

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012119\
 Data File : BG039231.D
 Acq On : 21 Jan 2019 13:23
 Operator : JU/SJ
 Sample : PB116511BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB116511BL

Quant Time: Jan 21 13:59:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 18 04:20:14 2019
 Response via : Initial Calibration

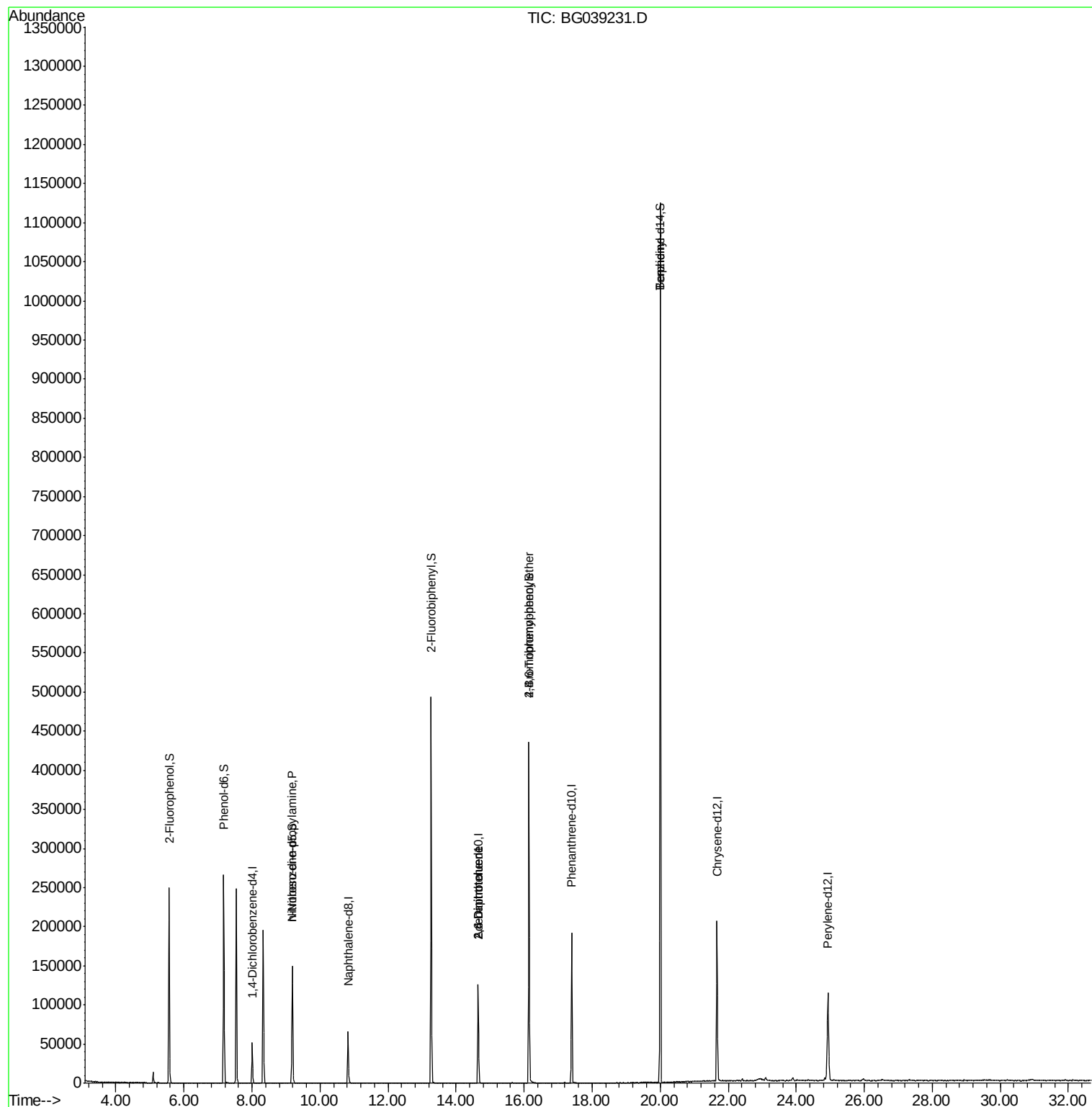
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	16078	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	63660	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	47970	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	129338	20.00	ng	0.00
76) Chrysene-d12	21.67	240	135921	20.00	ng	0.00
87) Perylene-d12	24.93	264	141883	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	110654	130.56	ng	0.00
7) Phenol-d6	7.17	99	154272	126.48	ng	0.00
23) Nitrobenzene-d5	9.19	82	90233	77.56	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	95394	118.63	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	275028	78.46	ng	0.00
79) Terphenyl-d14	20.00	244	562737	76.59	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	11940	14.907	ng	# 67
51) 2,6-Dinitrotoluene	14.65	165	6076	6.704	ng	# 24
57) 2,4-Dinitrotoluene	14.65	165	6076	4.673	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	6230	3.747	ng	# 1
77) Benzidine	20.00	184	8891	2.139	ng	# 96

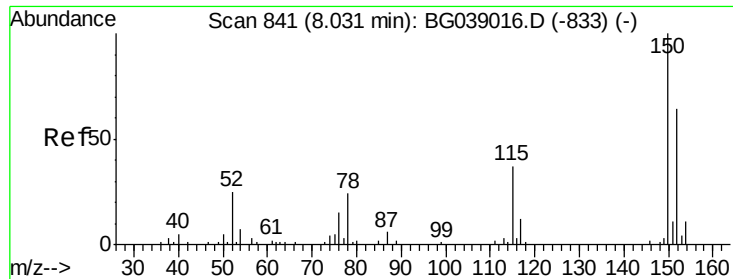
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012119\
Data File : BG039231.D
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Quant Time: Jan 21 13:59:19 2019
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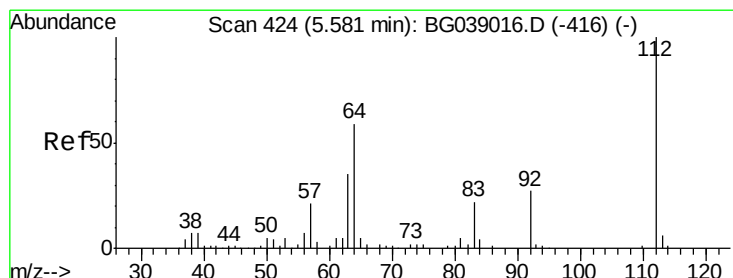
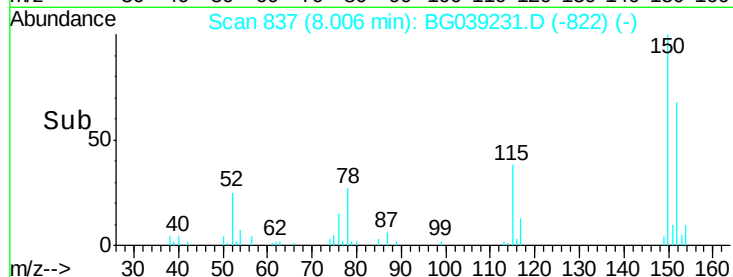
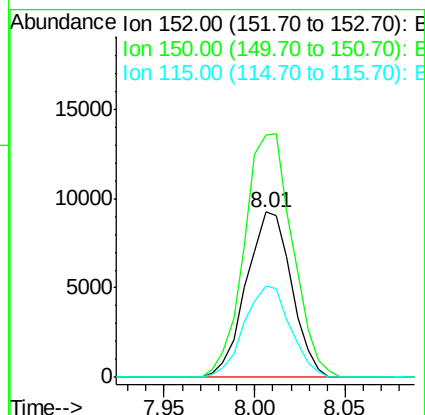
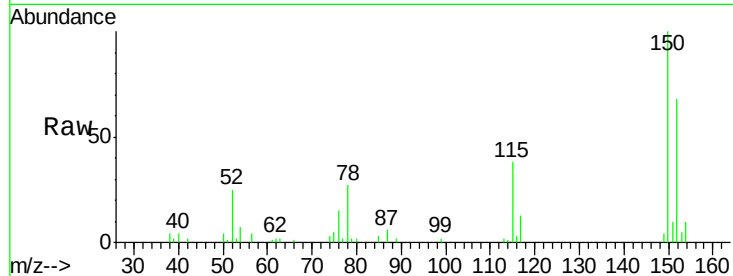


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG039231.D
Acq: 21 Jan 2019 13:23

Instrument :
BNA_G
ClientSampleId :
PB116511BL

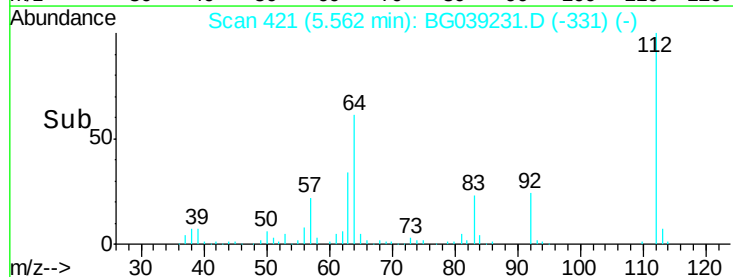
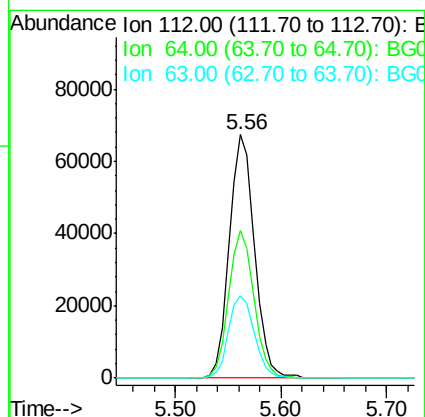
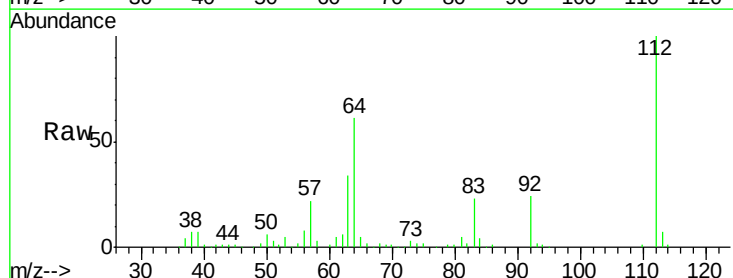
Tgt Ion:152 Resp: 16078
Ion Ratio Lower Upper
152 100
150 146.5 124.7 187.1
115 55.2 46.5 69.7

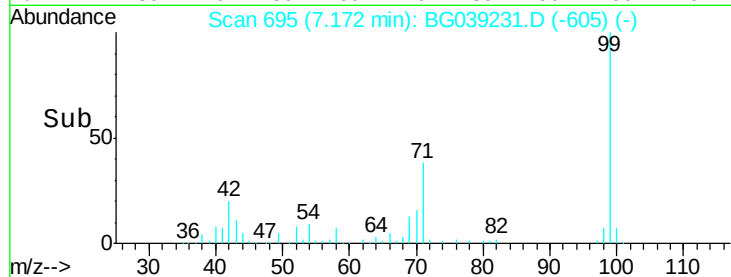
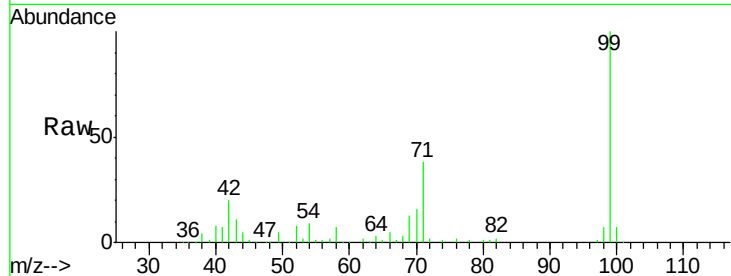
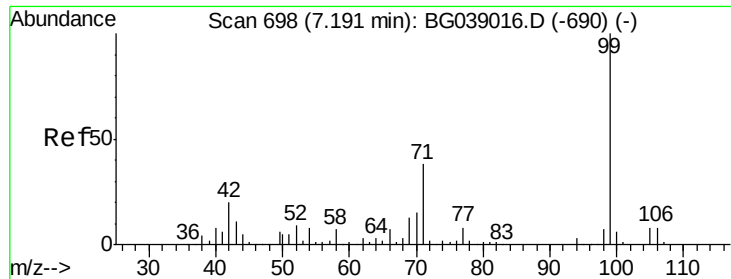


#5

2-Fluorophenol
Concen: 130.556 ng
RT: 5.56 min Scan# 421
Delta R.T. -0.00 min
Lab File: BG039231.D
Acq: 21 Jan 2019 13:23

Tgt Ion:112 Resp: 110654
Ion Ratio Lower Upper
112 100
64 60.7 47.0 70.6
63 33.9 28.0 42.0





#7

Phenol-d6

Concen: 126.479 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG039231.D

Acq: 21 Jan 2019 13:23

Instrument :

BNA_G

ClientSampleId :

PB116511BL

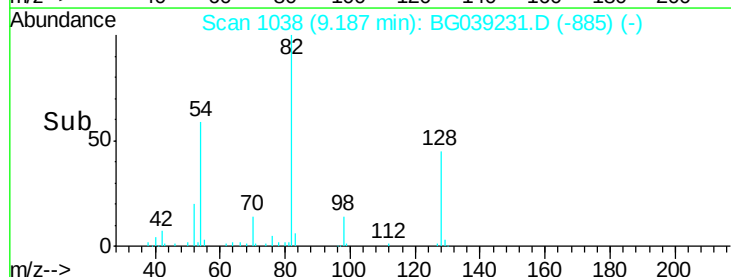
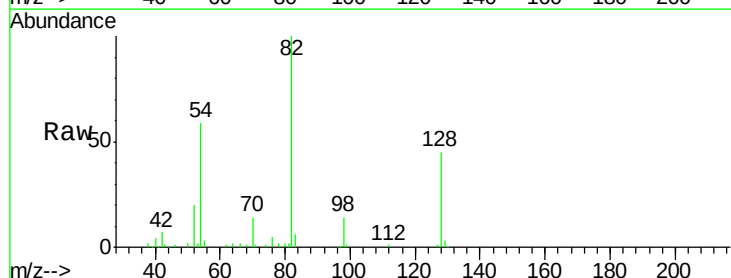
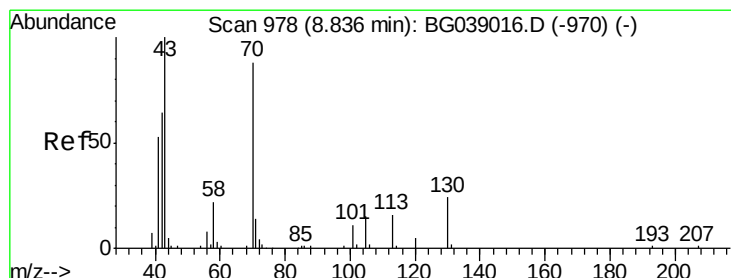
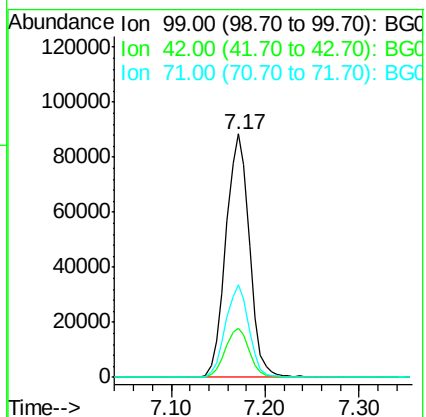
Tgt Ion: 99 Resp: 154272

Ion Ratio Lower Upper

99 100

42 20.3 15.8 23.6

71 38.3 30.2 45.4



#19

n-Nitroso-di-n-propylamine

Concen: 14.907 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.37 min

Lab File: BG039231.D

Acq: 21 Jan 2019 13:23

Tgt Ion: 70 Resp: 11940

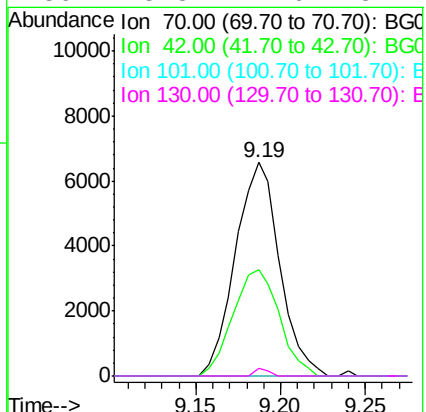
Ion Ratio Lower Upper

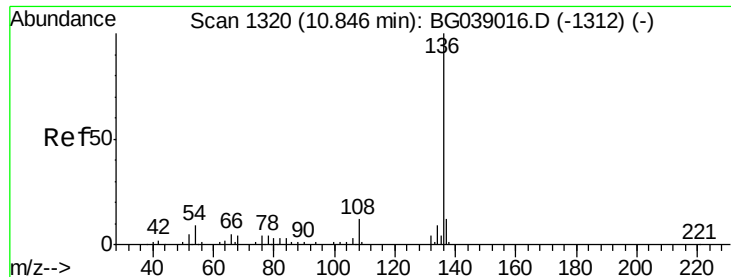
70 100

42 49.7 59.0 88.4#

101 0.0 10.4 15.6#

130 3.3 21.6 32.4#

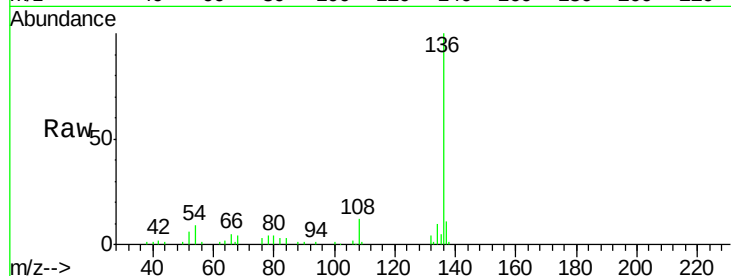




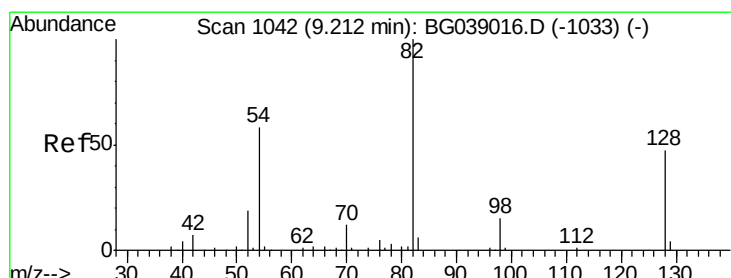
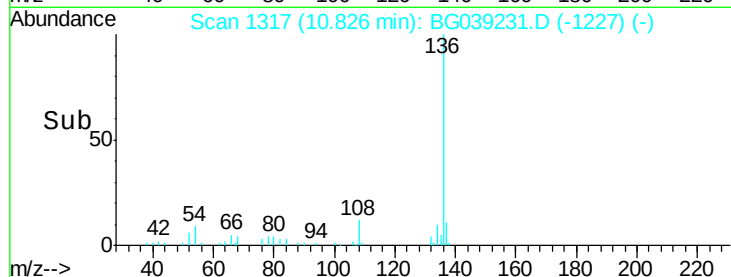
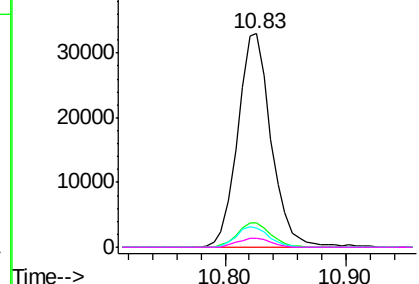
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG039231.D
Acq: 21 Jan 2019 13:23

Instrument :
BNA_G
ClientSampleId :
PB116511BL

Tgt Ion:	136	Resp:	63660
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.4	14.2
54	9.1	7.2	10.8
68	4.1	3.5	5.3

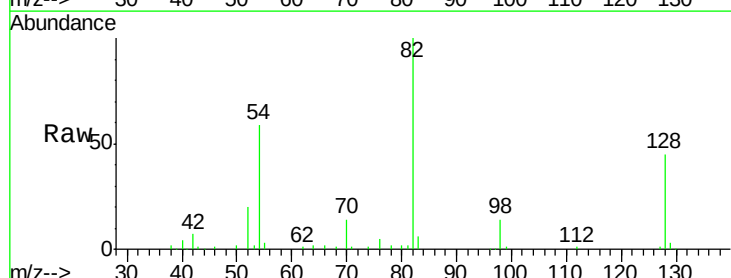


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

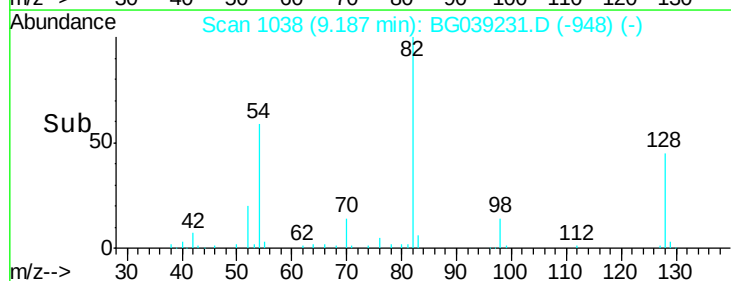
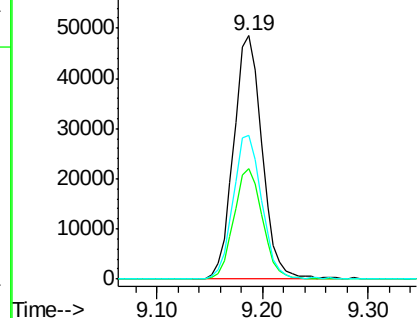


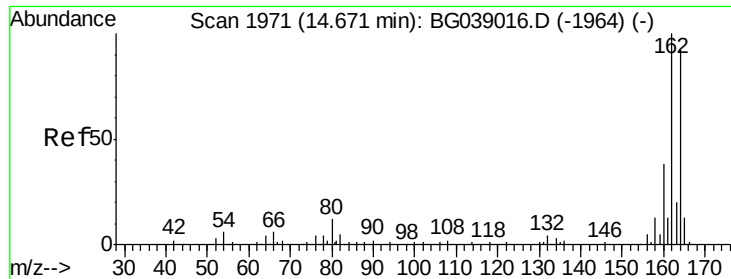
#23
Nitrobenzene-d5
Concen: 77.561 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG039231.D
Acq: 21 Jan 2019 13:23

Tgt Ion:	82	Resp:	90233
Ion	Ratio	Lower	Upper
82	100		
128	45.2	37.3	55.9
54	59.2	46.4	69.6



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: 14.65 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG039231.D

Acq: 21 Jan 2019 13:23

Instrument :

BNA_G

ClientSampleId :

PB116511BL

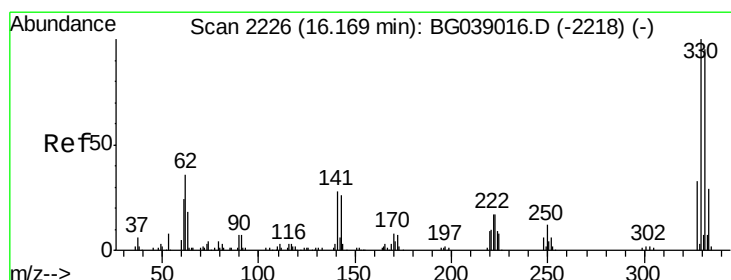
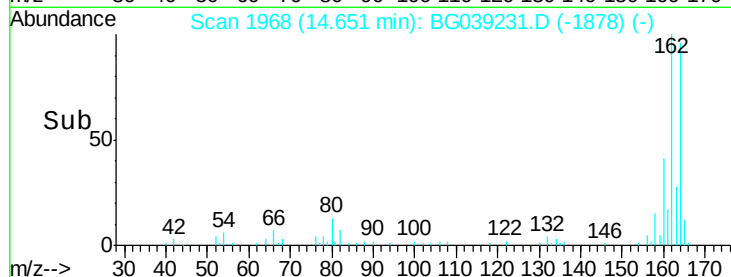
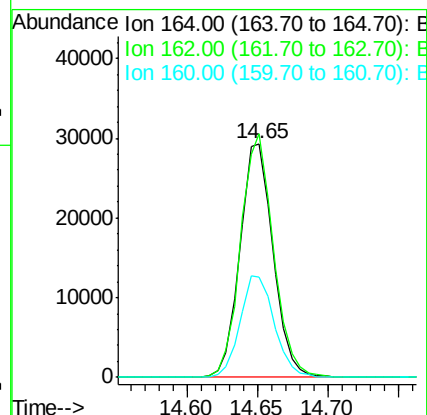
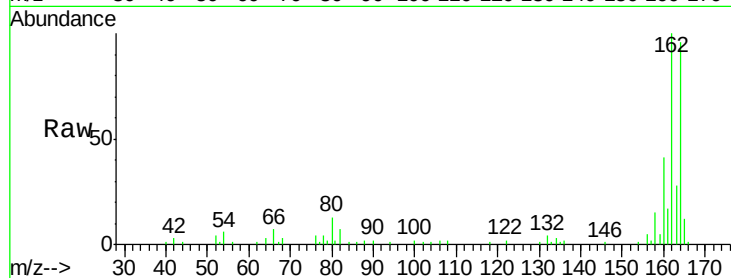
Tgt Ion:164 Resp: 47970

Ion Ratio Lower Upper

164 100

162 104.1 87.2 130.8

160 42.9 33.3 49.9



#42

2,4,6-Tribromophenol

Concen: 118.633 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BG039231.D

Acq: 21 Jan 2019 13:23

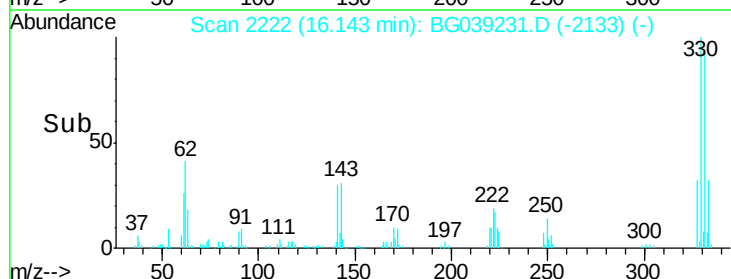
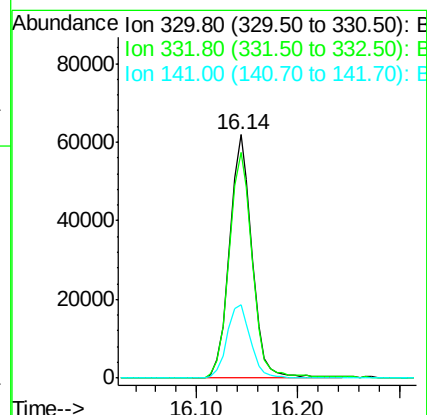
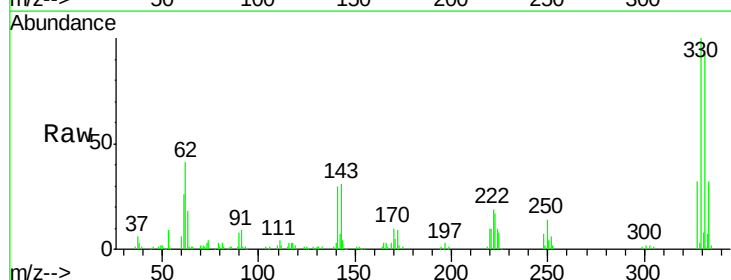
Tgt Ion:330 Resp: 95394

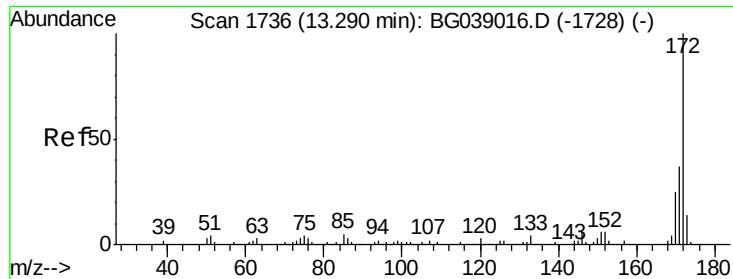
Ion Ratio Lower Upper

330 100

332 96.8 75.7 113.5

141 31.8 24.9 37.3

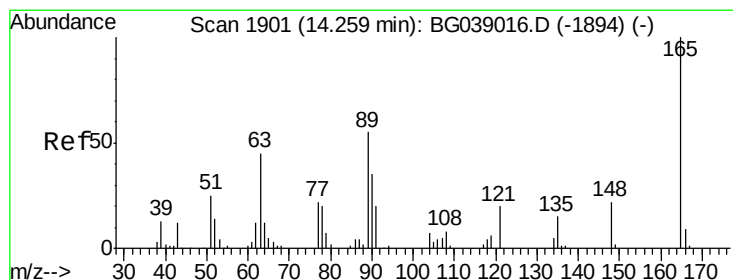
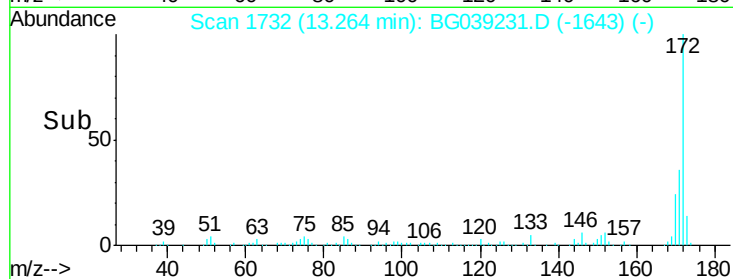
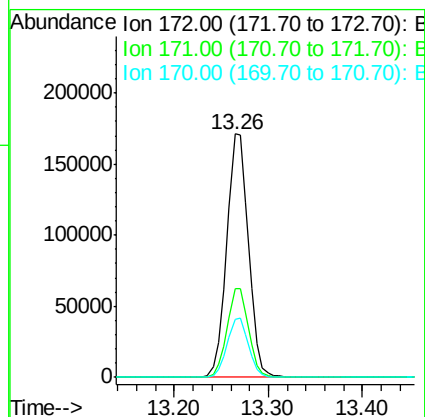
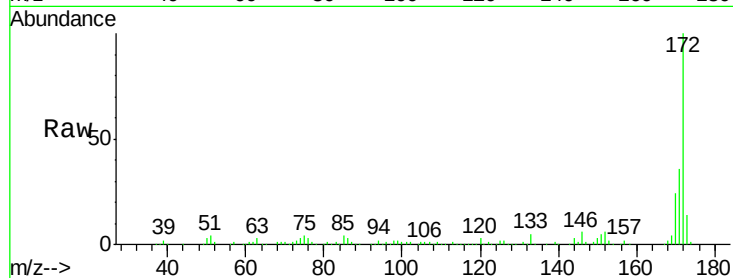




#45
 2-Fluorobiphenyl
 Concen: 78.464 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.01 min
 Lab File: BG039231.D
 Acq: 21 Jan 2019 13:23

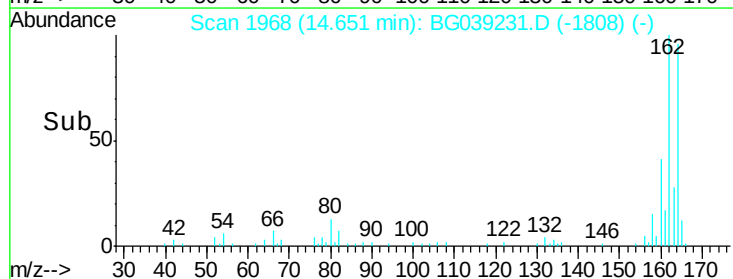
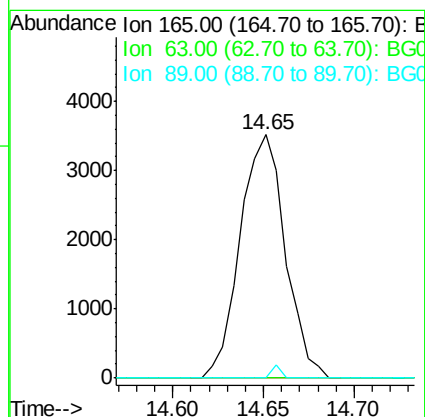
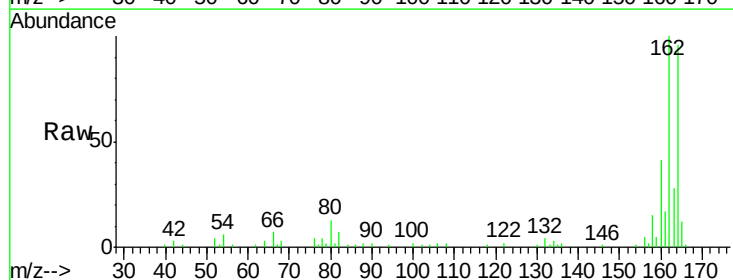
Instrument :
 BNA_G
 ClientSampleId :
 PB116511BL

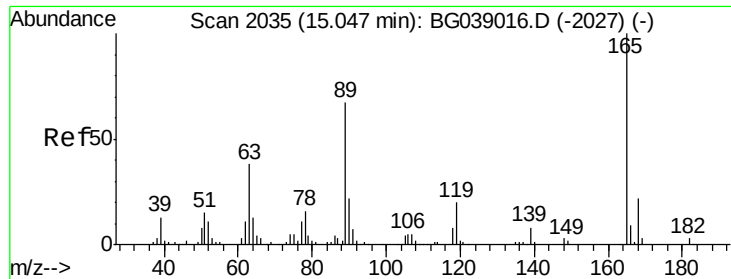
Tgt Ion:172 Resp: 275028
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.4 44.0
 170 23.7 20.1 30.1



#51
 2,6-Dinitrotoluene
 Concen: 6.704 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. 0.41 min
 Lab File: BG039231.D
 Acq: 21 Jan 2019 13:23

Tgt Ion:165 Resp: 6076
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.6 65.4#
 89 0.0 43.7 65.5#





#57

2,4-Dinitrotoluene

Concen: 4.673 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.38 min

Lab File: BG039231.D

Acq: 21 Jan 2019 13:23

Instrument :

BNA_G

ClientSampleId :

PB116511BL

Tgt Ion:165 Resp: 6076

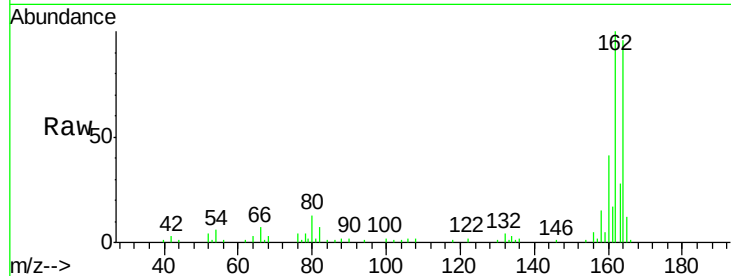
Ion Ratio Lower Upper

165 100

63 0.0 30.2 45.4#

89 0.0 53.2 79.8#

182 0.0 2.7 4.1#

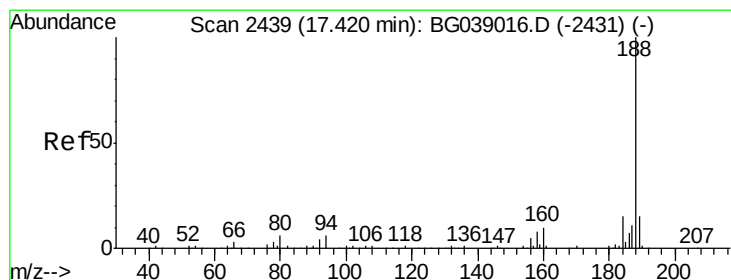
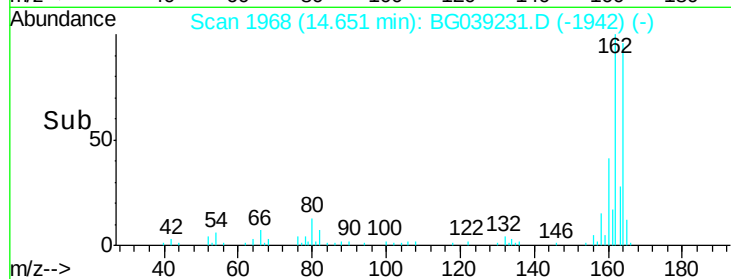
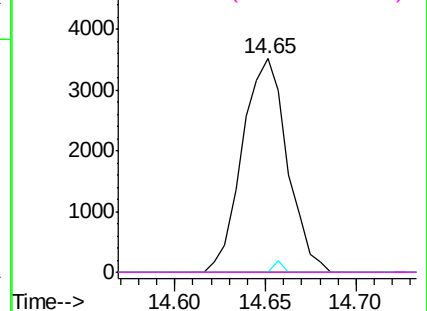


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.40 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BG039231.D

Acq: 21 Jan 2019 13:23

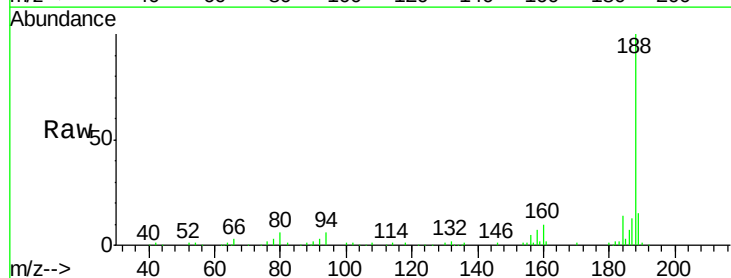
Tgt Ion:188 Resp: 129338

Ion Ratio Lower Upper

188 100

94 5.6 5.0 7.4

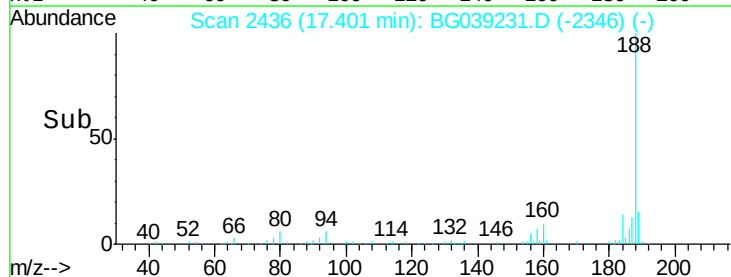
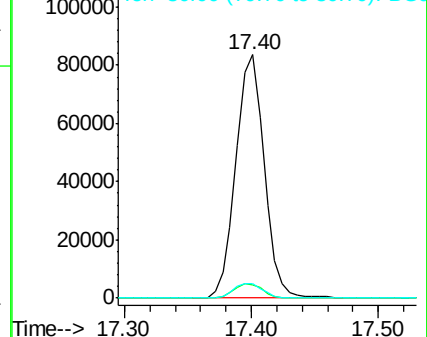
80 5.8 4.7 7.1

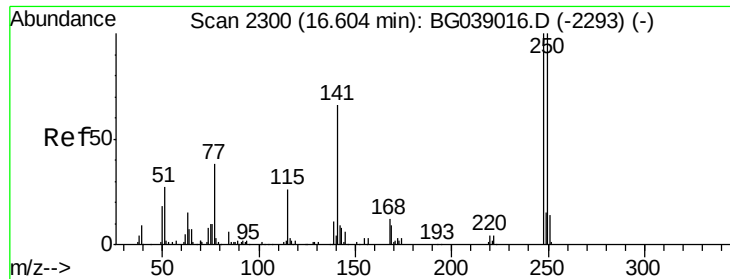


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

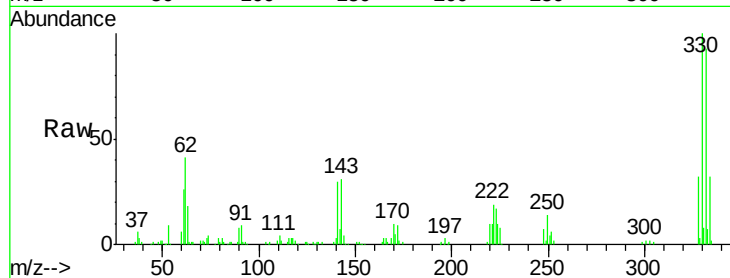




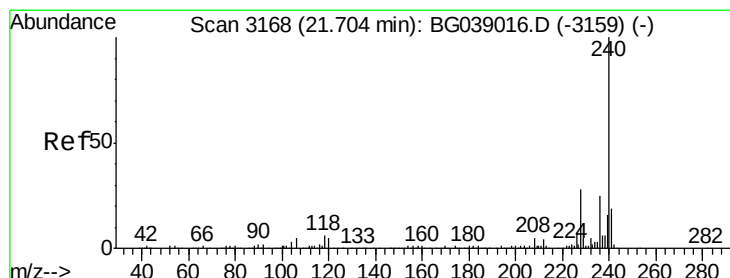
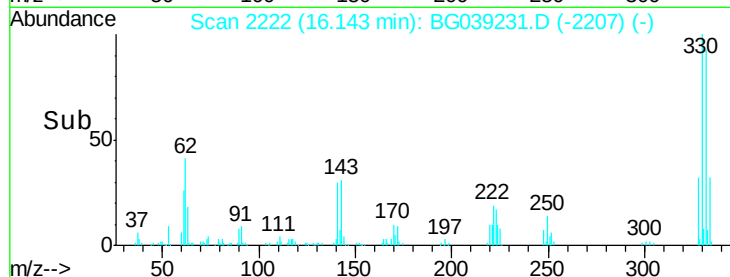
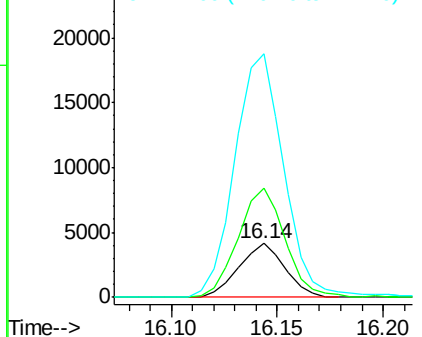
#67
 4-Bromophenyl-phenylether
 Concen: 3.747 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.44 min
 Lab File: BG039231.D
 Acq: 21 Jan 2019 13:23

Instrument :
 BNA_G
 ClientSampleId :
 PB116511BL

Tgt Ion:248 Resp: 6230
 Ion Ratio Lower Upper
 248 100
 250 204.5 79.9 119.9#
 141 357.3 52.7 79.1#

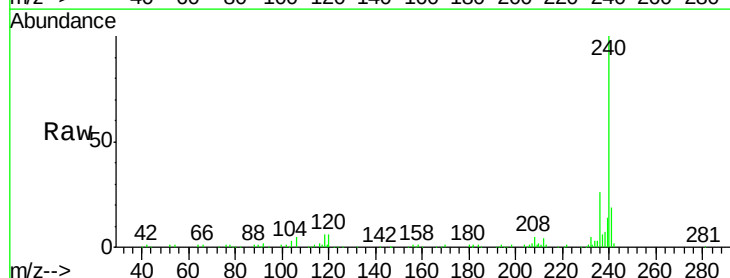


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

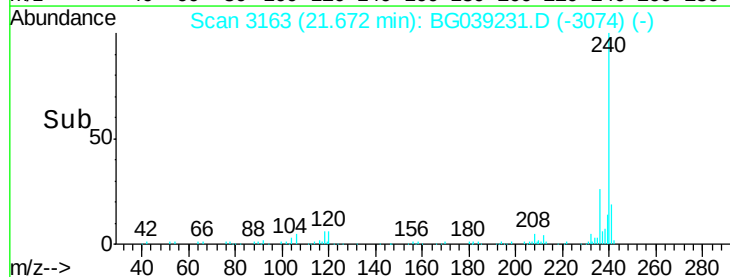
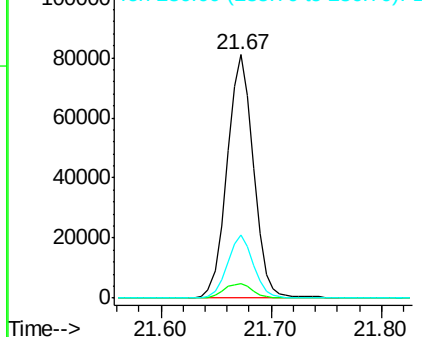


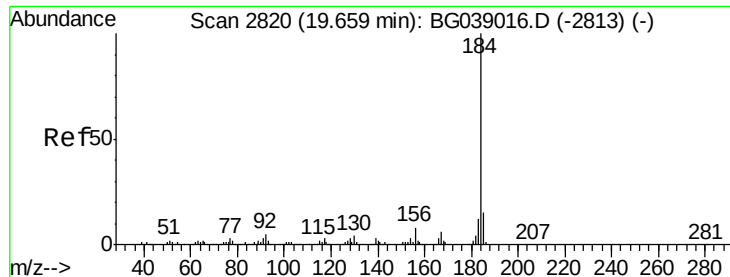
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3163
 Delta R.T. -0.01 min
 Lab File: BG039231.D
 Acq: 21 Jan 2019 13:23

Tgt Ion:240 Resp: 135921
 Ion Ratio Lower Upper
 240 100
 120 5.9 4.3 6.5
 236 25.7 20.1 30.1



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

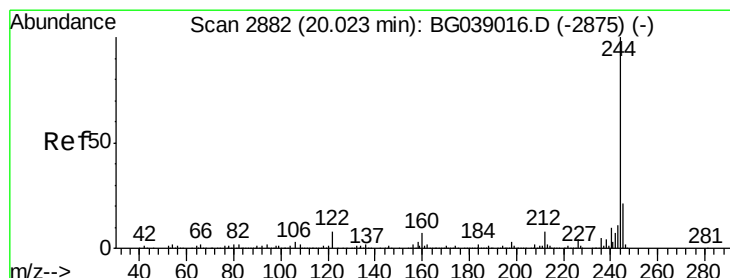
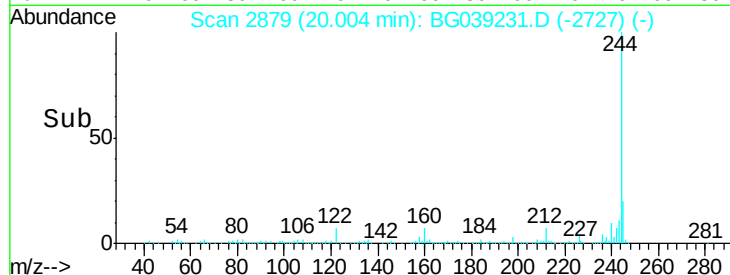
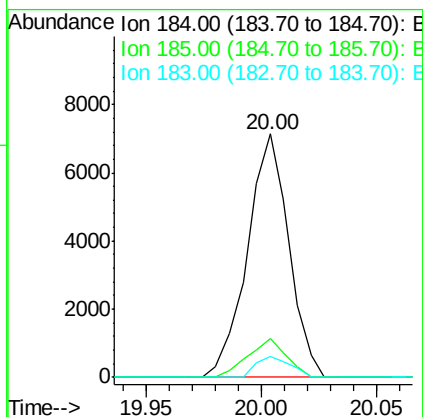
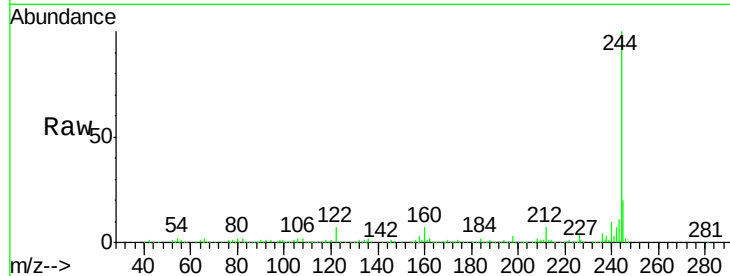




#77
Benzidine
Concen: 2.139 ng
RT: 20.00 min Scan# 2879
Delta R.T. 0.36 min
Lab File: BG039231.D
Acq: 21 Jan 2019 13:23

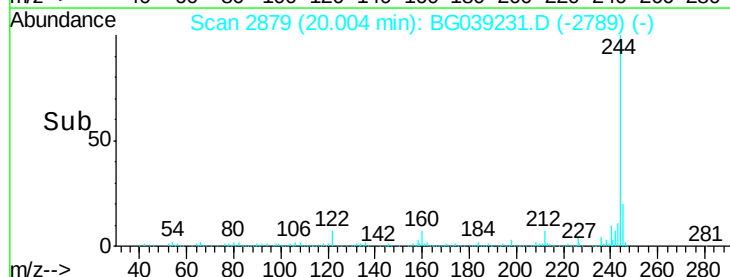
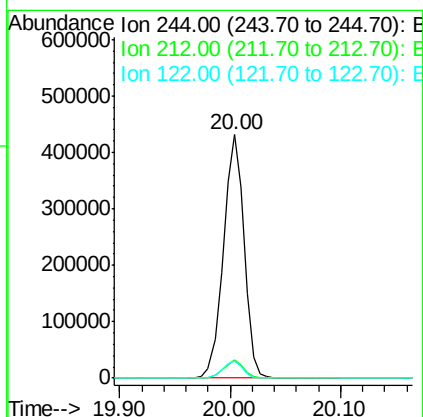
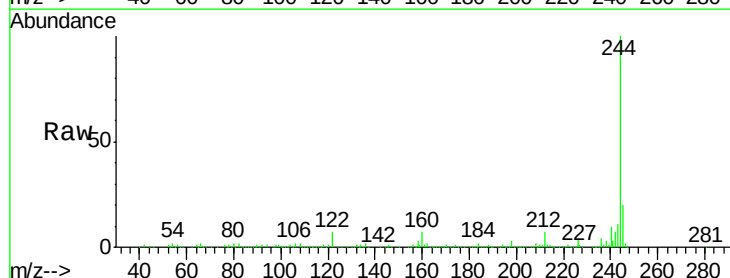
Instrument :
BNA_G
ClientSampleId :
PB116511BL

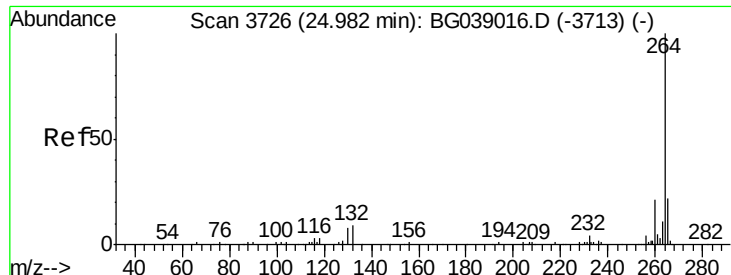
Tgt Ion:184 Resp: 8891
Ion Ratio Lower Upper
184 100
185 15.7 12.1 18.1
183 8.7 9.5 14.3#



#79
Terphenyl-d14
Concen: 76.589 ng
RT: 20.00 min Scan# 2879
Delta R.T. -0.00 min
Lab File: BG039231.D
Acq: 21 Jan 2019 13:23

Tgt Ion:244 Resp: 562737
Ion Ratio Lower Upper
244 100
212 7.4 6.1 9.1
122 6.8 6.1 9.1

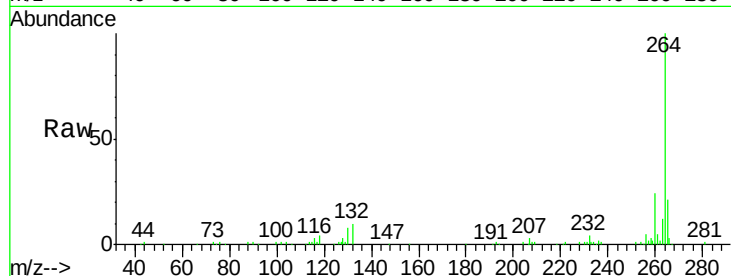




#87
Perylene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3718
Delta R.T. -0.02 min
Lab File: BG039231.D
Acq: 21 Jan 2019 13:23

Instrument :
BNA_G
ClientSampleId :
PB116511BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.0	25.6
265	20.9	17.2	25.8



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

