10.0

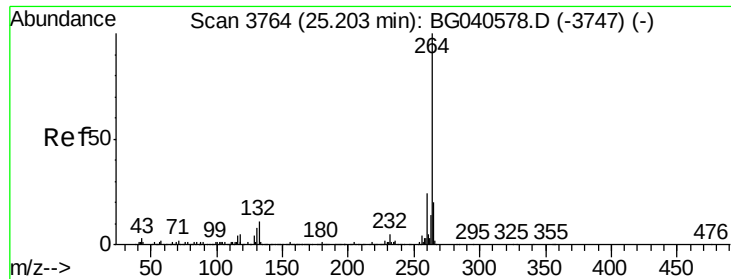


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

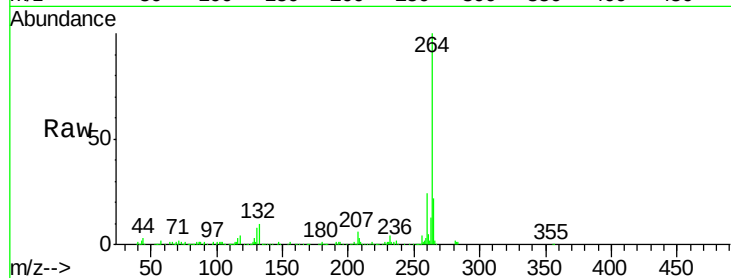




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.16 min Scan# 3756
 Delta R.T. -0.05 min
 Lab File: BG040718.D
 Acq: 2 May 2019 22:10

Instrument :
 BNA_G
 ClientSampleId :
 DRUM-1-4

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.5	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

