

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG043019\
 Data File : BG040680.D
 Acq On : 30 Apr 2019 20:20
 Operator : JU/SJ
 Sample : K2194-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 30 22:44:59 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

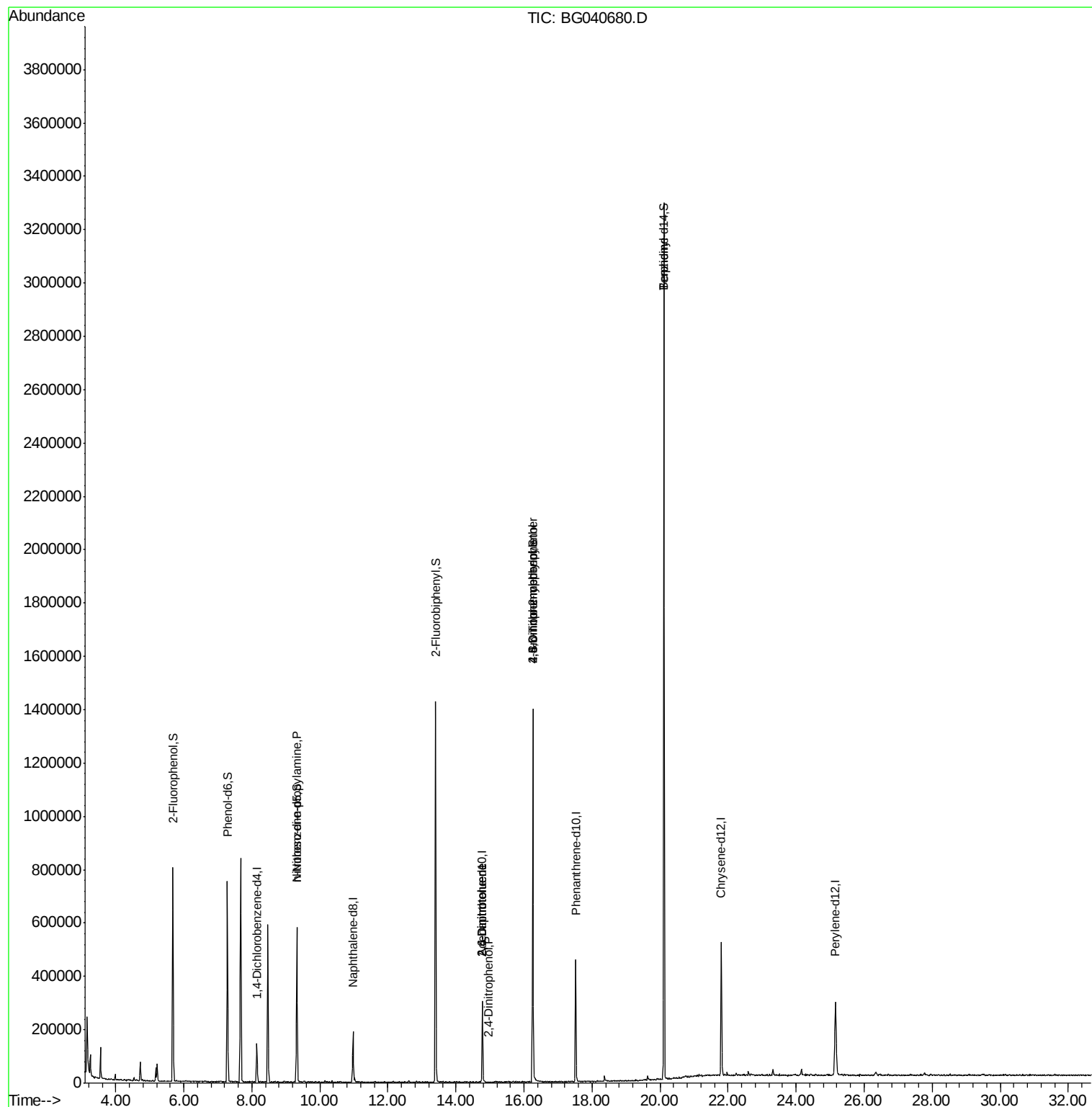
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	36516	20.00	ng	0.00
21) Naphthalene-d8	10.97	136	138788	20.00	ng	-0.01
39) Acenaphthene-d10	14.78	164	98468	20.00	ng	-0.01
64) Phenanthrene-d10	17.52	188	283691	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	305297	20.00	ng	-0.03
87) Perylene-d12	25.15	264	316918	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	279710	135.03	ng	0.00
7) Phenol-d6	7.28	99	368424	115.51	ng	-0.01
23) Nitrobenzene-d5	9.32	82	333887	111.16	ng	-0.01
42) 2,4,6-Tribromophenol	16.26	330	234306	173.12	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	692586	101.58	ng	-0.01
79) Terphenyl-d14	20.11	244	1517972	110.15	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	847	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.32	70	48083	16.747 ng	#	27
51) 2,6-Dinitrotoluene	14.78	165	13626	8.474 ng	#	15
54) 2,4-Dinitrophenol	14.95	184	55	7.070 ng	#	21
57) 2,4-Dinitrotoluene	14.78	165	13626	6.236 ng	#	17
65) 4,6-Dinitro-2-methylphenol	16.26	198	556	7.440 ng	#	1
67) 4-Bromophenyl-phenylether	16.26	248	17350	4.909 ng	#	1
77) Benzydine	20.11	184	28244	3.379 ng	#	94

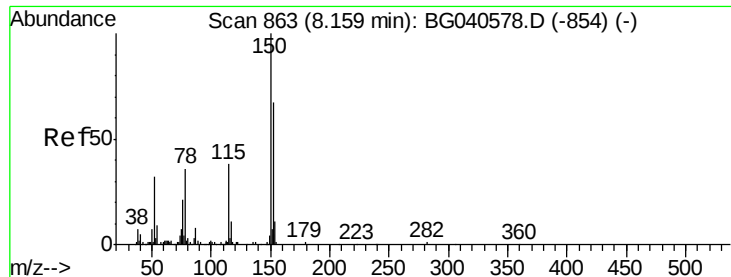
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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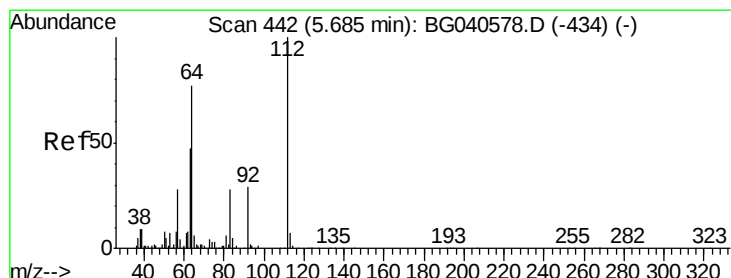
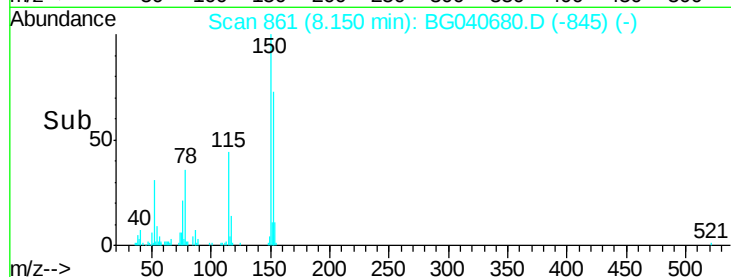
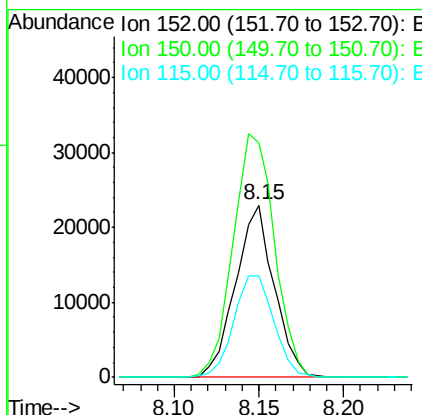
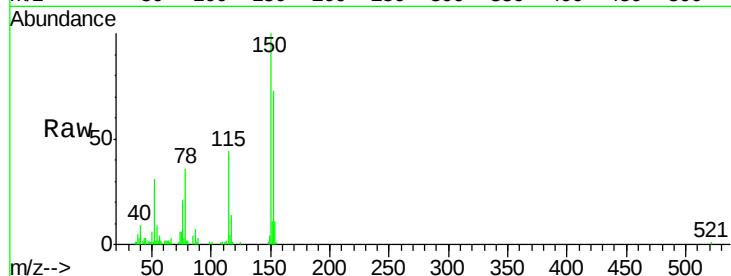


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040680.D
Acq: 30 Apr 2019 20:20

Instrument :
BNA_G
ClientSampleId :

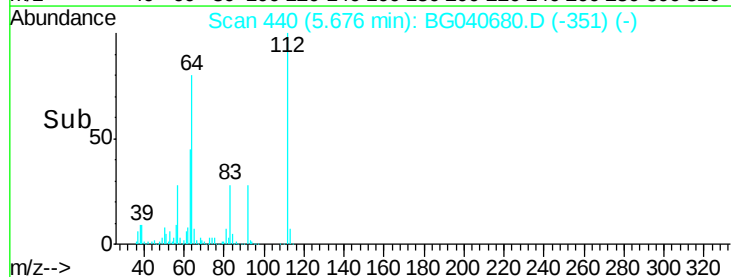
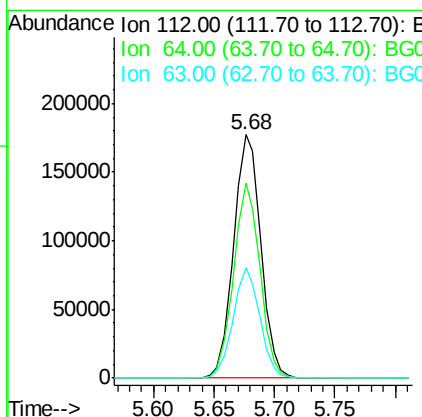
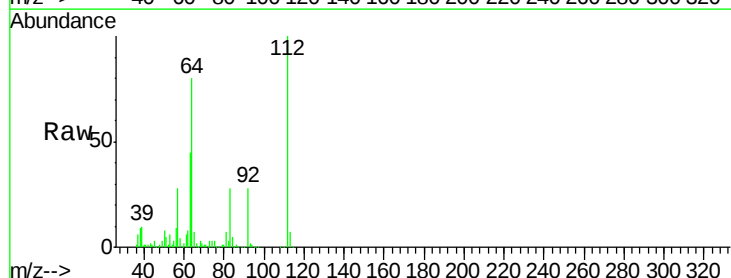
Tot Ion:152 Resp: 36516
Ion Ratio Lower Upper
152 100
150 136.3 120.2 180.2
115 59.4 46.2 69.2

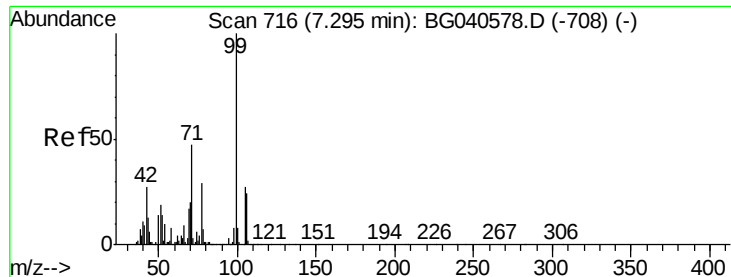


#5

2-Fluorophenol
Concen: 135.027 ng
RT: 5.68 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040680.D
Acq: 30 Apr 2019 20:20

Tgt Ion:112 Resp: 279710
Ion Ratio Lower Upper
112 100
64 80.1 61.4 92.0
63 45.3 37.8 56.6





#7

Phenol-d6

Concen: 115.510 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.01 min

Lab File: BG040680.D

Acq: 30 Apr 2019 20:20

Instrument :

BNA_G

ClientSampled :

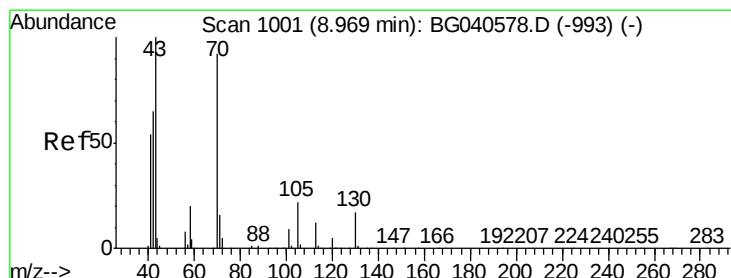
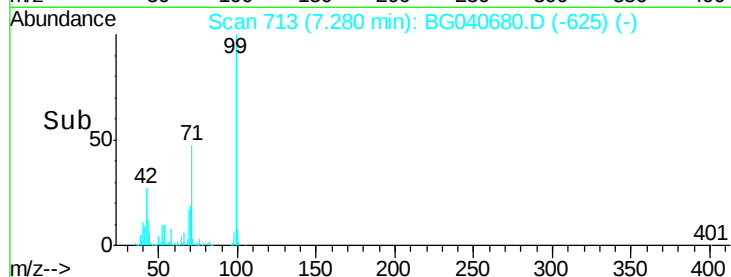
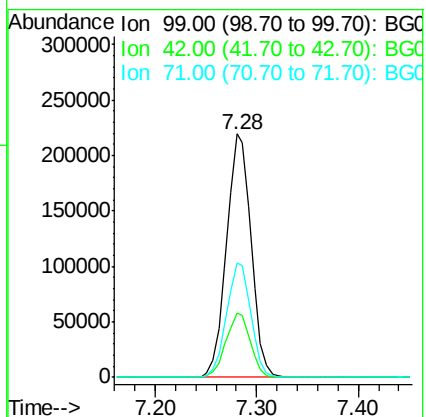
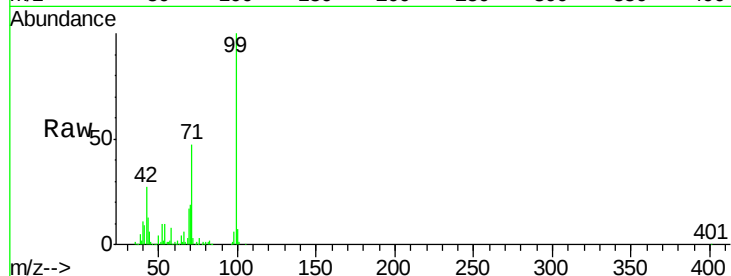
Tot Ion: 99 Resp: 368424

Ion Ratio Lower Upper

99 100

42 26.6 21.8 32.8

71 47.2 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 16.747 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.36 min

Lab File: BG040680.D

Acq: 30 Apr 2019 20:20

Tgt Ion: 70 Resp: 48083

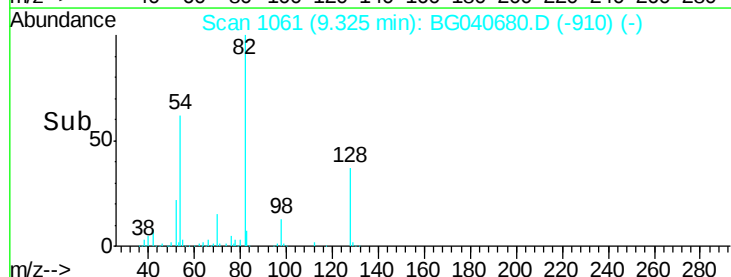
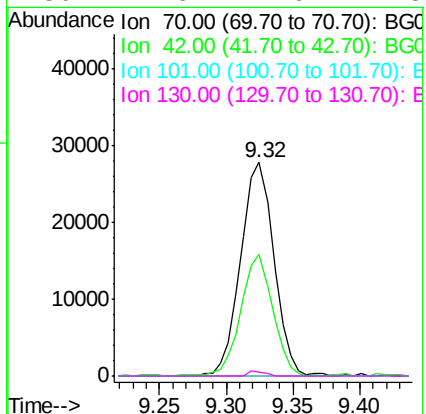
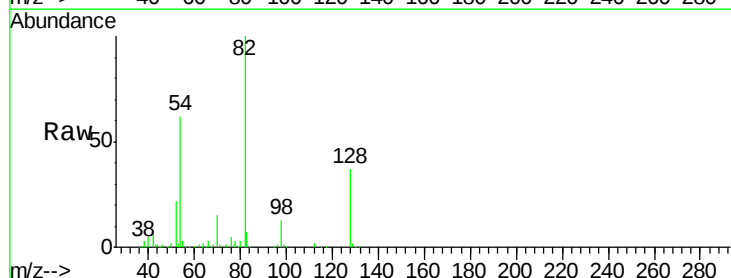
Ion Ratio Lower Upper

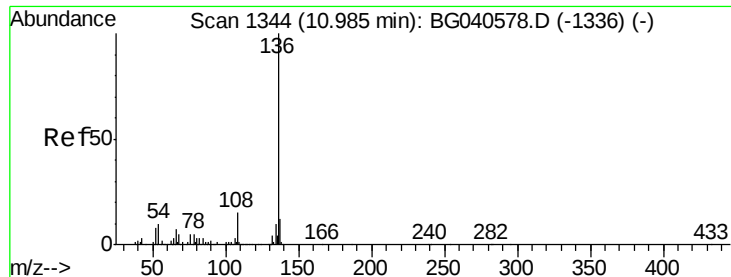
70 100

42 56.9 57.1 85.7#

101 0.0 7.8 11.8#

130 1.6 14.6 21.8#

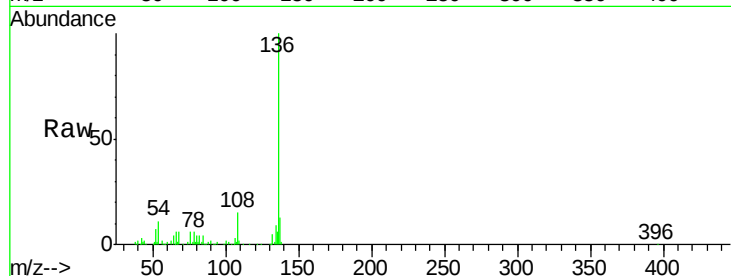




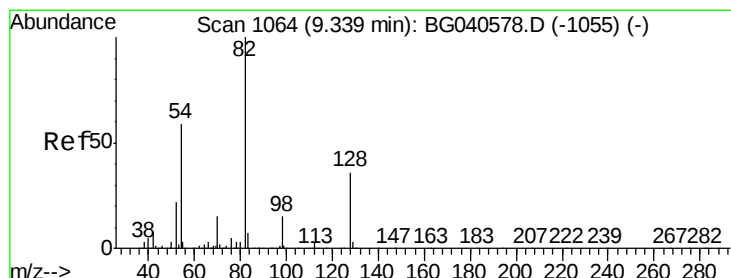
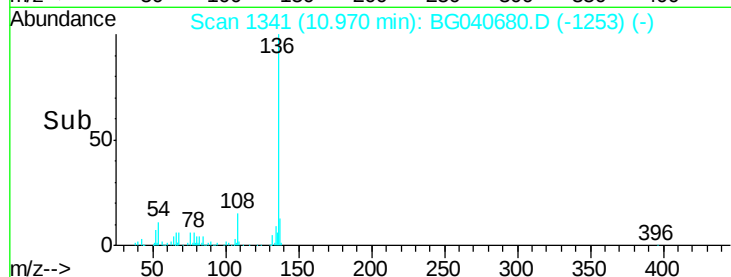
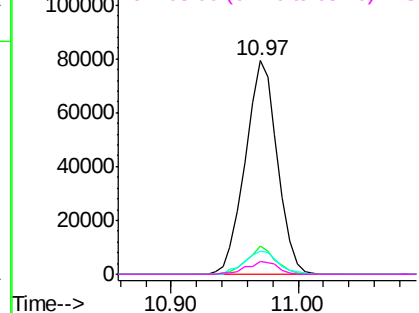
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BG040680.D
Acq: 30 Apr 2019 20:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	138788
Ion	Ratio	Lower Upper
136	100	
137	13.1	9.7 14.5
54	10.6	8.6 12.8
68	6.1	4.8 7.2

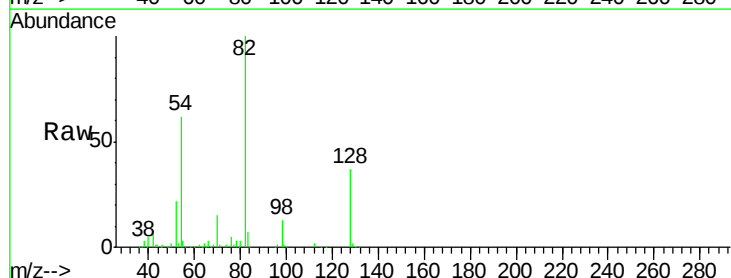


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

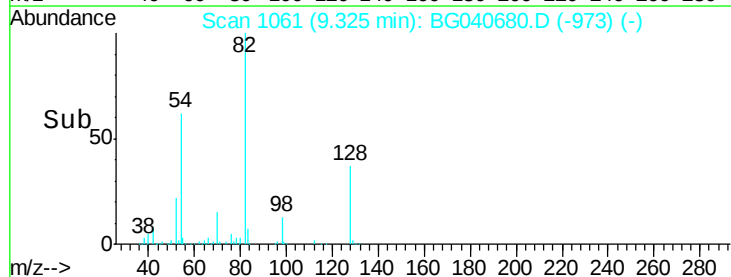
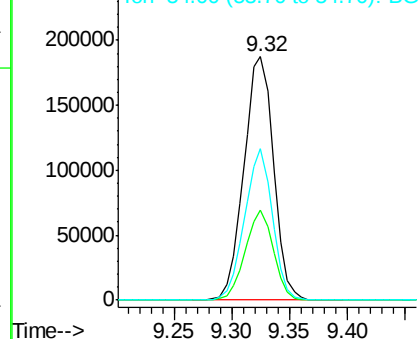


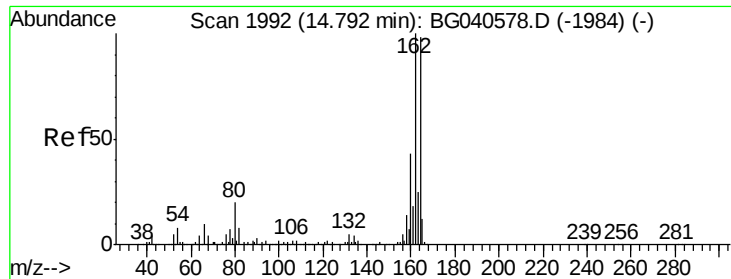
#23
Nitrobenzene-d5
Concen: 111.160 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.01 min
Lab File: BG040680.D
Acq: 30 Apr 2019 20:20

Tgt Ion: 82	Resp:	333887
Ion	Ratio	Lower Upper
82	100	
128	36.9	28.9 43.3
54	62.0	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: 14.78 min Scan# 1989

Delta R.T. -0.01 min

Lab File: BG040680.D

Acq: 30 Apr 2019 20:20

Instrument :

BNA_G

ClientSampleId :

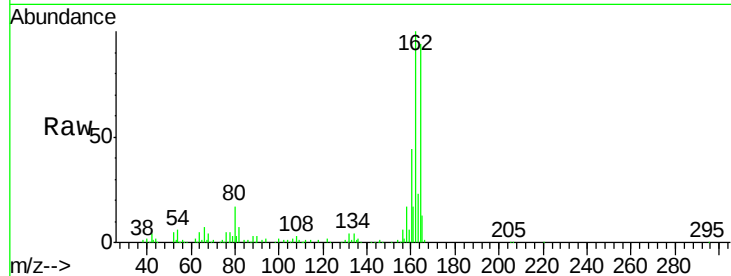
Tot Ion:164 Resp: 98468

Ion Ratio Lower Upper

164 100

162 106.2 81.9 122.9

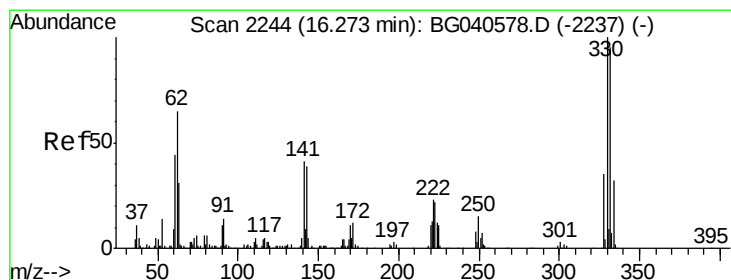
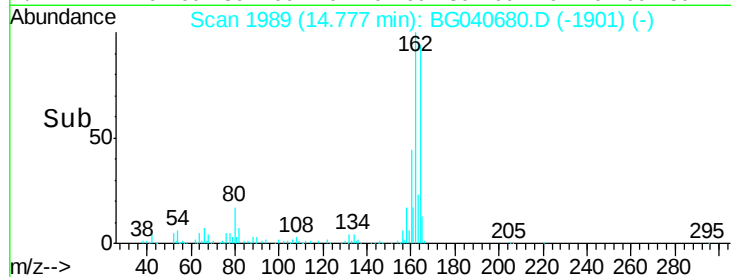
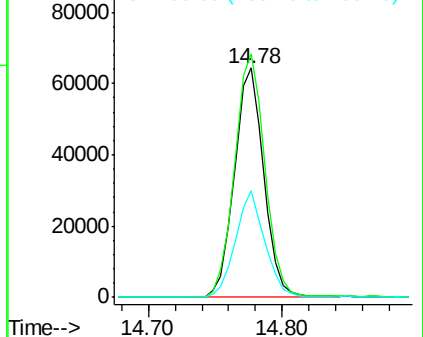
160 46.3 35.4 53.2



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: 173.116 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.01 min

Lab File: BG040680.D

Acq: 30 Apr 2019 20:20

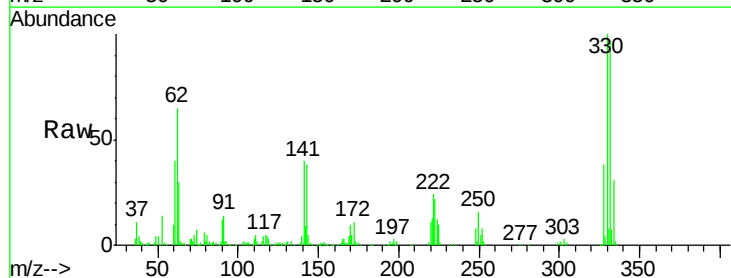
Tgt Ion:330 Resp: 234306

Ion Ratio Lower Upper

330 100

332 97.4 75.9 113.9

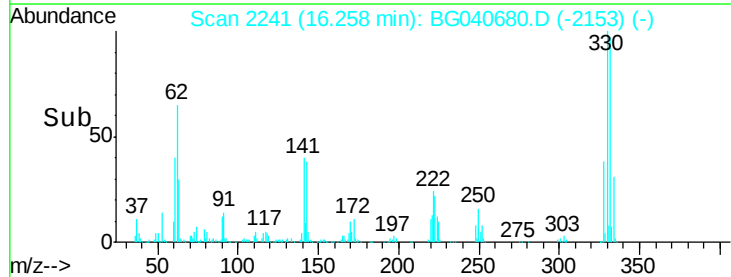
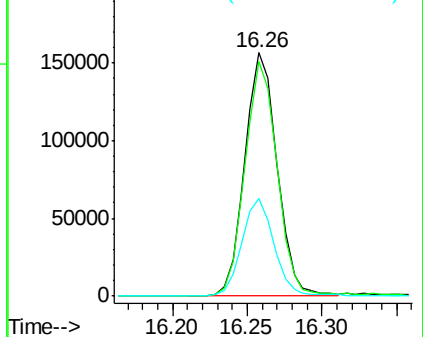
141 40.3 32.4 48.6

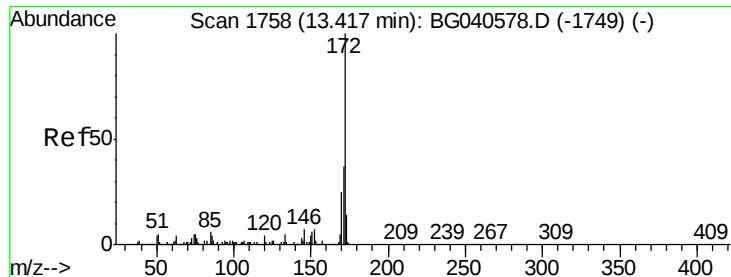


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 101.579 ng

RT: 13.40 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BG040680.D

Acq: 30 Apr 2019 20:20

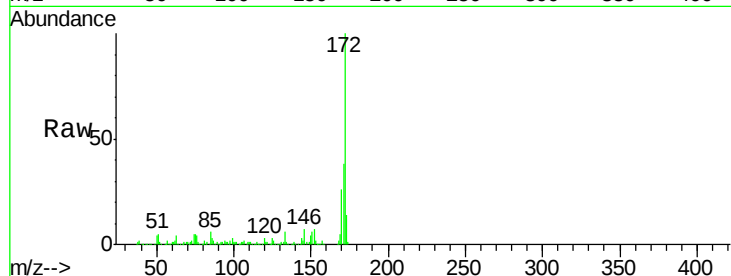
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 692586

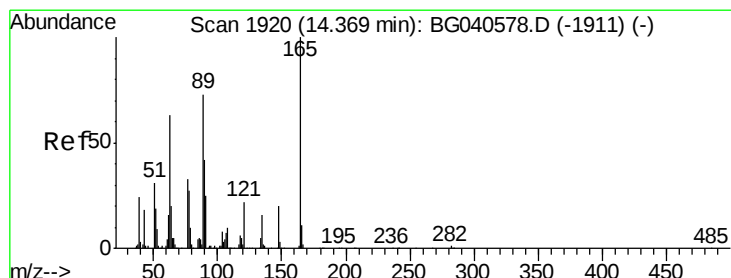
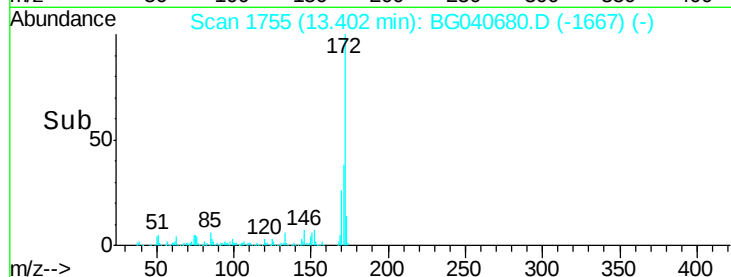
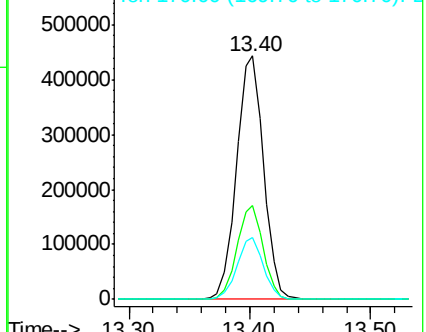
Ion	Ratio	Lower	Upper
172	100		
171	38.5	29.4	44.2
170	25.6	19.9	29.9



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#51

2,6-Dinitrotoluene

Concen: 8.474 ng

RT: 14.78 min Scan# 1989

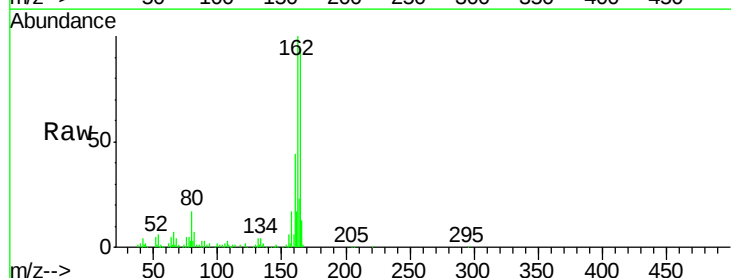
Delta R.T. 0.41 min

Lab File: BG040680.D

Acq: 30 Apr 2019 20:20

Tgt Ion:165 Resp: 13626

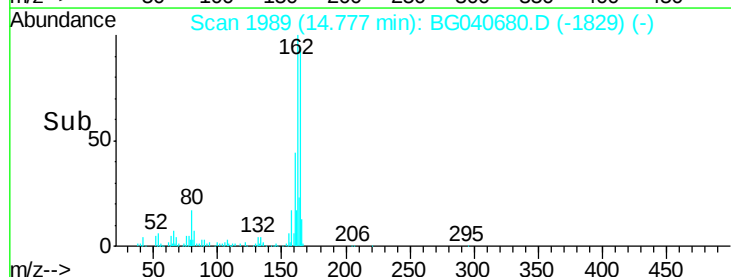
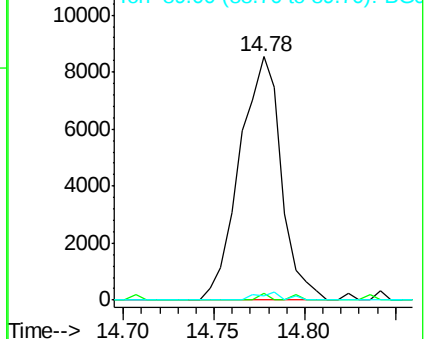
Ion	Ratio	Lower	Upper
165	100		
63	2.7	61.0	91.4#
89	2.0	58.6	87.8#

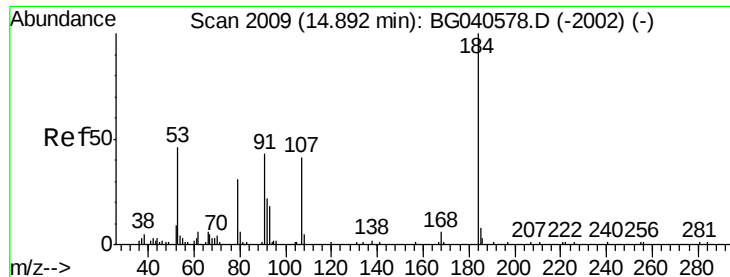


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

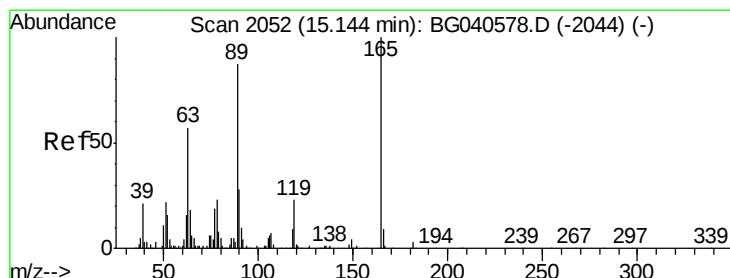
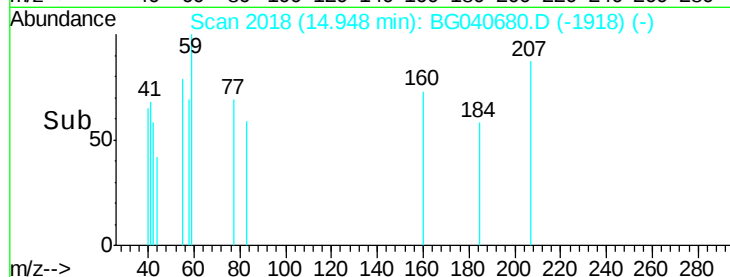
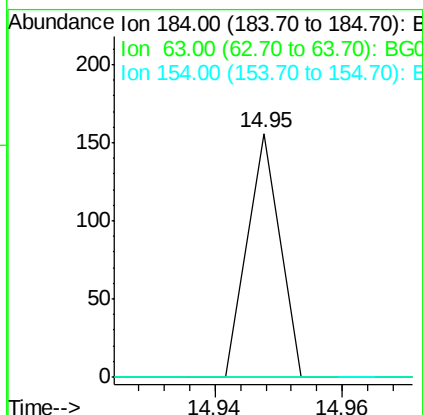
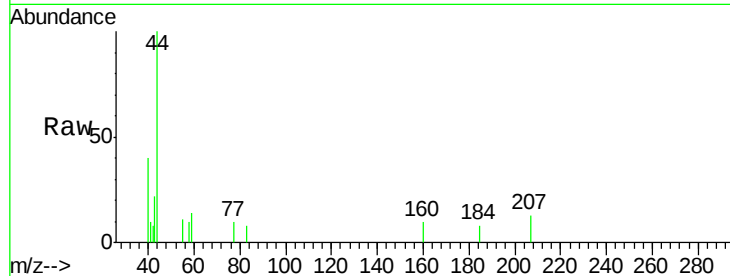




#54
 2,4-Dinitrophenol
 Concen: 7.070 ng
 RT: 14.95 min Scan# 2018
 Delta R.T. 0.06 min
 Lab File: BG040680.D
 Acq: 30 Apr 2019 20:20

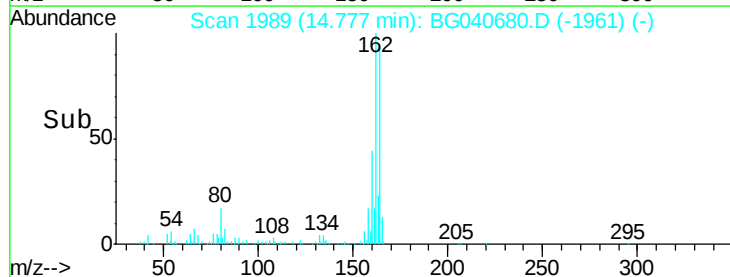
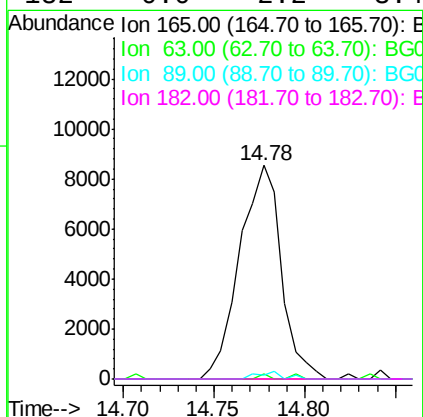
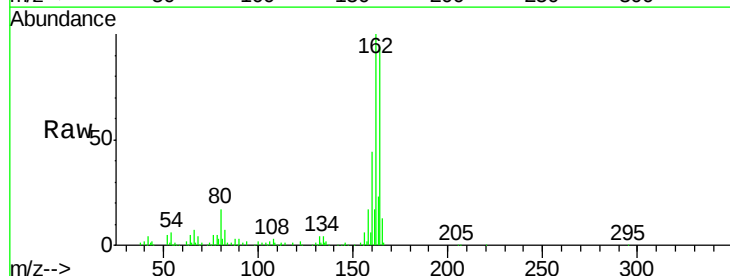
Instrument :
 BNA_G
 ClientSampled :

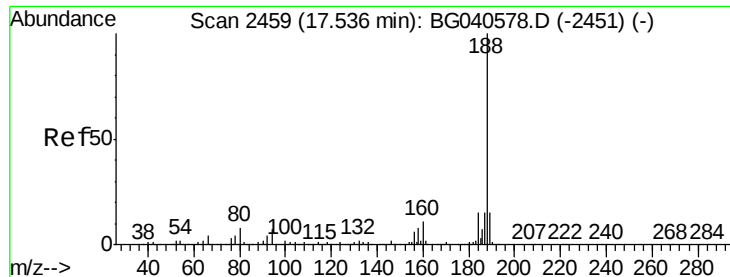
Tot Ion:184 Resp: 55
 Ion Ratio Lower Upper
 184 100
 63 0.0 51.8 77.6#
 154 0.0 43.6 65.4#



#57
 2,4-Dinitrotoluene
 Concen: 6.236 ng
 RT: 14.78 min Scan# 1989
 Delta R.T. -0.37 min
 Lab File: BG040680.D
 Acq: 30 Apr 2019 20:20

Tgt Ion:165 Resp: 13626
 Ion Ratio Lower Upper
 165 100
 63 2.7 45.8 68.8#
 89 2.0 69.4 104.2#
 182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.52 min Scan# 2455

Delta R.T. -0.02 min

Lab File: BG040680.D

Acq: 30 Apr 2019 20:20

Instrument :

BNA_G

ClientSampled :

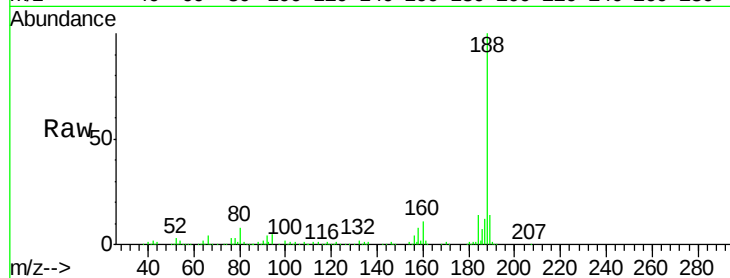
Tot Ion:188 Resp: 283691

Ion Ratio Lower Upper

188 100

94 5.4 5.6 8.4#

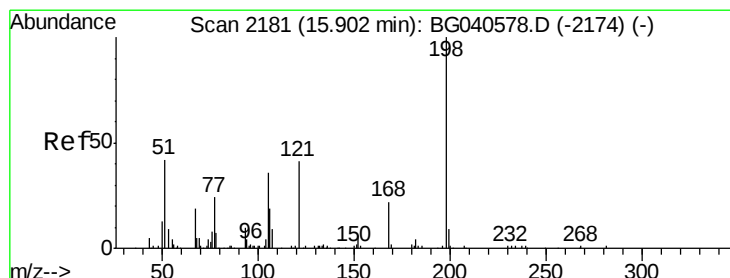
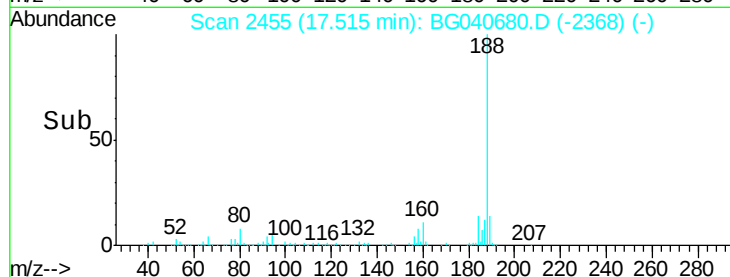
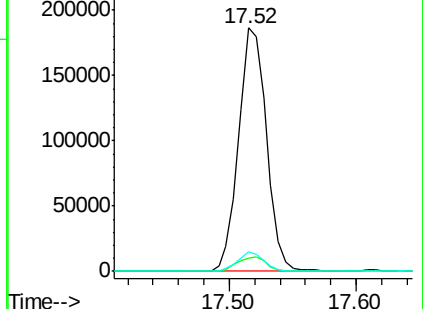
80 7.8 6.4 9.6



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: 7.440 ng

RT: 16.26 min Scan# 2241

Delta R.T. 0.36 min

Lab File: BG040680.D

Acq: 30 Apr 2019 20:20

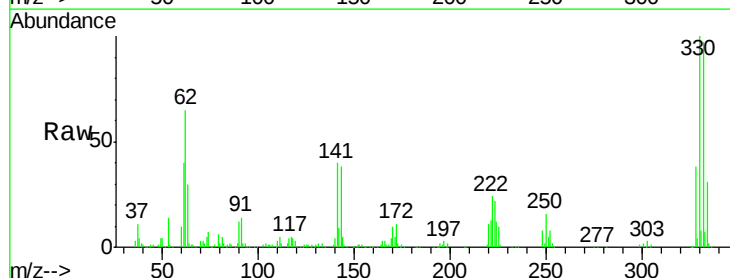
Tgt Ion:198 Resp: 556

Ion Ratio Lower Upper

198 100

51 92.6 35.9 75.9#

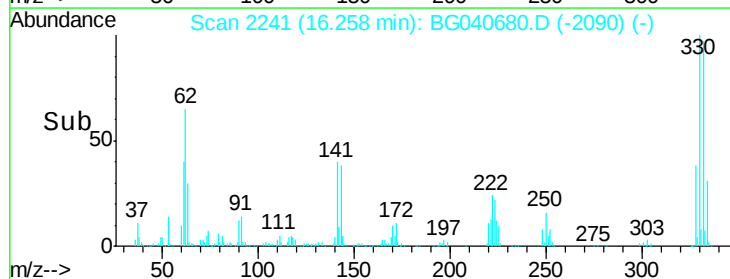
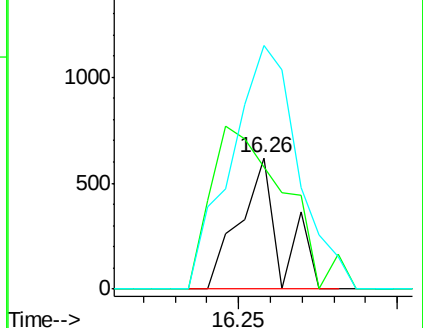
105 185.8 21.2 61.2#

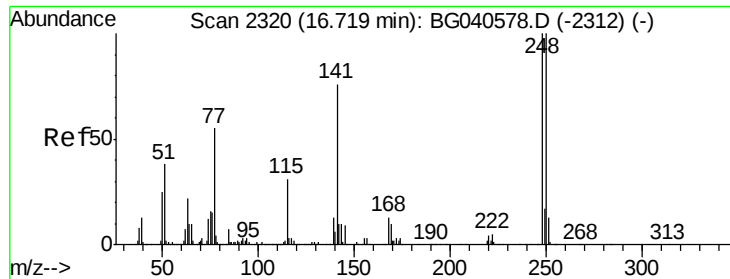


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

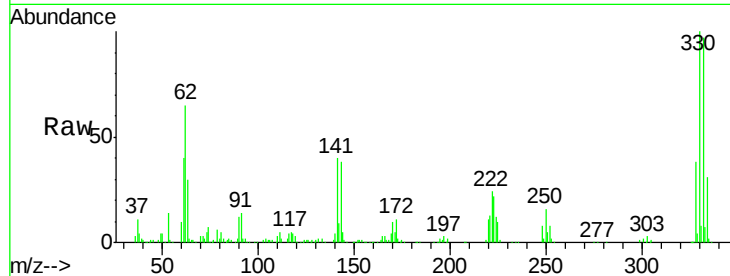




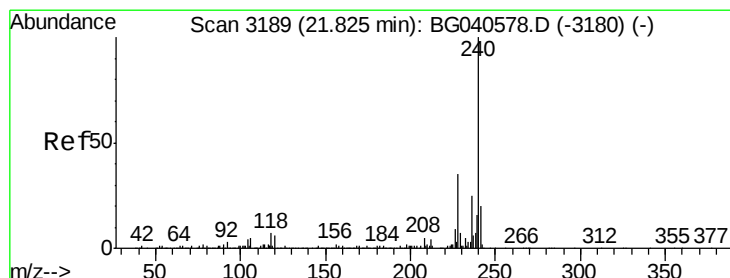
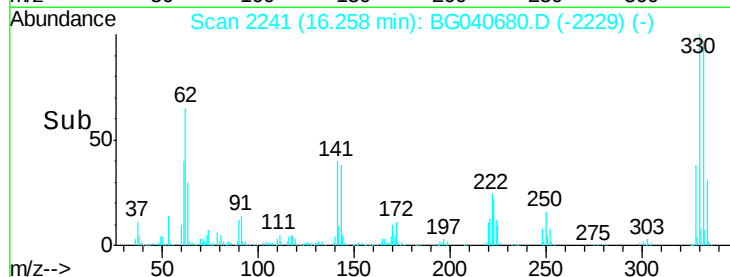
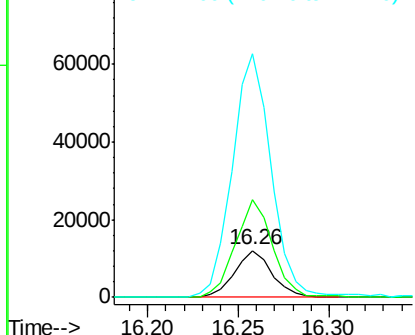
#67
 4-Bromophenyl-phenylether
 Concen: 4.909 ng
 RT: 16.26 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040680.D
 Acq: 30 Apr 2019 20:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 17350
 Ion Ratio Lower Upper
 248 100
 250 207.1 79.8 119.6#
 141 519.2 60.8 91.2#

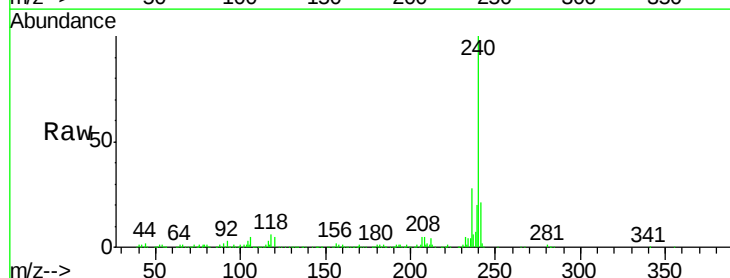


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

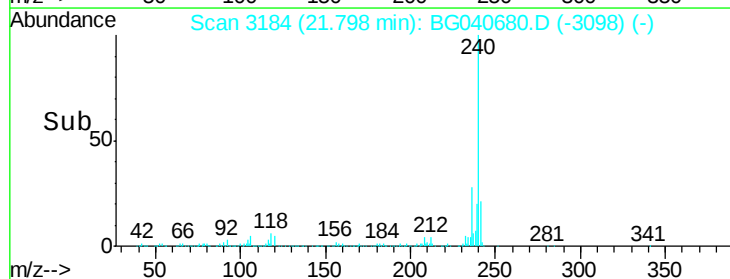
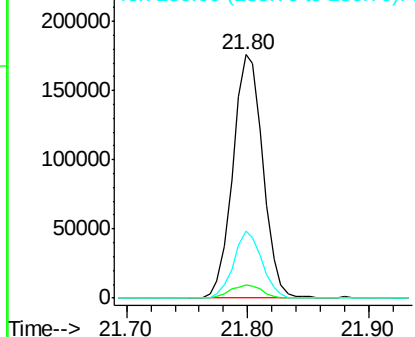


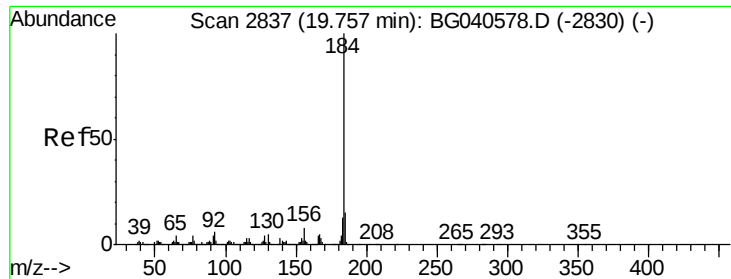
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3184
 Delta R.T. -0.03 min
 Lab File: BG040680.D
 Acq: 30 Apr 2019 20:20

Tgt Ion:240 Resp: 305297
 Ion Ratio Lower Upper
 240 100
 120 5.3 5.0 7.6
 236 27.6 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: 3.379 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.36 min

Lab File: BG040680.D

Acq: 30 Apr 2019 20:20

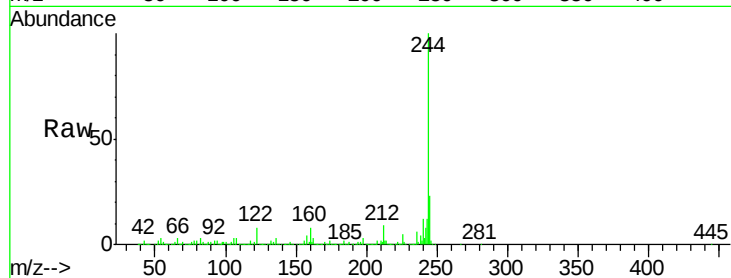
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 28244

Ion	Ratio	Lower	Upper
184	100		
185	16.6	11.8	17.8
183	9.2	10.2	15.2

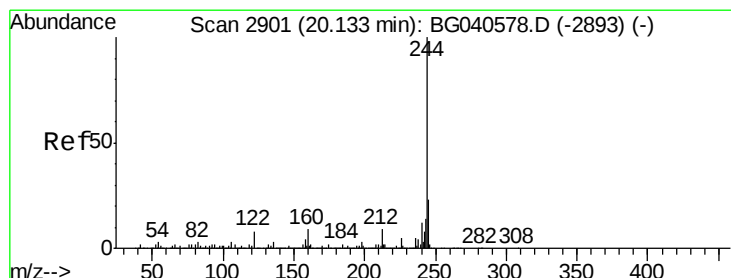
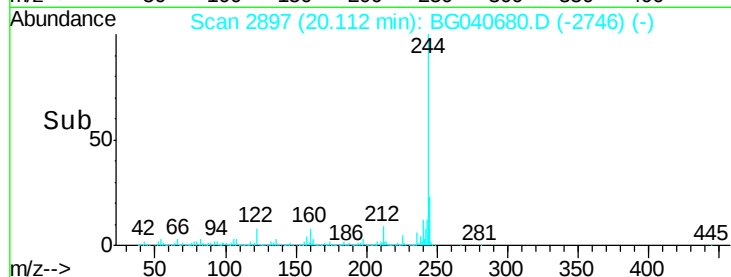
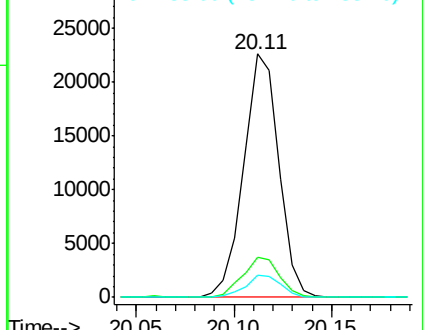


Abundance

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: 110.153 ng

RT: 20.11 min Scan# 2897

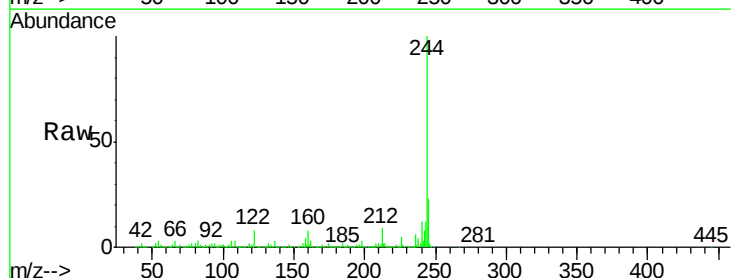
Delta R.T. -0.02 min

Lab File: BG040680.D

Acq: 30 Apr 2019 20:20

Tgt Ion:244 Resp: 1517972

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.2	10.8
122	7.8	6.6	10.0

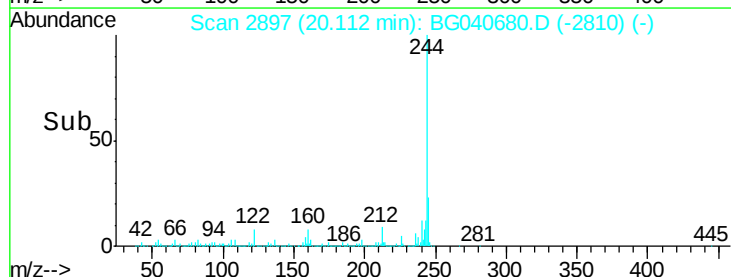
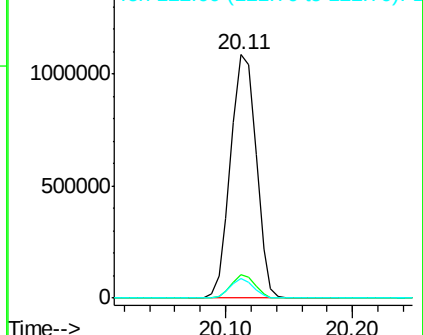


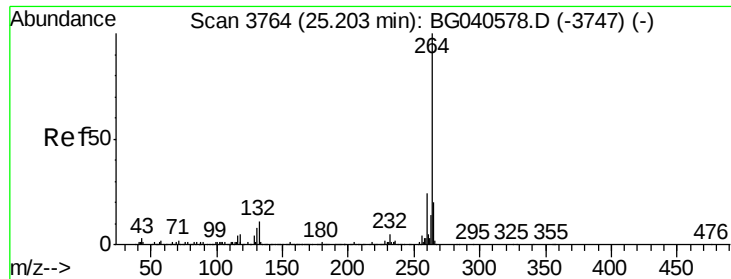
Abundance

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

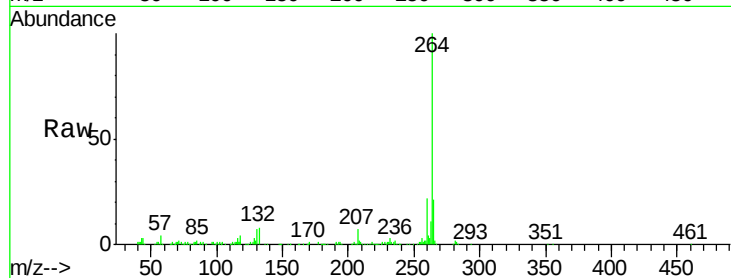




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.15 min Scan# 3755
 Delta R.T. -0.05 min
 Lab File: BG040680.D
 Acq: 30 Apr 2019 20:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.8	19.2	28.8
265	20.9	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

