

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG012519\
 Data File : BG039303.D
 Acq On : 26 Jan 2019 9:06
 Operator : JU/SJ
 Sample : K1229-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 012319-TIPC-F-D-S

Quant Time: Jan 28 03:17:58 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

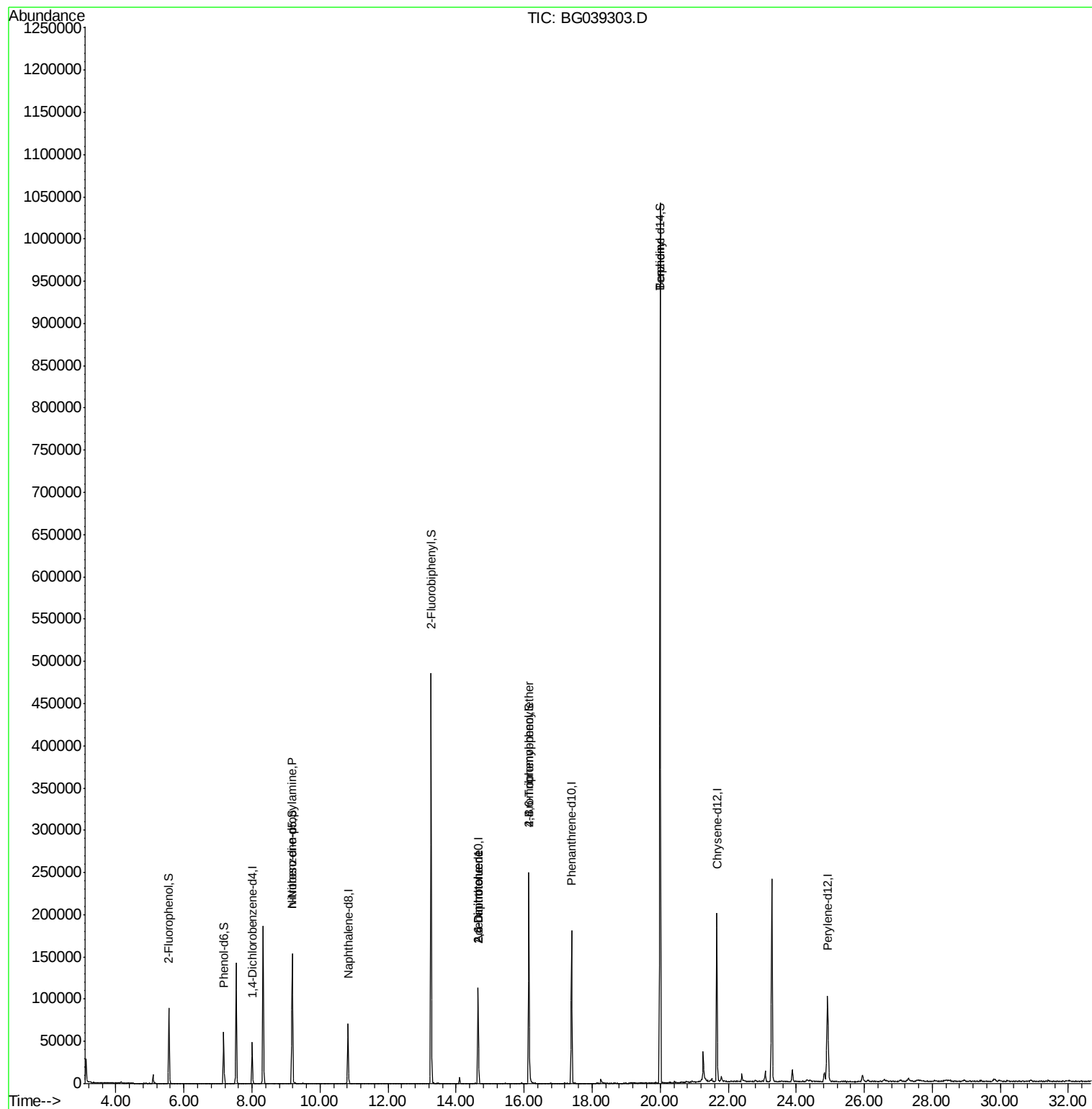
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	14370	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	60377	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	43577	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	120972	20.00	ng	0.00
76) Chrysene-d12	21.67	240	129619	20.00	ng	-0.02
87) Perylene-d12	24.91	264	131618	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	40429	53.37	ng	0.00
7) Phenol-d6	7.17	99	36563	33.54	ng	0.00
23) Nitrobenzene-d5	9.18	82	93448	84.69	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	58325	79.85	ng	-0.02
45) 2-Fluorobiphenyl	13.26	172	271587	85.29	ng	0.00
79) Terphenyl-d14	20.00	244	514361	73.41	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	12195	17.035	ng	# 66
51) 2,6-Dinitrotoluene	14.64	165	5575	6.772	ng	# 24
57) 2,4-Dinitrotoluene	14.64	165	5575	4.720	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	3834	2.466	ng	# 1
77) Benzidine	20.00	184	8072	2.036	ng	# 91

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

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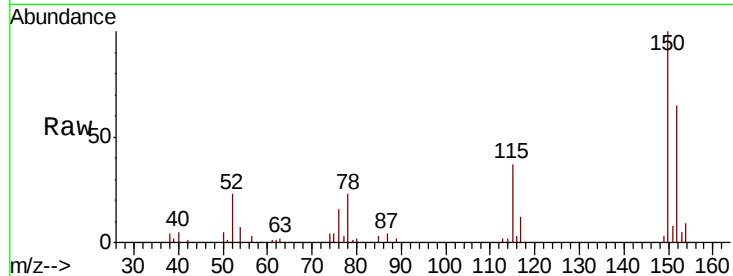


#1

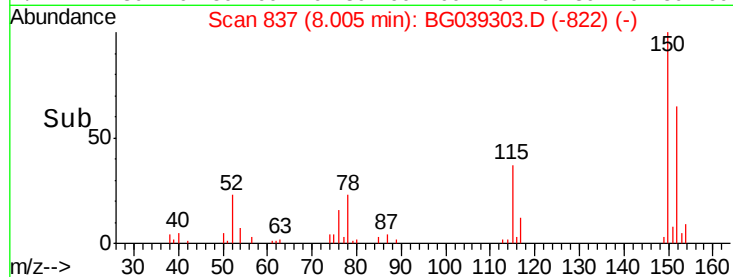
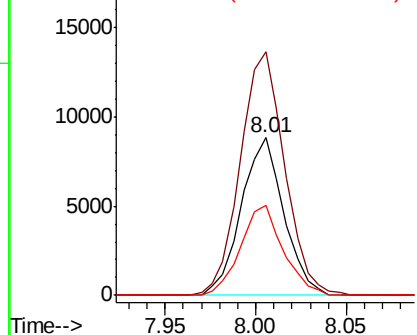
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.01 min Scan# 837
 Delta R.T. -0.01 min
 Lab File: BG039303.D
 Acq: 26 Jan 2019 9:06

Instrument :
 BNA_G
 ClientSampleId :
 012319-TIPC-F-D-S

Tgt Ion:152 Resp: 14370
 Ion Ratio Lower Upper
 152 100
 150 154.6 124.7 187.1
 115 56.8 46.5 69.7



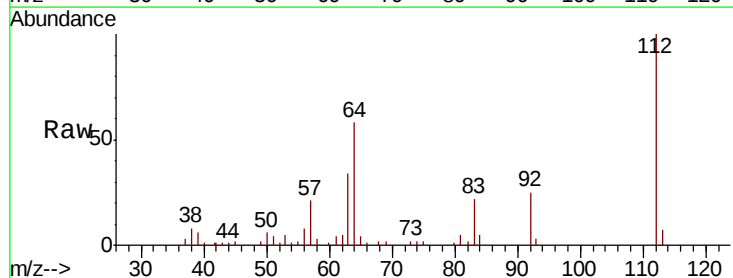
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



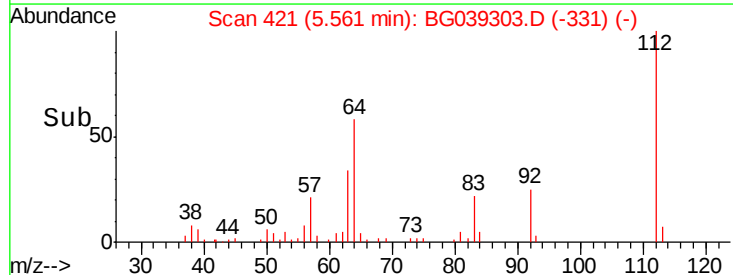
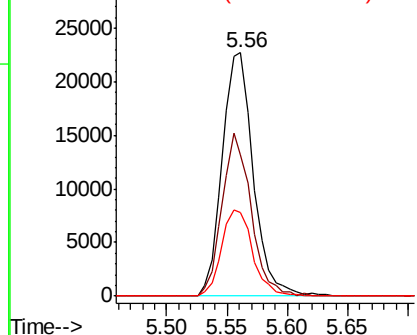
#5

2-Fluorophenol
 Concen: 53.370 ng
 RT: 5.56 min Scan# 421
 Delta R.T. -0.00 min
 Lab File: BG039303.D
 Acq: 26 Jan 2019 9:06

Tgt Ion:112 Resp: 40429
 Ion Ratio Lower Upper
 112 100
 64 57.8 47.0 70.6
 63 34.5 28.0 42.0



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: 33.539 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG039303.D

Acq: 26 Jan 2019 9:06

Instrument :

BNA_G

ClientSampleId :

012319-TIPC-F-D-S

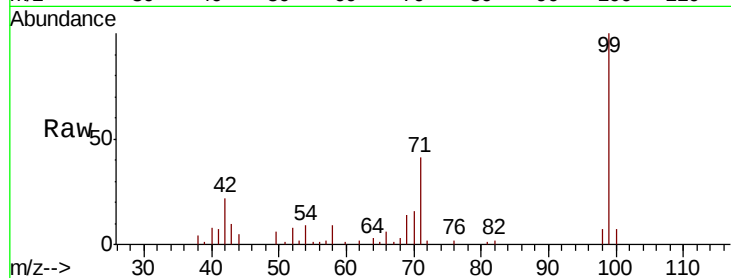
Tgt Ion: 99 Resp: 36563

Ion Ratio Lower Upper

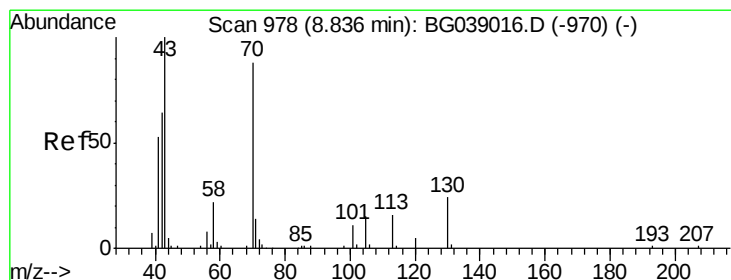
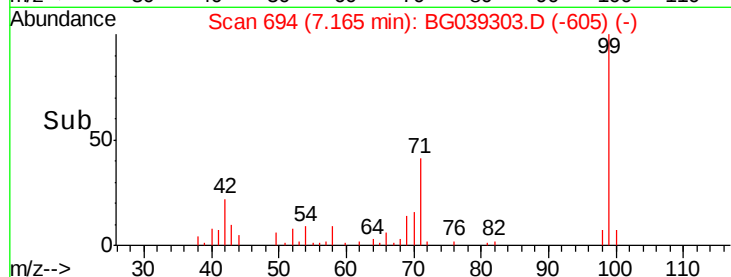
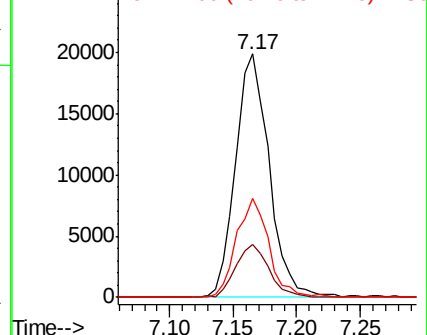
99 100

42 21.6 15.8 23.6

71 40.8 30.2 45.4



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: 17.035 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.36 min

Lab File: BG039303.D

Acq: 26 Jan 2019 9:06

Tgt Ion: 70 Resp: 12195

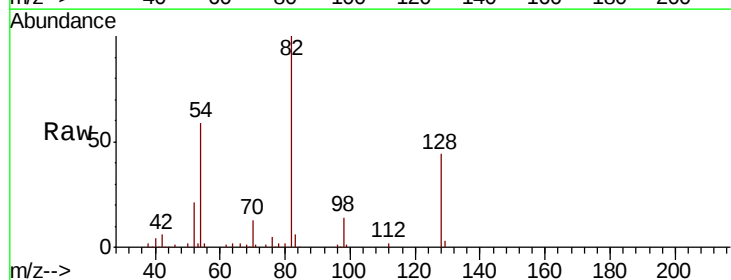
Ion Ratio Lower Upper

70 100

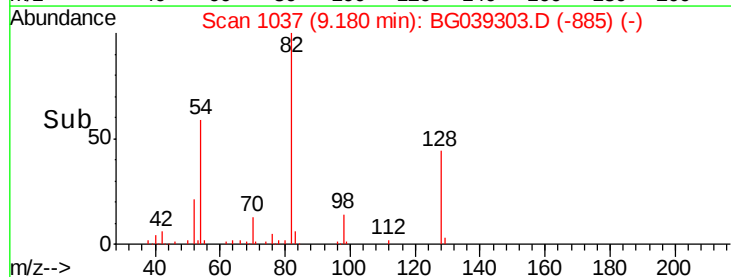
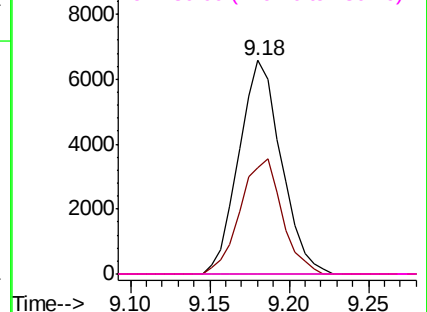
42 49.9 59.0 88.4#

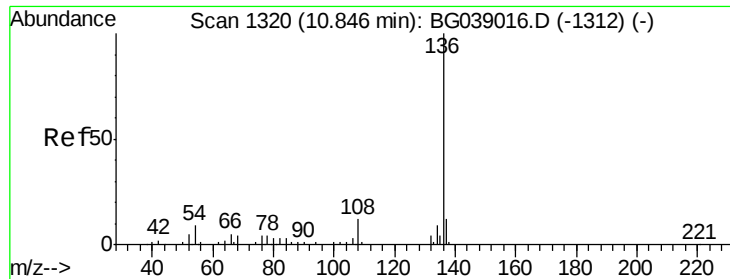
101 0.0 10.4 15.6#

130 0.0 21.6 32.4#



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

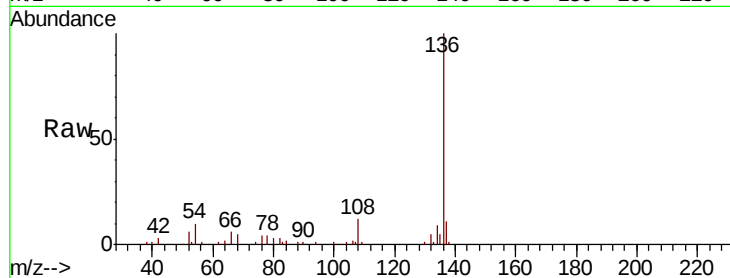




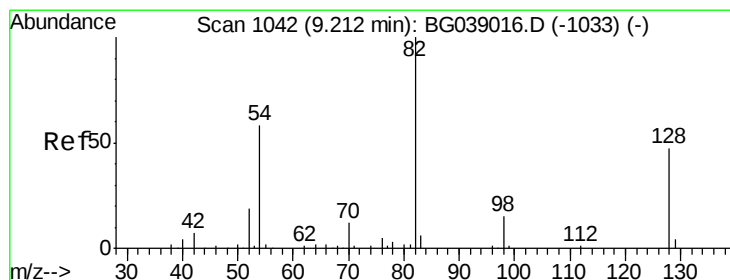
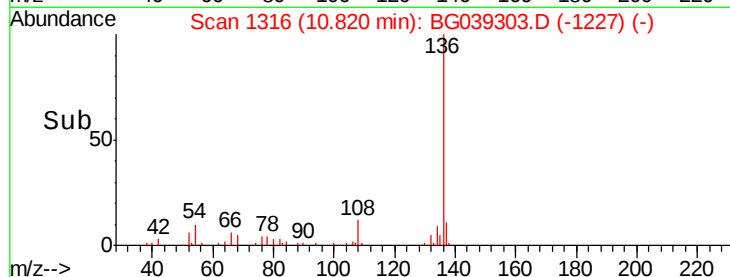
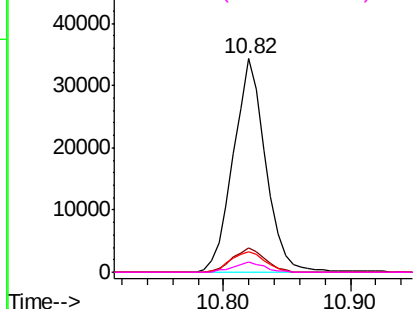
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG039303.D
Acq: 26 Jan 2019 9:06

Instrument :
BNA_G
ClientSampleId :
012319-TIPC-F-D-S

Tgt Ion:	136	Resp:	60377
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.4	14.2
54	9.6	7.2	10.8
68	5.1	3.5	5.3

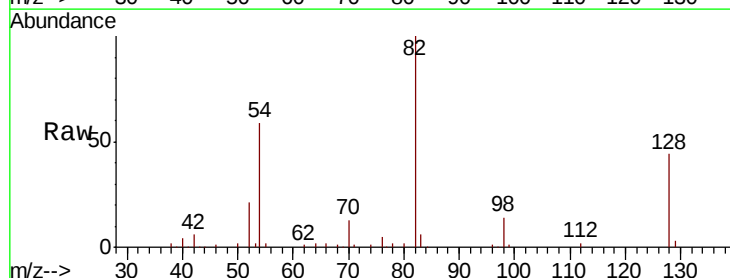


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

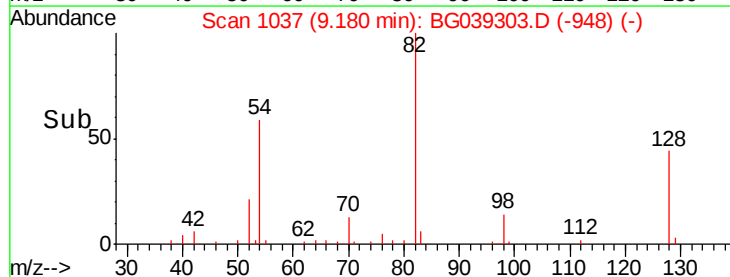
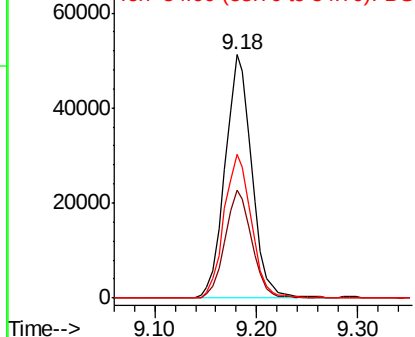


#23
Nitrobenzene-d5
Concen: 84.692 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BG039303.D
Acq: 26 Jan 2019 9:06

Tgt Ion:	82	Resp:	93448
Ion	Ratio	Lower	Upper
82	100		
128	44.4	37.3	55.9
54	59.0	46.4	69.6



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: 14.64 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG039303.D

Acq: 26 Jan 2019 9:06

Instrument :

BNA_G

ClientSampleId :

012319-TIPC-F-D-S

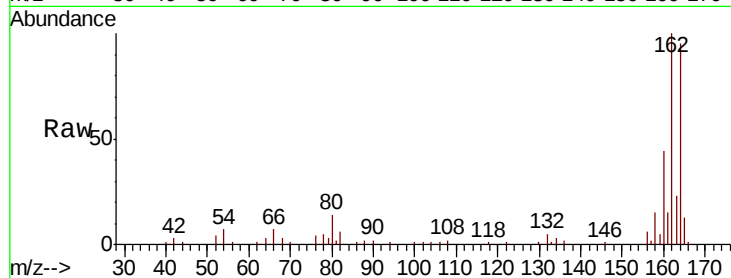
Tgt Ion:164 Resp: 43577

Ion Ratio Lower Upper

164 100

162 105.1 87.2 130.8

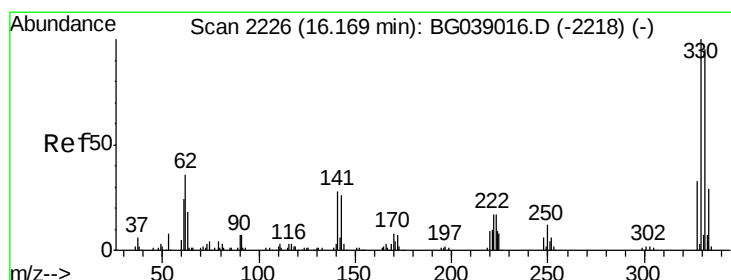
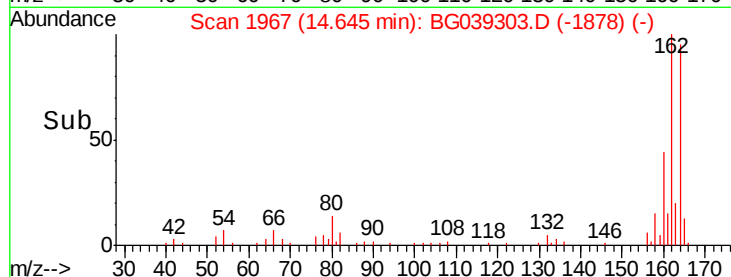
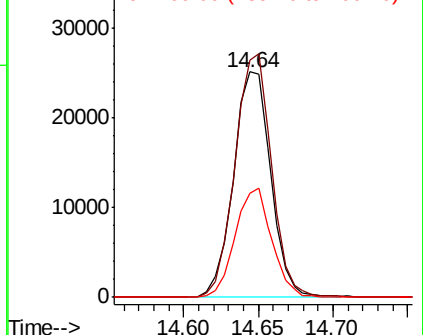
160 46.2 33.3 49.9



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: 79.846 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.02 min

Lab File: BG039303.D

Acq: 26 Jan 2019 9:06

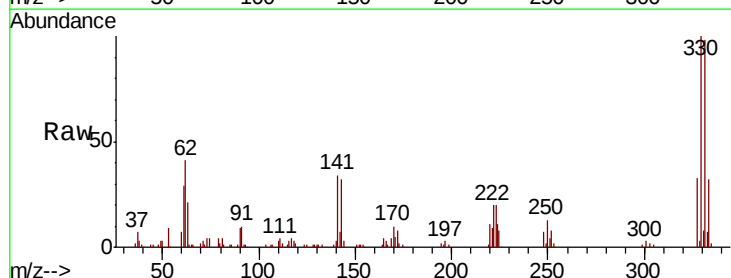
Tgt Ion:330 Resp: 58325

Ion Ratio Lower Upper

330 100

332 95.2 75.7 113.5

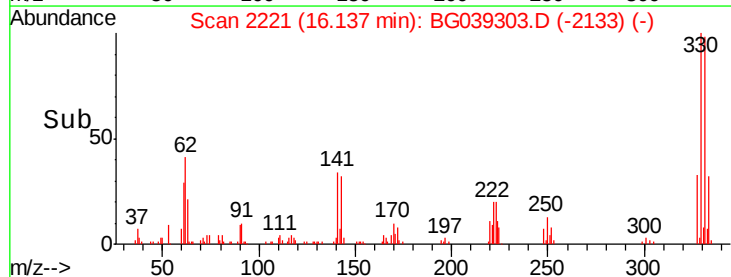
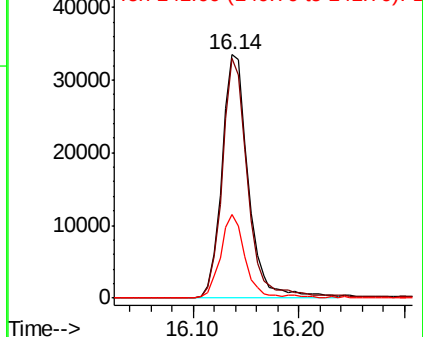
141 31.6 24.9 37.3

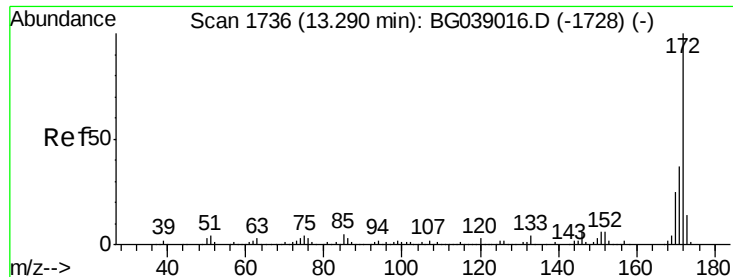


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

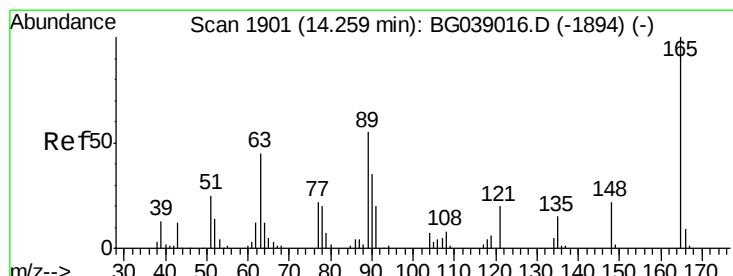
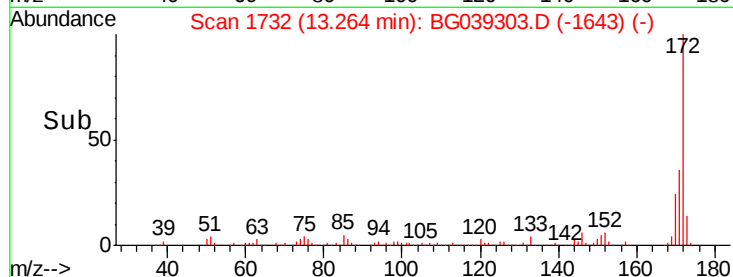
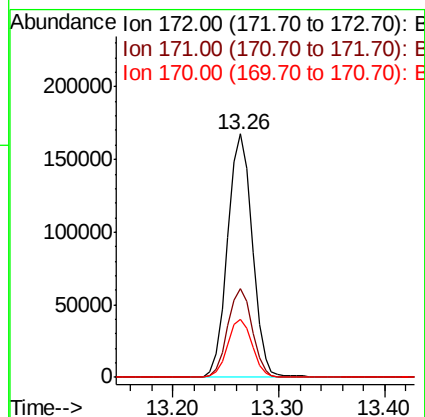
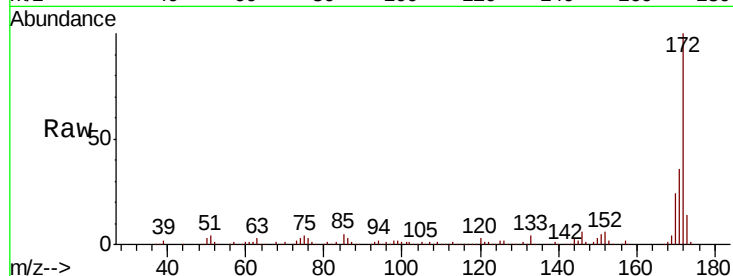




#45
 2-Fluorobiphenyl
 Concen: 85.294 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.01 min
 Lab File: BG039303.D
 Acq: 26 Jan 2019 9:06

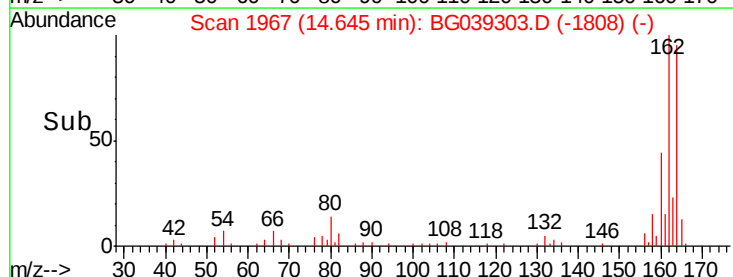
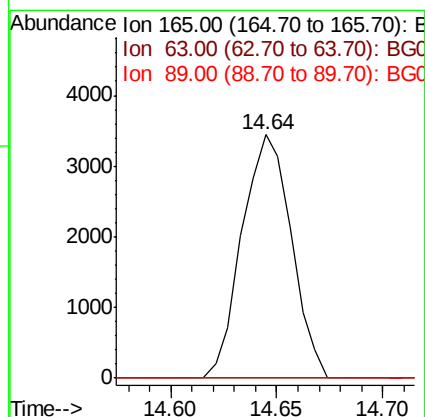
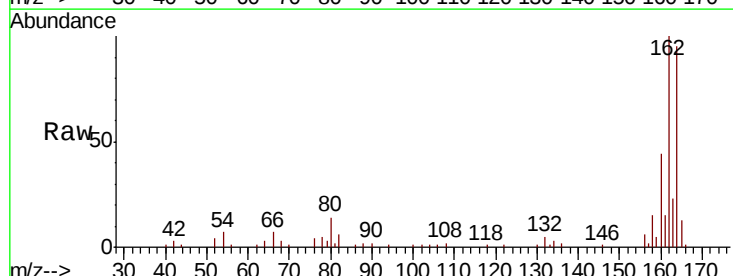
Instrument :
 BNA_G
 ClientSampleId :
 012319-TIPC-F-D-S

Tgt Ion:172 Resp: 271587
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.4 44.0
 170 23.7 20.1 30.1



#51
 2,6-Dinitrotoluene
 Concen: 6.772 ng
 RT: 14.64 min Scan# 1967
 Delta R.T. 0.40 min
 Lab File: BG039303.D
 Acq: 26 Jan 2019 9:06

Tgt Ion:165 Resp: 5575
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.6 65.4#
 89 0.0 43.7 65.5#

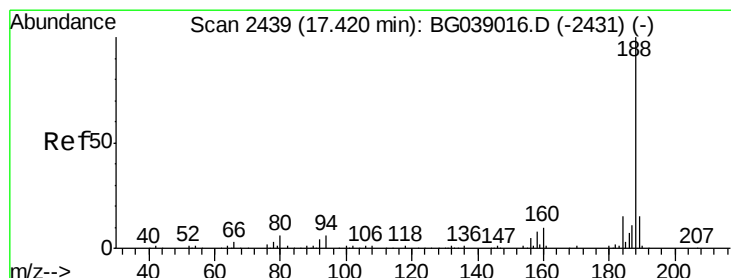
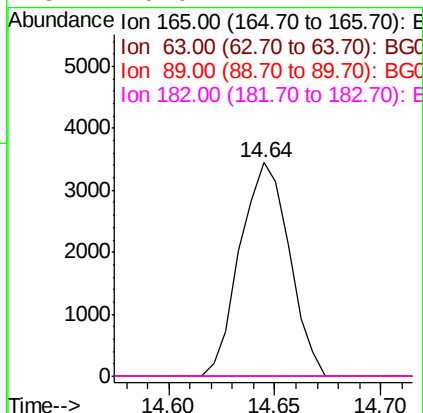
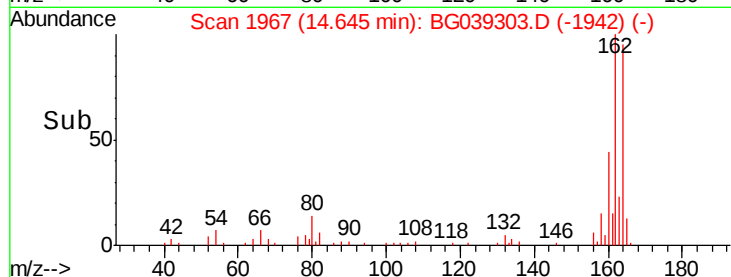
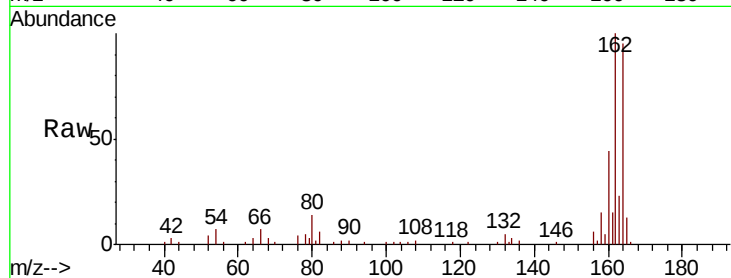




#57
2,4-Dinitrotoluene
Concen: 4.720 ng
RT: 14.64 min Scan# 1967
Delta R.T. -0.39 min
Lab File: BG039303.D
Acq: 26 Jan 2019 9:06

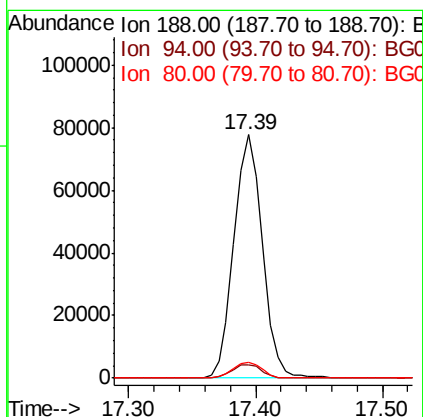
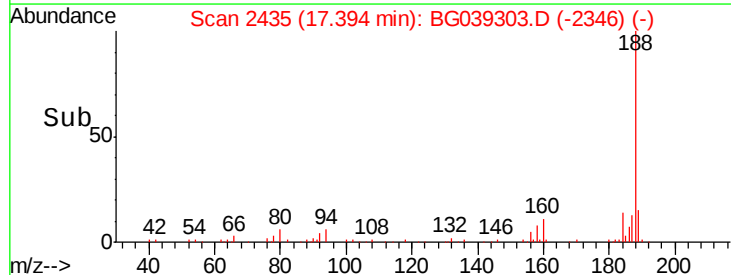
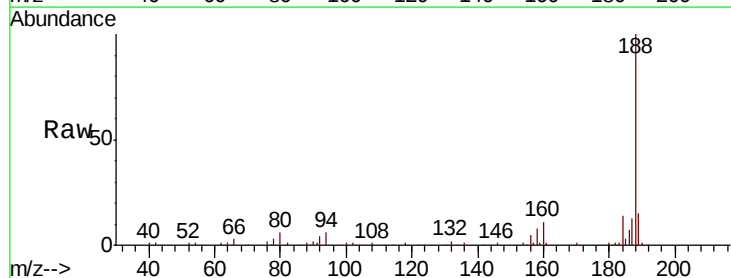
Instrument :
BNA_G
ClientSampleId :
012319-TIPC-F-D-S

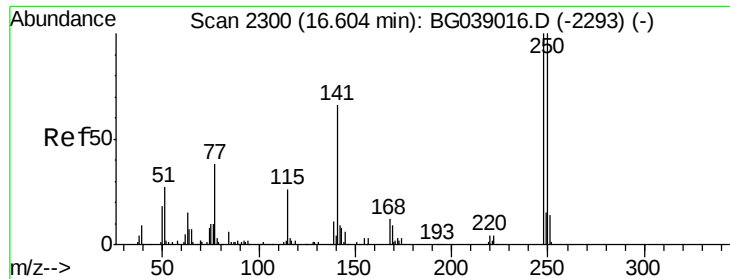
Tgt Ion:165 Resp: 5575
Ion Ratio Lower Upper
165 100
63 0.0 30.2 45.4#
89 0.0 53.2 79.8#
182 0.0 2.7 4.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2435
Delta R.T. -0.01 min
Lab File: BG039303.D
Acq: 26 Jan 2019 9:06

Tgt Ion:188 Resp: 120972
Ion Ratio Lower Upper
188 100
94 5.7 5.0 7.4
80 6.5 4.7 7.1

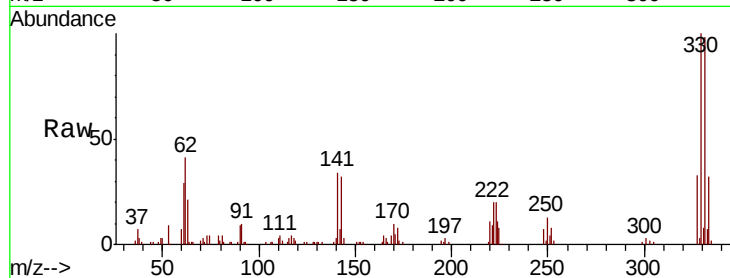




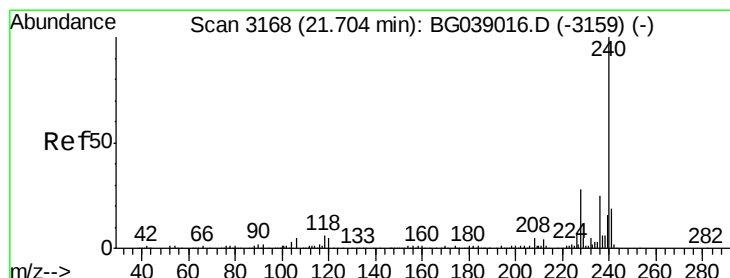
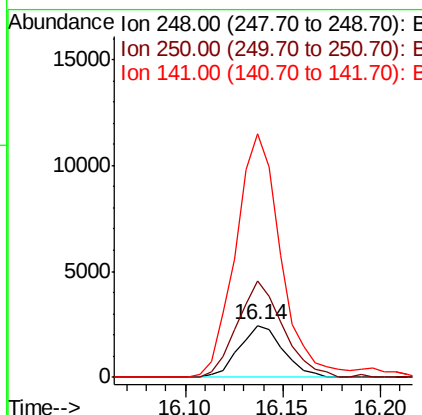
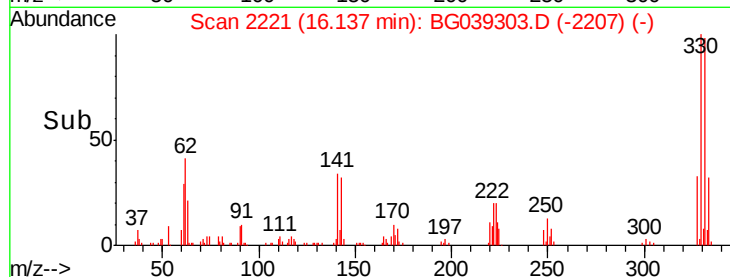
#67
 4-Bromophenyl-phenylether
 Concen: 2.466 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.45 min
 Lab File: BG039303.D
 Acq: 26 Jan 2019 9:06

Instrument :
 BNA_G
 ClientSampleId :
 012319-TIPC-F-D-S

Tgt Ion: 248 Resp: 3834
 Ion Ratio Lower Upper
 248 100
 250 189.3 79.9 119.9#
 141 367.0 52.7 79.1#

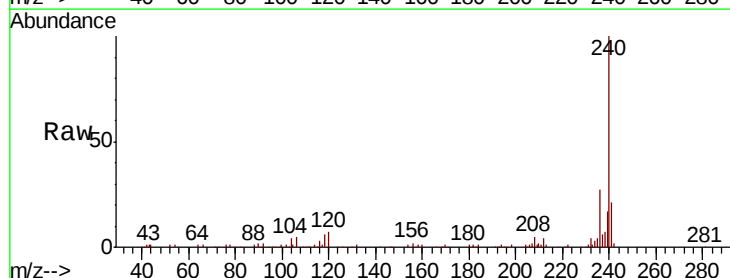


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

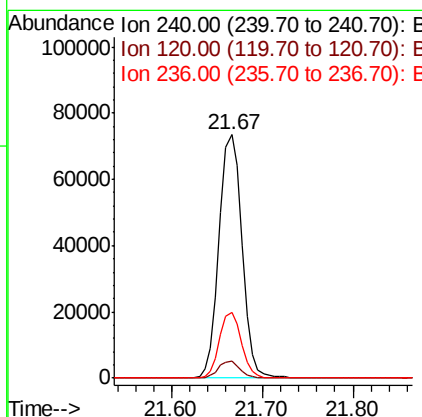
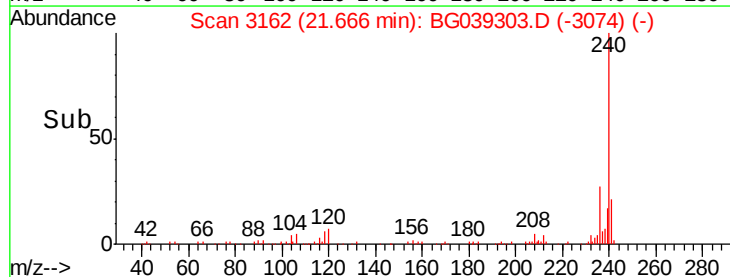


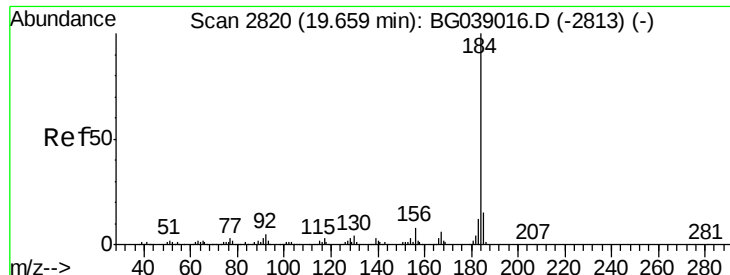
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3162
 Delta R.T. -0.02 min
 Lab File: BG039303.D
 Acq: 26 Jan 2019 9:06

Tgt Ion: 240 Resp: 129619
 Ion Ratio Lower Upper
 240 100
 120 6.9 4.3 6.5#
 236 27.0 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

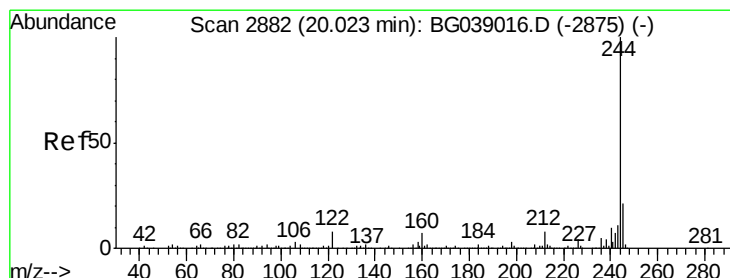
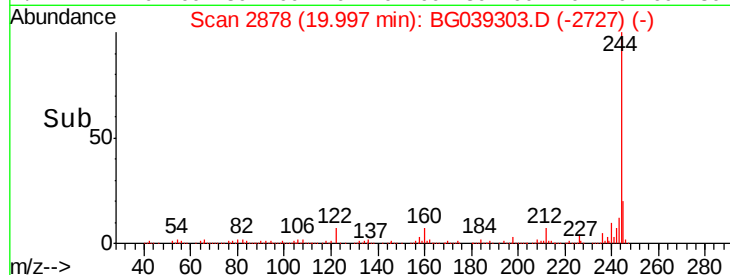
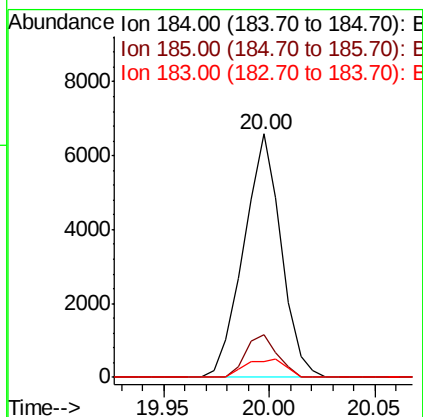
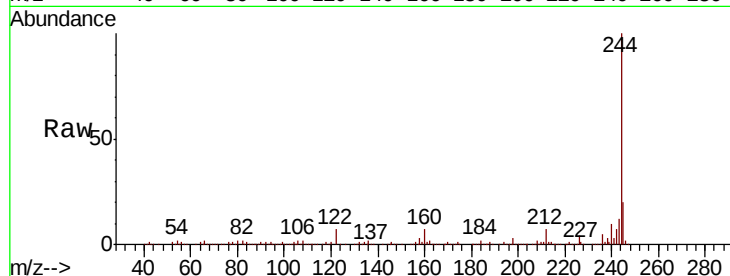




#77
Benzidine
Concen: 2.036 ng
RT: 20.00 min Scan# 2878
Delta R.T. 0.35 min
Lab File: BG039303.D
Acq: 26 Jan 2019 9:06

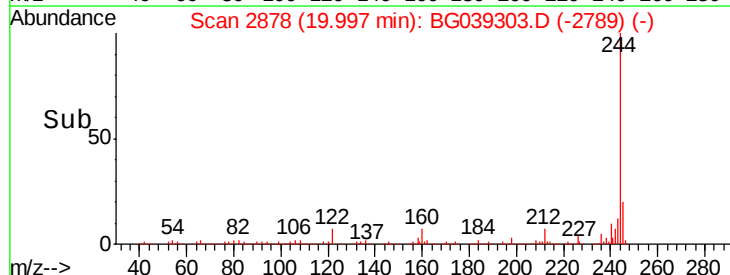
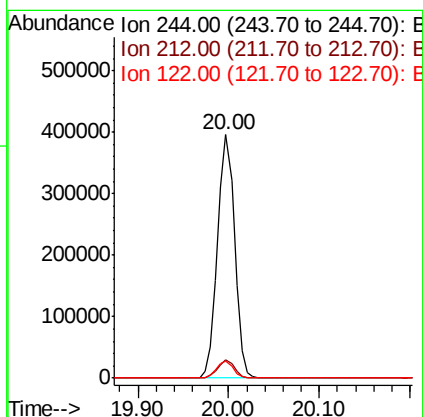
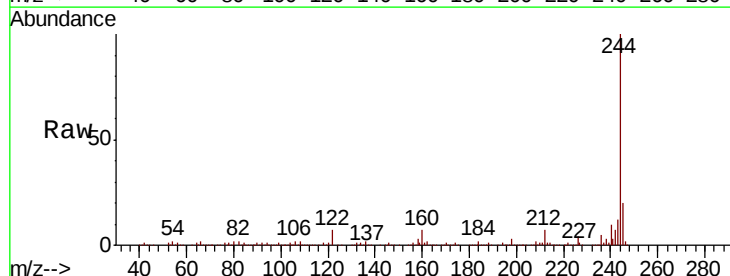
Instrument :
BNA_G
ClientSampleId :
012319-TIPC-F-D-S

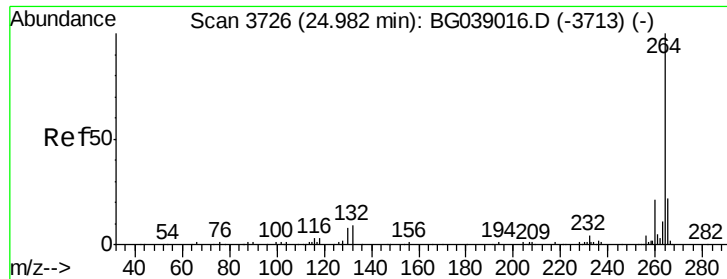
Tgt Ion:184 Resp: 8072
Ion Ratio Lower Upper
184 100
185 17.3 12.1 18.1
183 6.6 9.5 14.3#



#79
Terphenyl-d14
Concen: 73.408 ng
RT: 20.00 min Scan# 2878
Delta R.T. -0.01 min
Lab File: BG039303.D
Acq: 26 Jan 2019 9:06

Tgt Ion:244 Resp: 514361
Ion Ratio Lower Upper
244 100
212 7.4 6.1 9.1
122 6.9 6.1 9.1

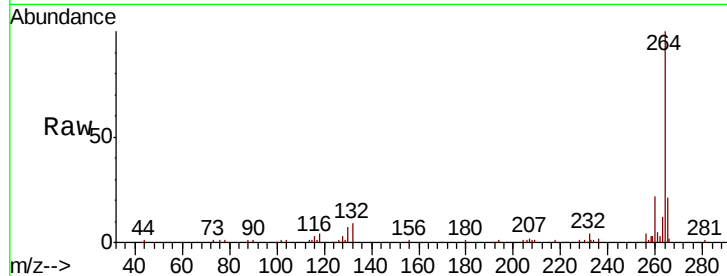




#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.91 min Scan# 3715
 Delta R.T. -0.03 min
 Lab File: BG039303.D
 Acq: 26 Jan 2019 9:06

Instrument :
 BNA_G
 ClientSampleId :
 012319-TIPC-F-D-S

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.4	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

