

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG011619\
 Data File : BG039176.D
 Acq On : 17 Jan 2019 3:32
 Operator : JU/SJ
 Sample : K1147-27
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-9

Quant Time: Jan 17 05:44:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 09 14:23:53 2019
 Response via : Initial Calibration

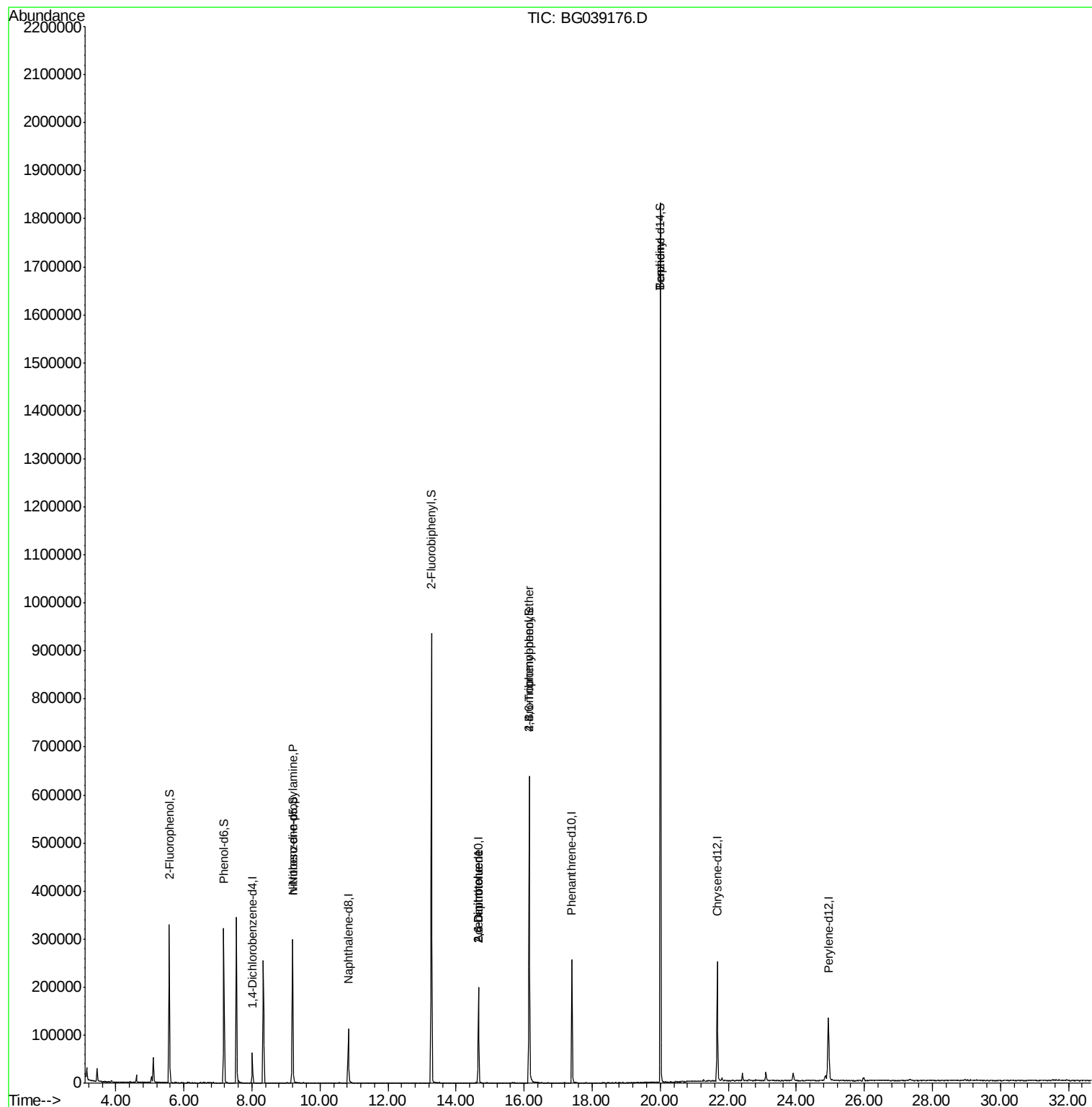
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	18281	20.00	ng	-0.02
21) Naphthalene-d8	10.83	136	107163	20.00	ng	-0.01
39) Acenaphthene-d10	14.65	164	76877	20.00	ng	-0.02
64) Phenanthrene-d10	17.40	188	174772	20.00	ng	-0.02
76) Chrysene-d12	21.68	240	168811	20.00	ng	-0.03
87) Perylene-d12	24.94	264	173194	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	144096	149.53	ng	-0.01
7) Phenol-d6	7.17	99	192069	138.49	ng	-0.02
23) Nitrobenzene-d5	9.20	82	188556	96.28	ng	-0.02
42) 2,4,6-Tribromophenol	16.15	330	146615	113.77	ng	-0.02
45) 2-Fluorobiphenyl	13.27	172	519949	92.56	ng	-0.02
79) Terphenyl-d14	20.01	244	947612	103.84	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	24039	26.395	ng	# 63
51) 2,6-Dinitrotoluene	14.66	165	10019	6.898	ng	# 24
57) 2,4-Dinitrotoluene	14.66	165	10019	4.808	ng	# 26
67) 4-Bromophenyl-phenylether	16.15	248	9928	4.419	ng	# 1
77) Benzidine	20.01	184	15151	2.934	ng	# 93

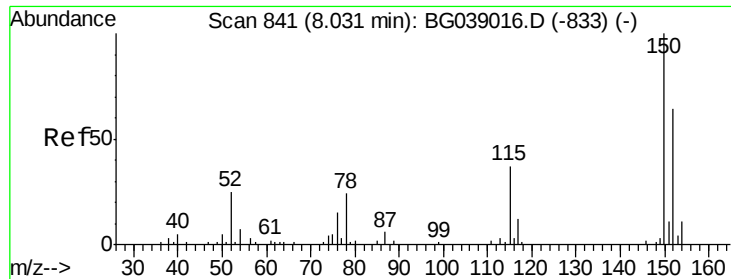
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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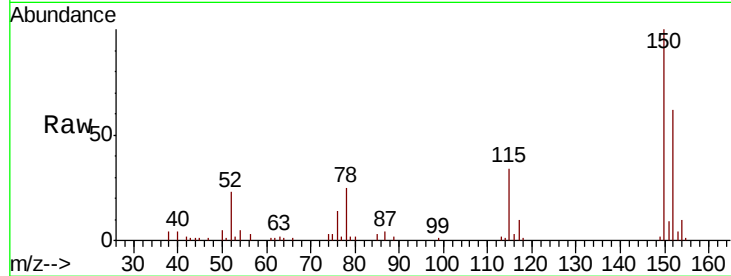


#1

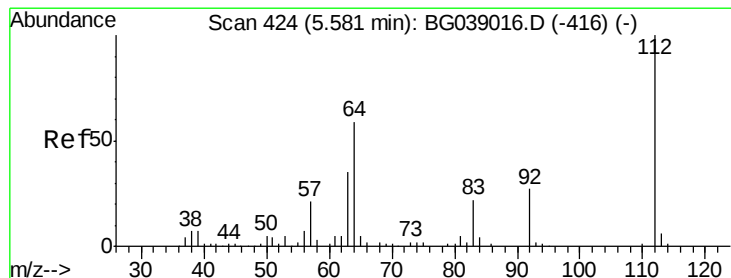
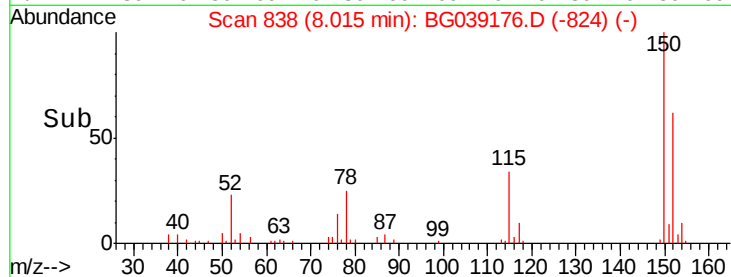
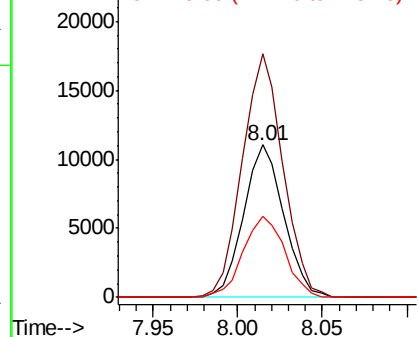
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. -0.02 min
Lab File: BG039176.D
Acq: 17 Jan 2019 3:32

Instrument :
BNA_G
ClientSampleId :
TP-9

Tgt Ion:152 Resp: 18281
Ion Ratio Lower Upper
152 100
150 160.0 124.7 187.1
115 53.6 46.5 69.7



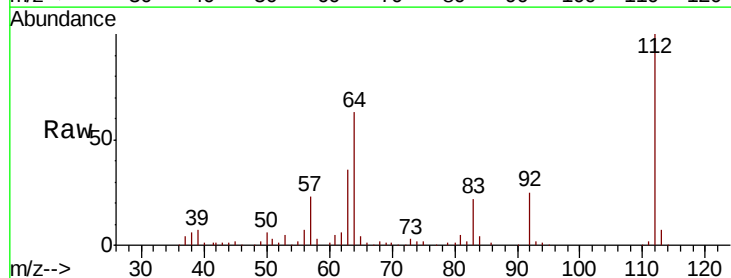
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



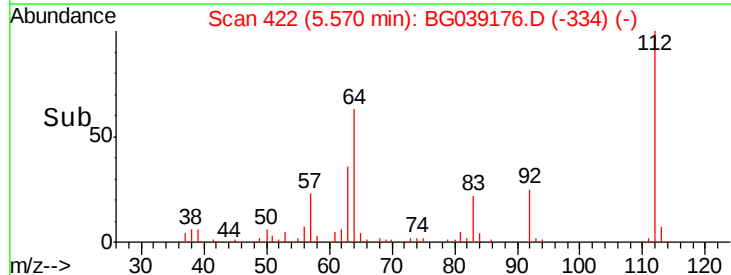
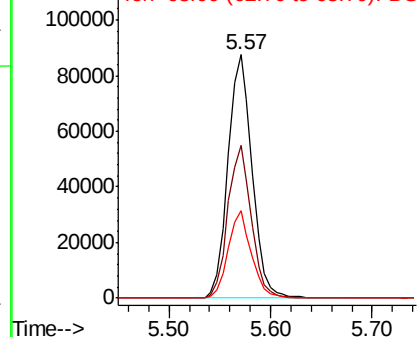
#5

2-Fluorophenol
Concen: 149.526 ng
RT: 5.57 min Scan# 422
Delta R.T. -0.01 min
Lab File: BG039176.D
Acq: 17 Jan 2019 3:32

Tgt Ion:112 Resp: 144096
Ion Ratio Lower Upper
112 100
64 62.8 47.0 70.6
63 35.9 28.0 42.0



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: 138.491 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.02 min

Lab File: BG039176.D

Acq: 17 Jan 2019 3:32

Instrument :

BNA_G

ClientSampled :

TP-9

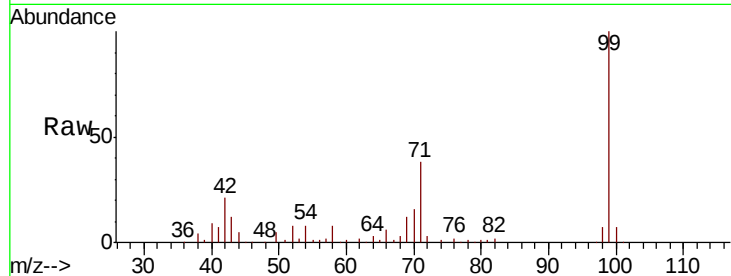
Tgt Ion: 99 Resp: 192069

Ion Ratio Lower Upper

99 100

42 21.0 15.8 23.6

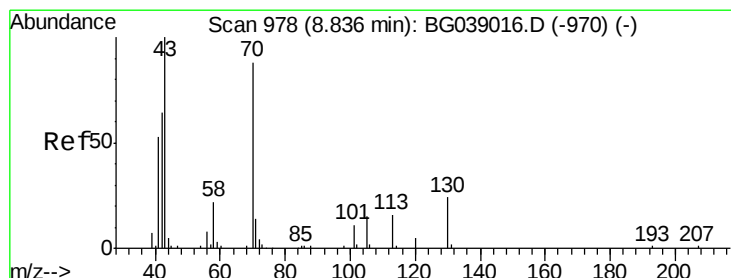
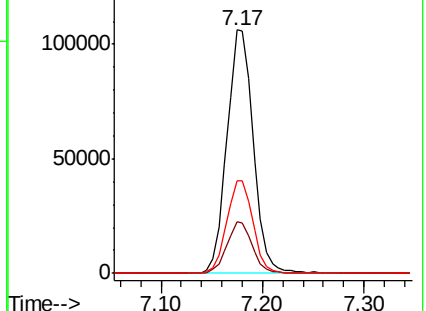
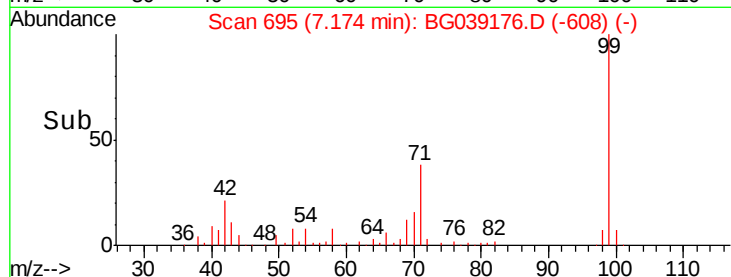
71 37.9 30.2 45.4



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: 26.395 ng

RT: 9.20 min Scan# 1039

Delta R.T. 0.36 min

Lab File: BG039176.D

Acq: 17 Jan 2019 3:32

Tgt Ion: 70 Resp: 24039

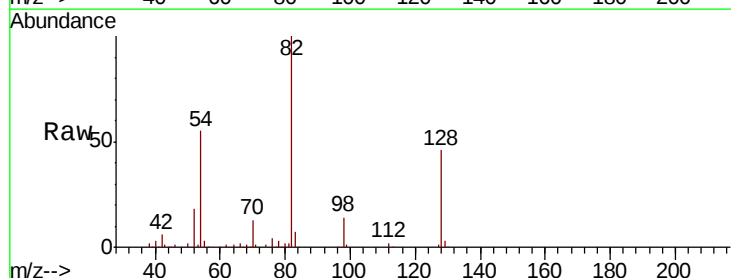
Ion Ratio Lower Upper

70 100

42 45.0 59.0 88.4#

101 0.0 10.4 15.6#

130 2.2 21.6 32.4#

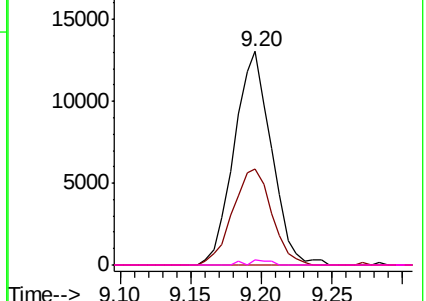
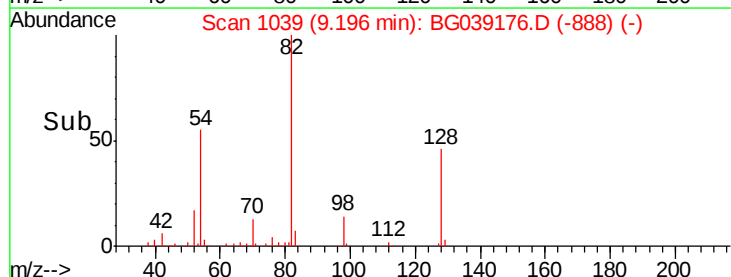


Abundance Ion 70.00 (69.70 to 70.70): BGC

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

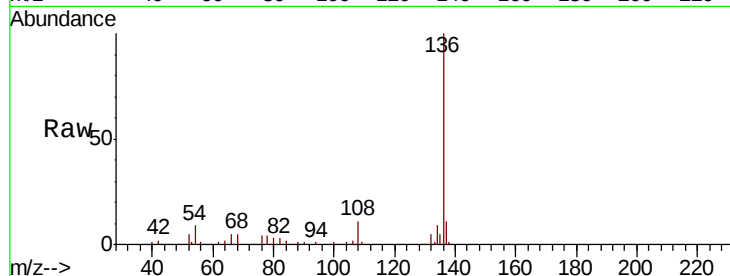




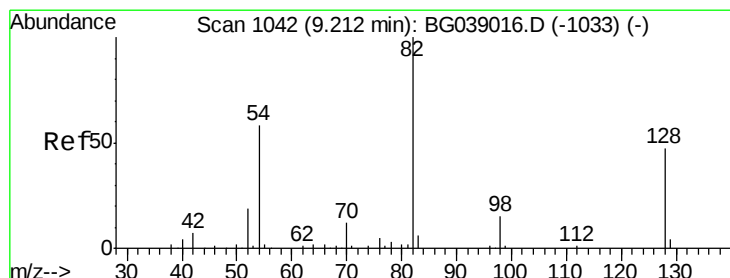
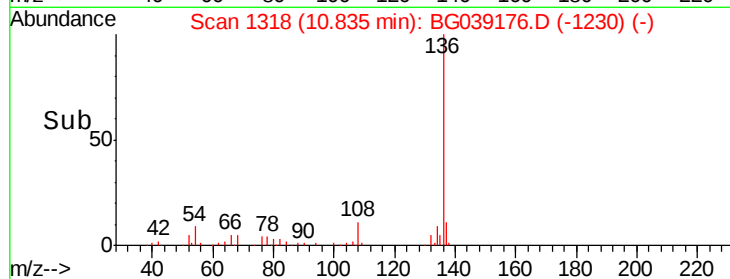
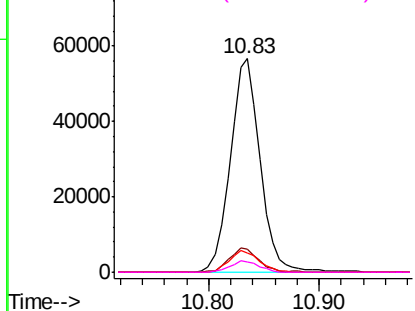
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BG039176.D
Acq: 17 Jan 2019 3:32

Instrument :
BNA_G
ClientSampleId :
TP-9

Tgt Ion:	136	Resp:	107163
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.4	14.2
54	8.8	7.2	10.8
68	5.0	3.5	5.3

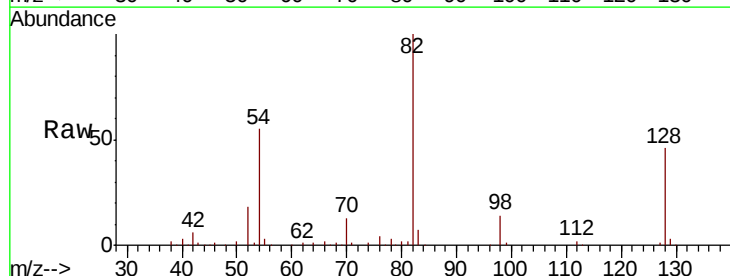


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

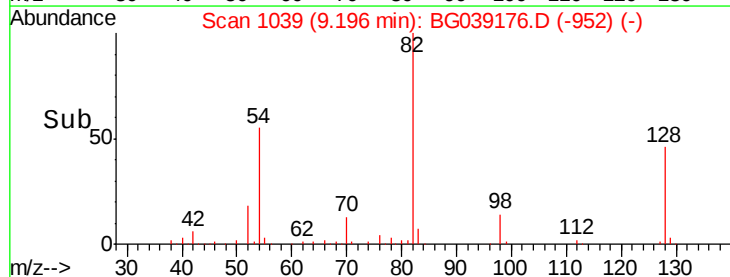
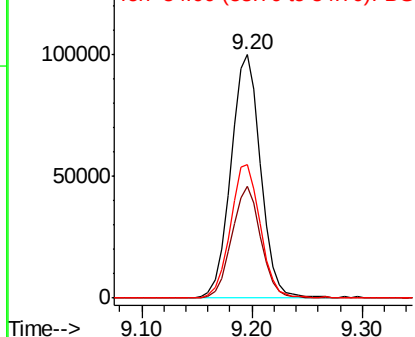


#23
Nitrobenzene-d5
Concen: 96.280 ng
RT: 9.20 min Scan# 1039
Delta R.T. -0.02 min
Lab File: BG039176.D
Acq: 17 Jan 2019 3:32

Tgt Ion:	82	Resp:	188556
Ion	Ratio	Lower	Upper
82	100		
128	46.0	37.3	55.9
54	54.7	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: 14.65 min Scan# 1968

Delta R.T. -0.02 min

Lab File: BG039176.D

Acq: 17 Jan 2019 3:32

Instrument :

BNA_G

ClientSampleId :

TP-9

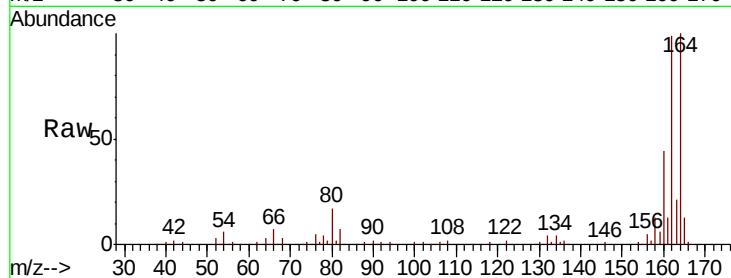
Tgt Ion:164 Resp: 76877

Ion Ratio Lower Upper

164 100

162 98.7 87.2 130.8

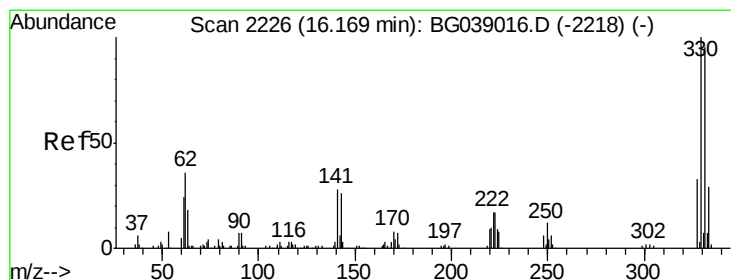
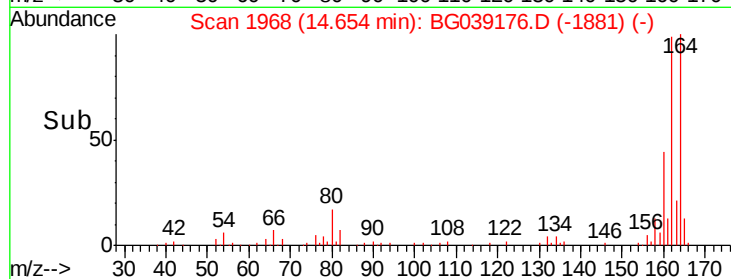
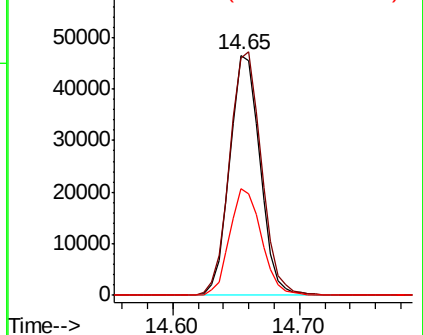
160 44.1 33.3 49.9



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: 113.772 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.02 min

Lab File: BG039176.D

Acq: 17 Jan 2019 3:32

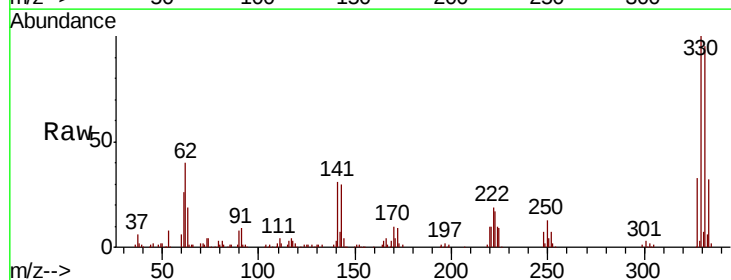
Tgt Ion:330 Resp: 146615

Ion Ratio Lower Upper

330 100

332 96.2 75.7 113.5

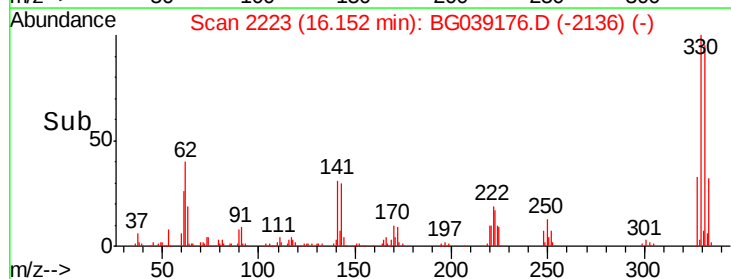
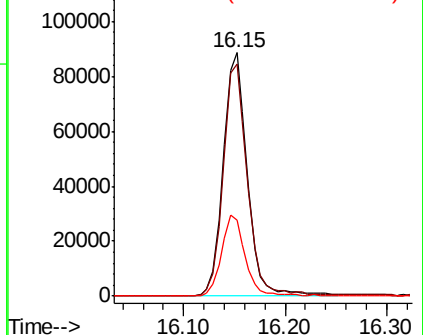
141 32.4 24.9 37.3

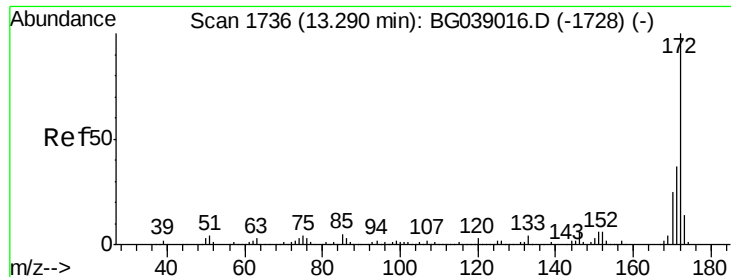


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

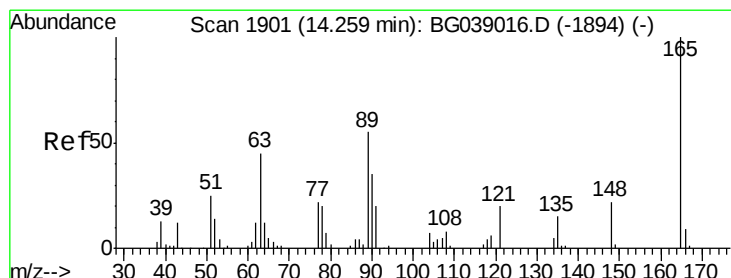
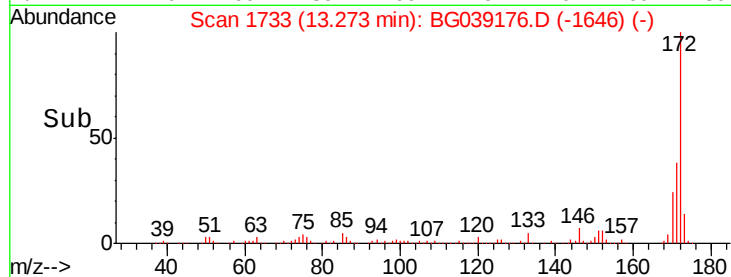
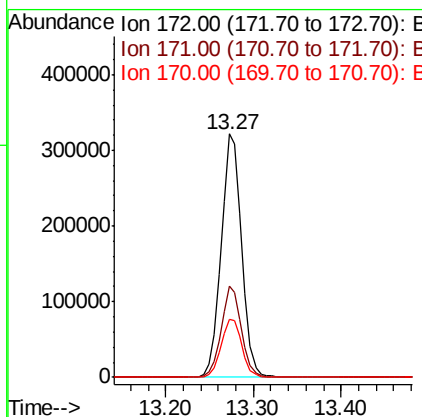
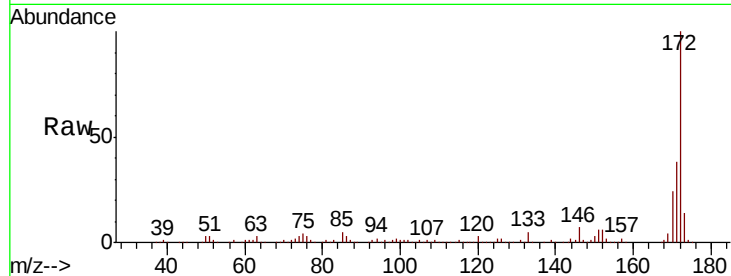




#45
 2-Fluorobiphenyl
 Concen: 92.561 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.02 min
 Lab File: BG039176.D
 Acq: 17 Jan 2019 3:32

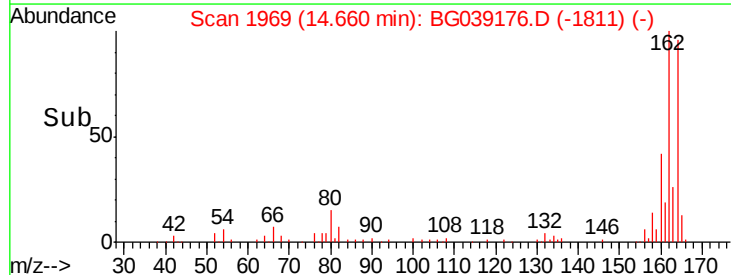
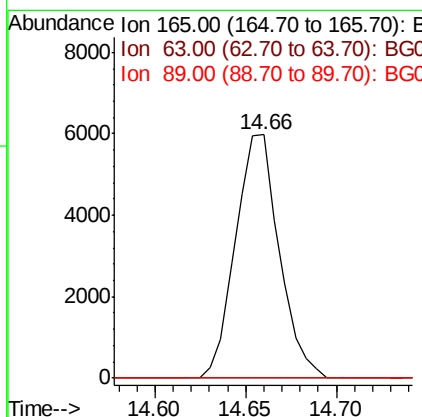
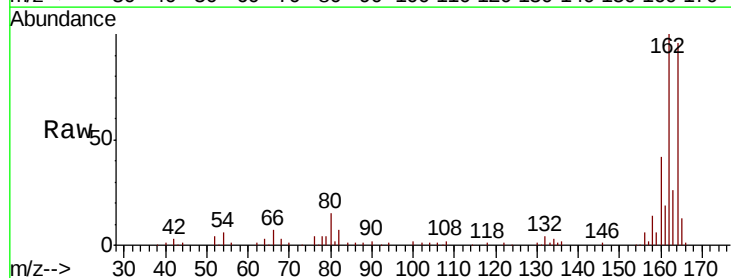
Instrument :
 BNA_G
 ClientSampleId :
 TP-9

Tgt Ion:172 Resp: 519949
 Ion Ratio Lower Upper
 172 100
 171 37.7 29.4 44.0
 170 23.6 20.1 30.1



#51
 2,6-Dinitrotoluene
 Concen: 6.898 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.40 min
 Lab File: BG039176.D
 Acq: 17 Jan 2019 3:32

Tgt Ion:165 Resp: 10019
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.6 65.4#
 89 0.0 43.7 65.5#

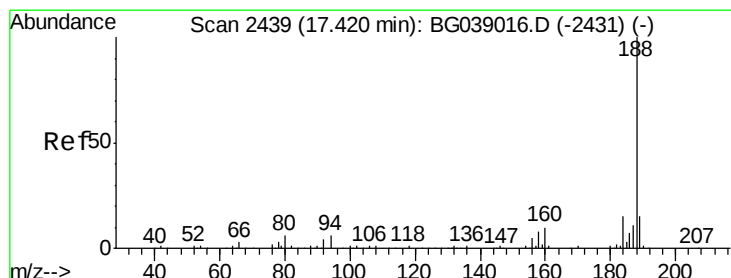
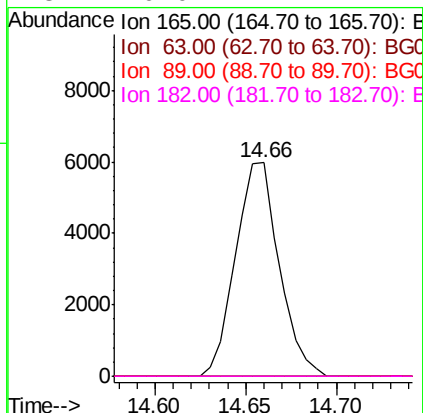
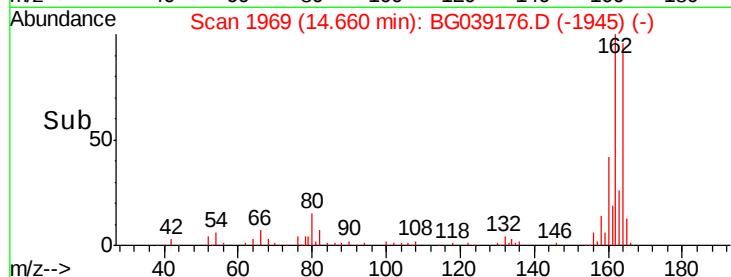
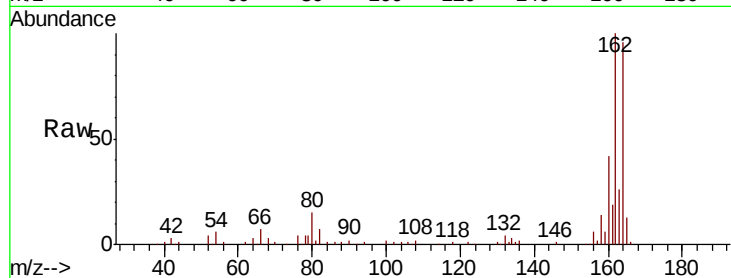




#57
 2,4-Dinitrotoluene
 Concen: 4.808 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.39 min
 Lab File: BG039176.D
 Acq: 17 Jan 2019 3:32

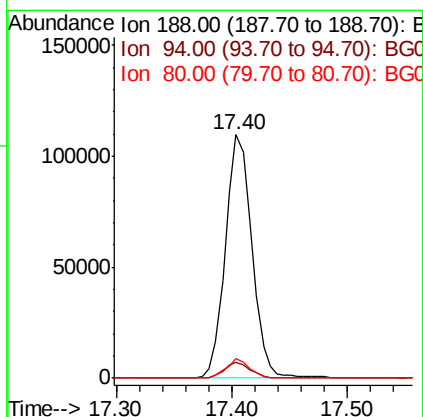
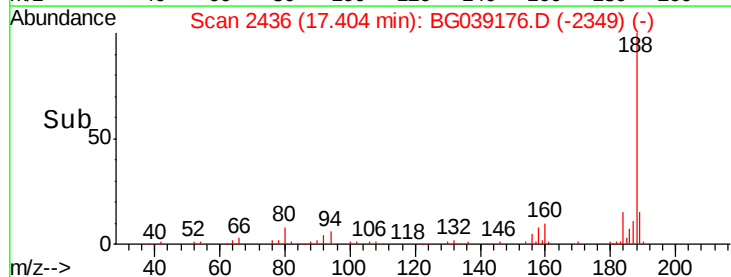
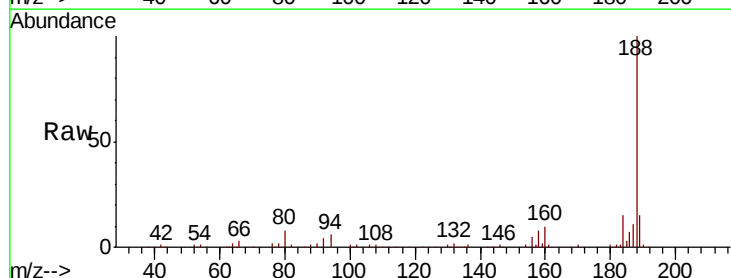
Instrument :
 BNA_G
 ClientSampleId :
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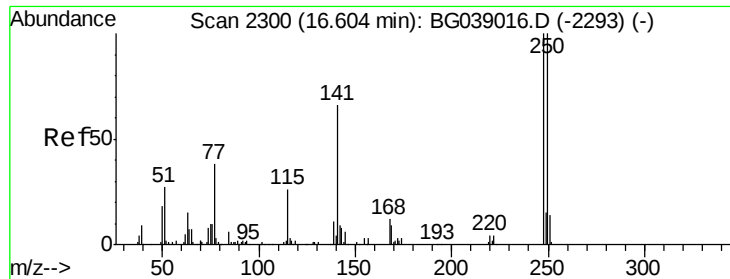
Tgt Ion:165 Resp: 10019
 Ion Ratio Lower Upper
 165 100
 63 0.0 30.2 45.4#
 89 0.0 53.2 79.8#
 182 0.0 2.7 4.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2436
 Delta R.T. -0.02 min
 Lab File: BG039176.D
 Acq: 17 Jan 2019 3:32

Tgt Ion:188 Resp: 174772
 Ion Ratio Lower Upper
 188 100
 94 6.5 5.0 7.4
 80 7.9 4.7 7.1#

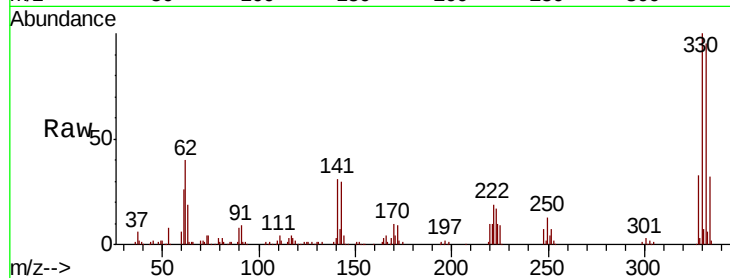




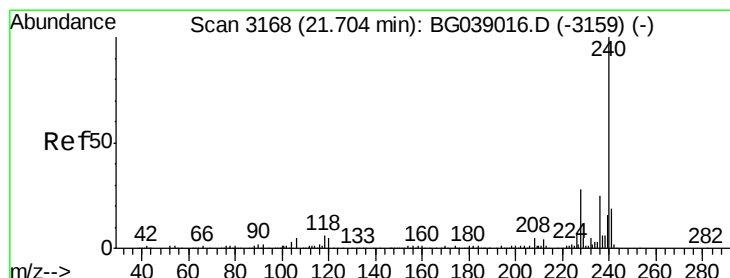
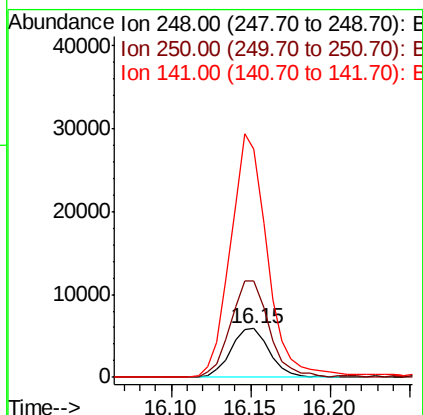
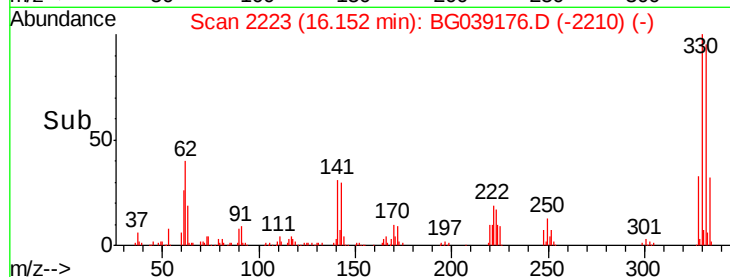
#67
 4-Bromophenyl-phenylether
 Concen: 4.419 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG039176.D
 Acq: 17 Jan 2019 3:32

Instrument :
 BNA_G
 ClientSampleId :
 TP-9

Tgt Ion:248 Resp: 9928
 Ion Ratio Lower Upper
 248 100
 250 194.0 79.9 119.9#
 141 356.5 52.7 79.1#

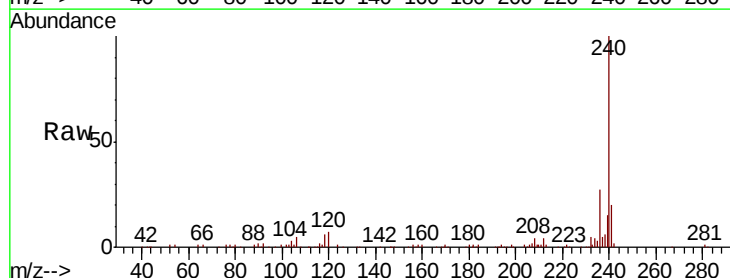


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

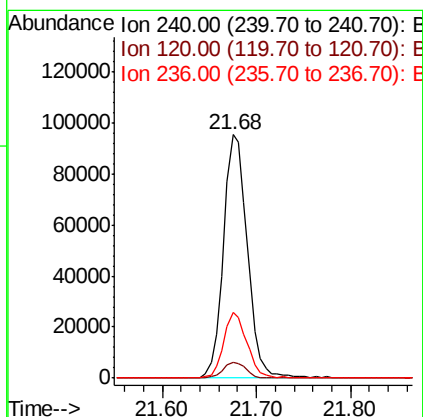
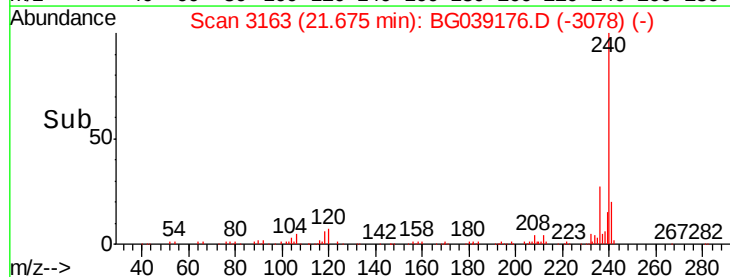


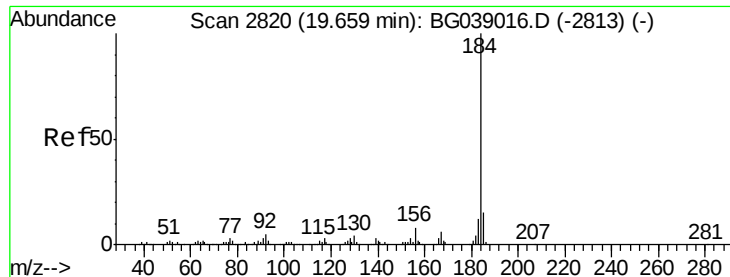
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3163
 Delta R.T. -0.03 min
 Lab File: BG039176.D
 Acq: 17 Jan 2019 3:32

Tgt Ion:240 Resp: 168811
 Ion Ratio Lower Upper
 240 100
 120 6.7 4.3 6.5#
 236 26.8 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: 2.934 ng

RT: 20.01 min Scan# 2879

Delta R.T. 0.35 min

Lab File: BG039176.D

Acq: 17 Jan 2019 3:32

Instrument :

BNA_G

ClientSampleId :

TP-9

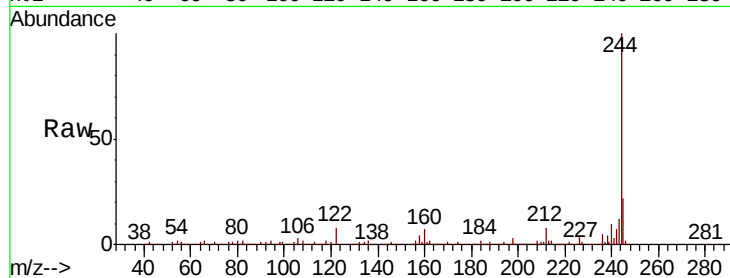
Tgt Ion:184 Resp: 15151

Ion Ratio Lower Upper

184 100

185 18.3 12.1 18.1#

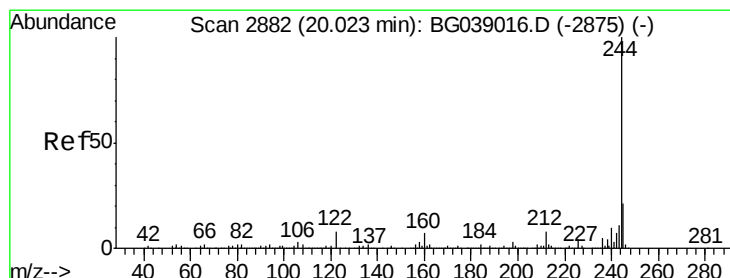
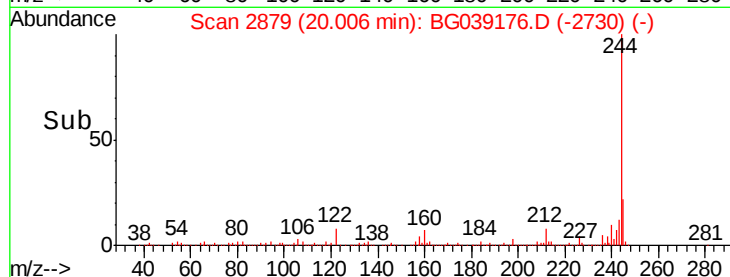
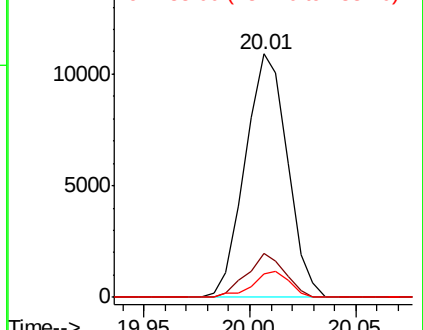
183 9.6 9.5 14.3



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: 103.843 ng

RT: 20.01 min Scan# 2879

Delta R.T. -0.02 min

Lab File: BG039176.D

Acq: 17 Jan 2019 3:32

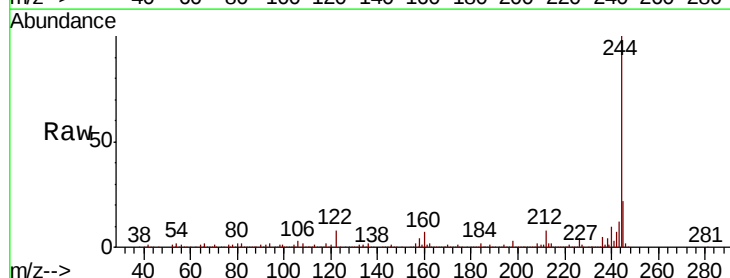
Tgt Ion:244 Resp: 947612

Ion Ratio Lower Upper

244 100

212 8.2 6.1 9.1

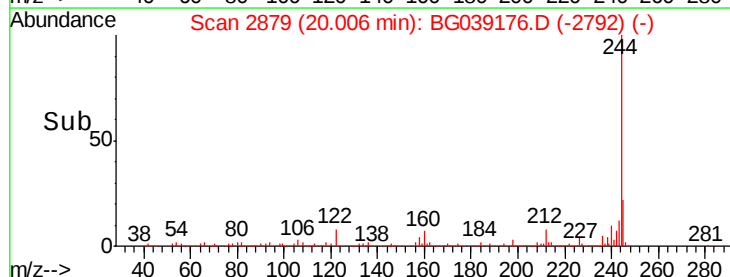
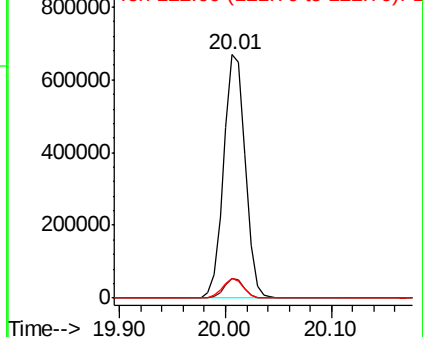
122 8.3 6.1 9.1

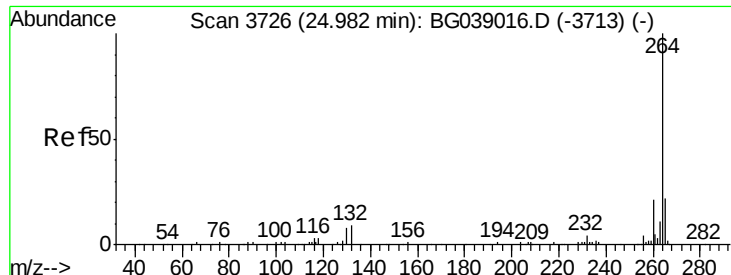


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 24.94 min Scan# 3719
Delta R.T. -0.04 min
Lab File: BG039176.D
Acq: 17 Jan 2019 3:32

Instrument :
BNA_G
ClientSampleId :
TP-9

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.0	25.6
265	22.1	17.2	25.8

