

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG012219\
 Data File : BG039256.D
 Acq On : 22 Jan 2019 18:23
 Operator : JU/SJ
 Sample : K1213-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MANHOLE

Quant Time: Jan 22 23:42:27 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

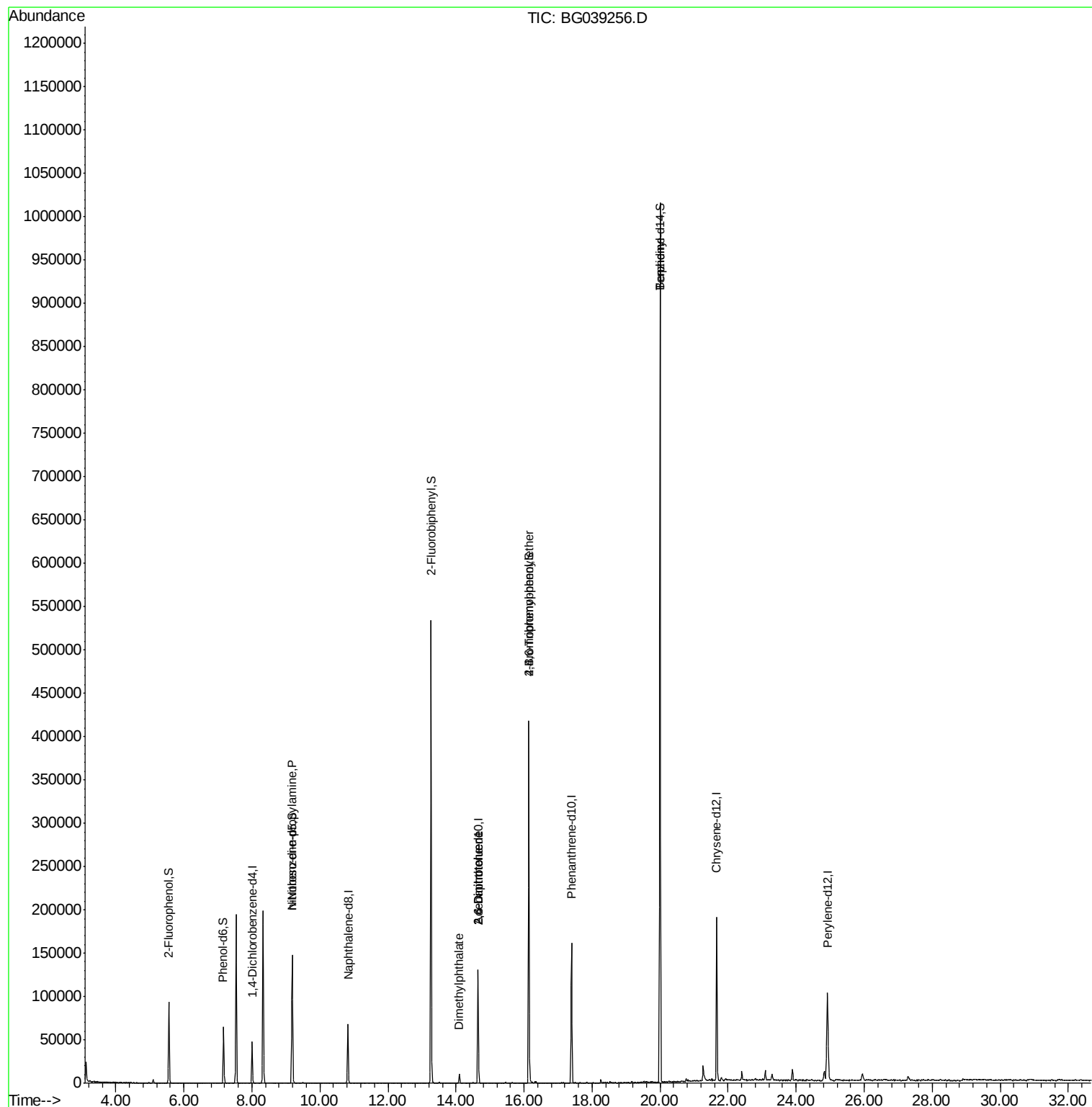
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	14852	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	62978	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	47933	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	113181	20.00	ng	-0.01
76) Chrysene-d12	21.66	240	122130	20.00	ng	-0.02
87) Perylene-d12	24.92	264	132079	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	42322	54.06	ng	0.00
7) Phenol-d6	7.16	99	39902	35.41	ng	-0.01
23) Nitrobenzene-d5	9.18	82	91642	79.62	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	90946	113.19	ng	-0.01
45) 2-Fluorobiphenyl	13.27	172	291799	83.31	ng	0.00
79) Terphenyl-d14	20.00	244	517957	78.45	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	12249	16.555	ng	# 68
50) Dimethylphthalate	14.09	163	9034	2.230	ng	# 92
51) 2,6-Dinitrotoluene	14.65	165	6483	7.159	ng	# 24
57) 2,4-Dinitrotoluene	14.65	165	6483	4.990	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	6169	4.240	ng	# 1
77) Benzidine	20.00	184	7833	2.097	ng	# 92

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

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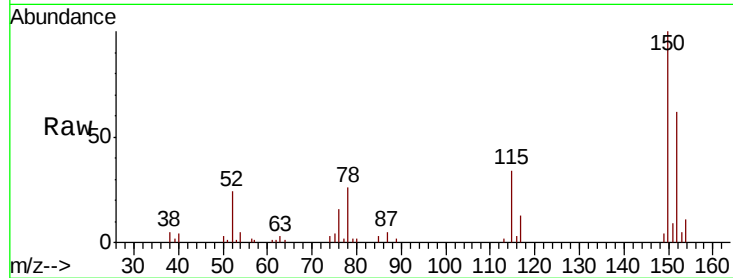


#1

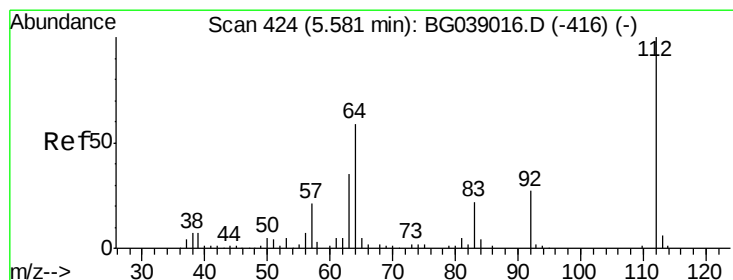
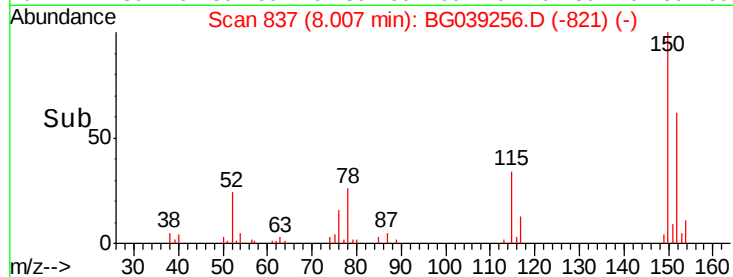
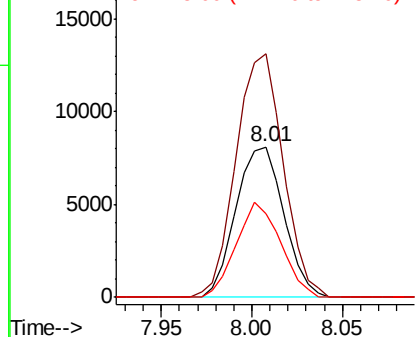
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG039256.D
Acq: 22 Jan 2019 18:23

Instrument :
BNA_G
ClientSampleId :
MANHOLE

Tgt Ion:152 Resp: 14852
Ion Ratio Lower Upper
152 100
150 161.5 124.7 187.1
115 55.3 46.5 69.7



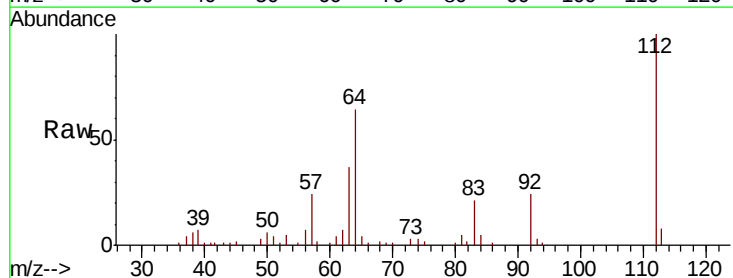
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



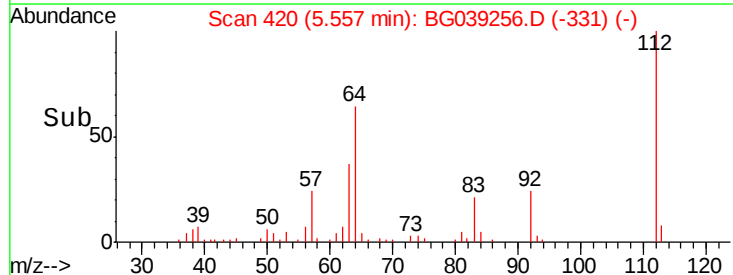
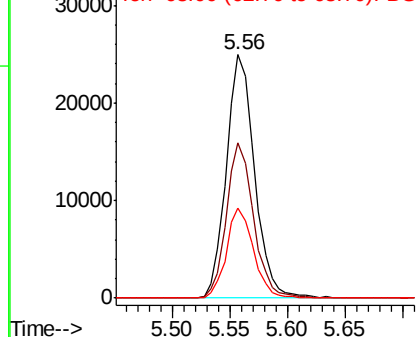
#5

2-Fluorophenol
Concen: 54.056 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG039256.D
Acq: 22 Jan 2019 18:23

Tgt Ion:112 Resp: 42322
Ion Ratio Lower Upper
112 100
64 63.7 47.0 70.6
63 37.0 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: 35.414 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG039256.D

Acq: 22 Jan 2019 18:23

Instrument :

BNA_G

ClientSampled :

MANHOLE

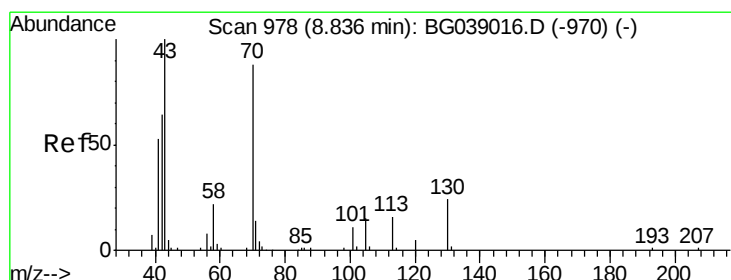
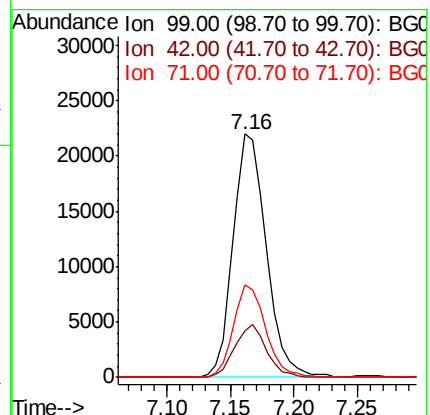
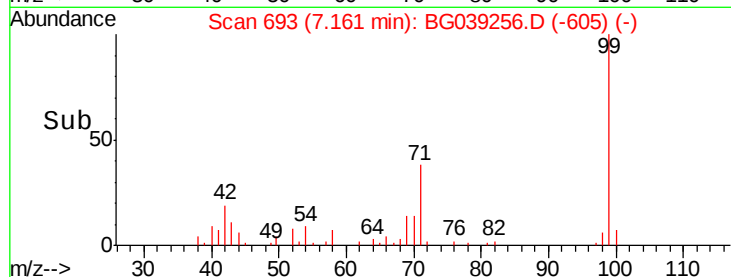
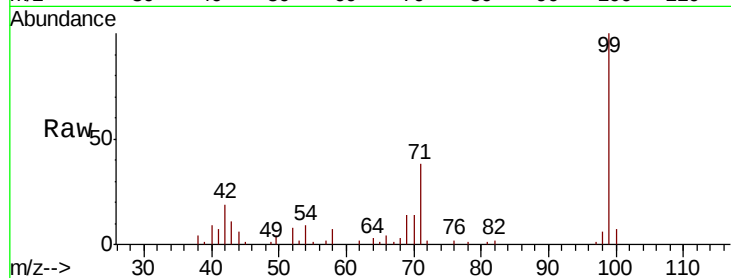
Tgt Ion: 99 Resp: 39902

Ion Ratio Lower Upper

99 100

42 19.2 15.8 23.6

71 37.8 30.2 45.4



#19

n-Nitroso-di-n-propylamine

Concen: 16.555 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.36 min

Lab File: BG039256.D

Acq: 22 Jan 2019 18:23

Tgt Ion: 70 Resp: 12249

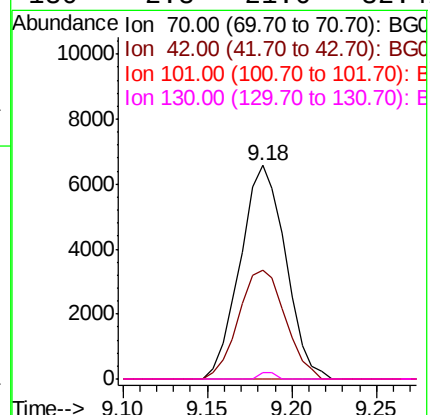
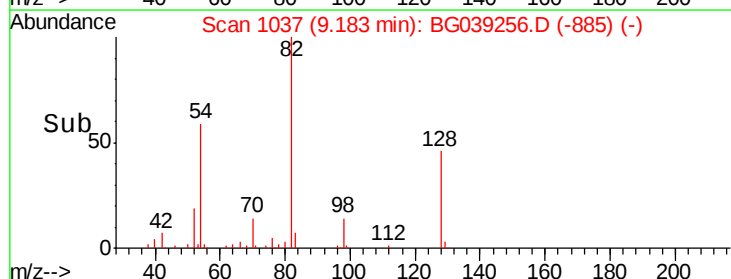
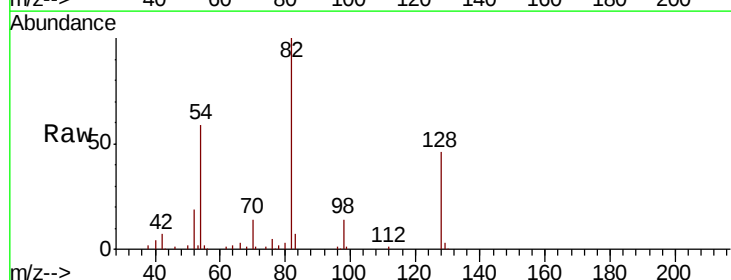
Ion Ratio Lower Upper

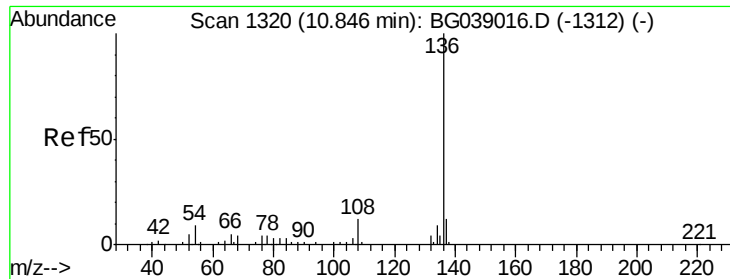
70 100

42 50.8 59.0 88.4#

101 0.0 10.4 15.6#

130 2.8 21.6 32.4#

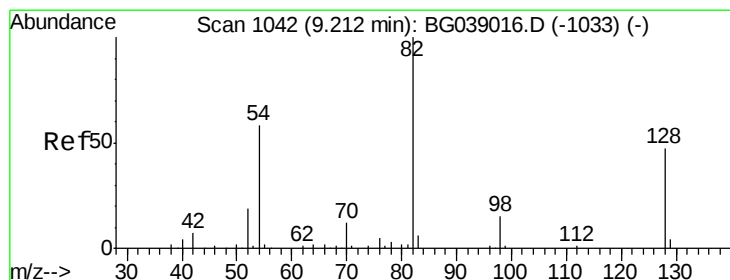
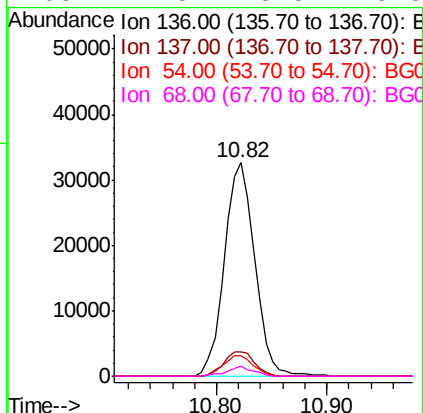
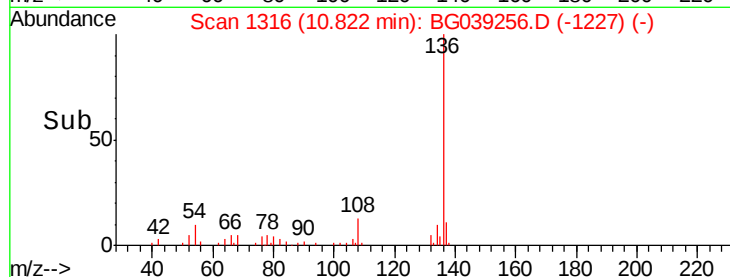
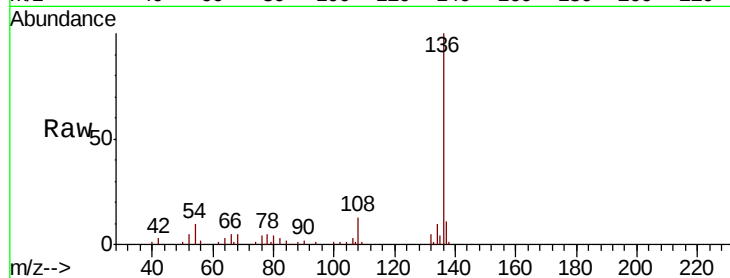




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG039256.D
Acq: 22 Jan 2019 18:23

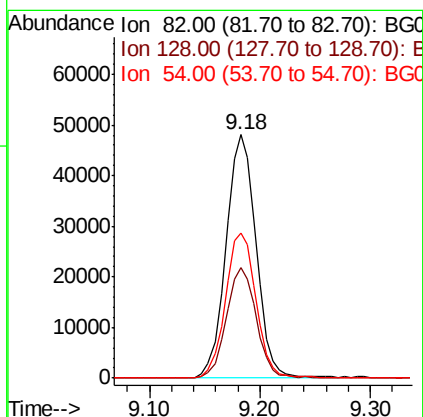
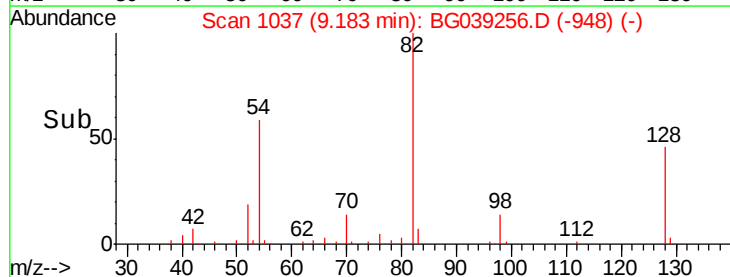
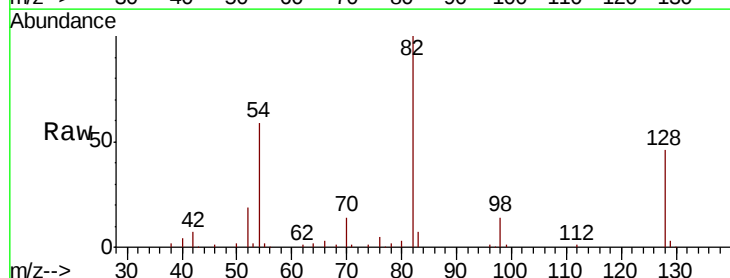
Instrument :
BNA_G
ClientSampleId :
MANHOLE

Tgt Ion:	136	Resp:	62978
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.4	14.2
54	9.5	7.2	10.8
68	4.8	3.5	5.3



#23
Nitrobenzene-d5
Concen: 79.625 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BG039256.D
Acq: 22 Jan 2019 18:23

Tgt Ion:	82	Resp:	91642
Ion	Ratio	Lower	Upper
82	100		
128	45.5	37.3	55.9
54	59.5	46.4	69.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG039256.D

Acq: 22 Jan 2019 18:23

Instrument :

BNA_G

ClientSampleId :

MANHOLE

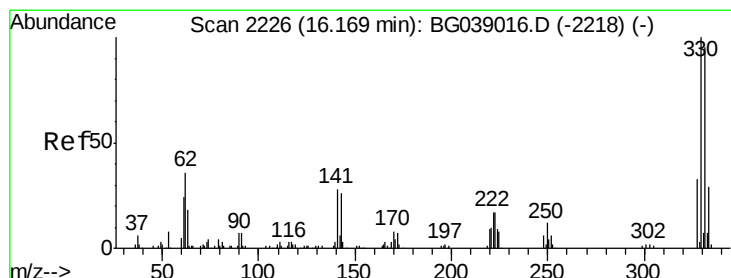
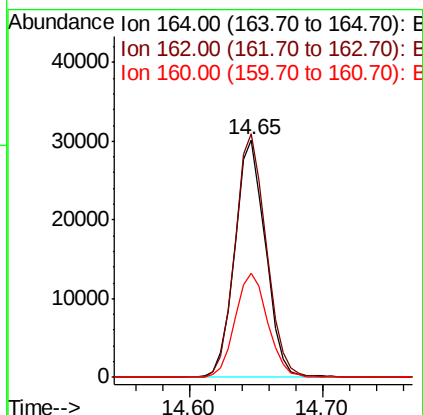
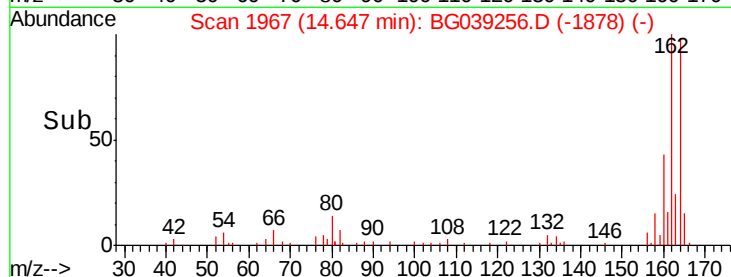
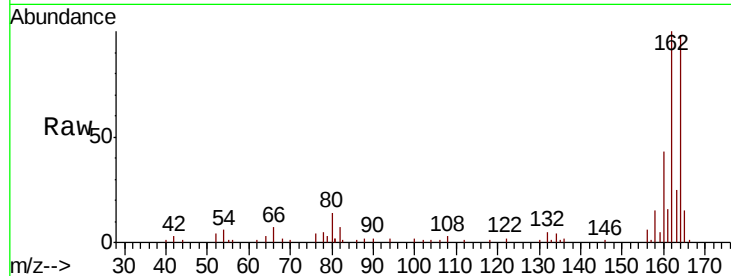
Tgt Ion:164 Resp: 47933

Ion Ratio Lower Upper

164 100

162 102.5 87.2 130.8

160 43.9 33.3 49.9



#42

2,4,6-Tribromophenol

Concen: 113.189 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BG039256.D

Acq: 22 Jan 2019 18:23

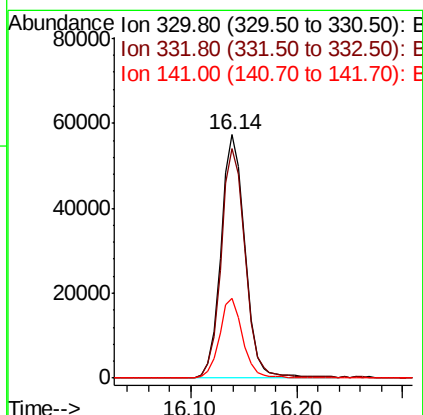
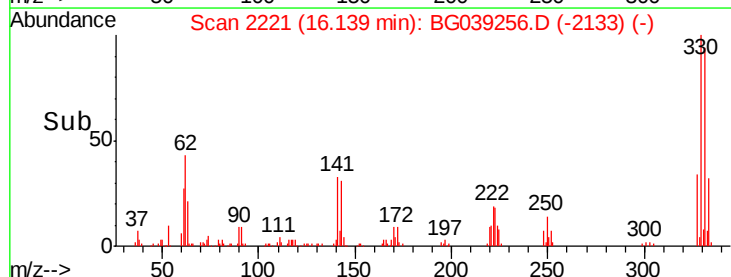
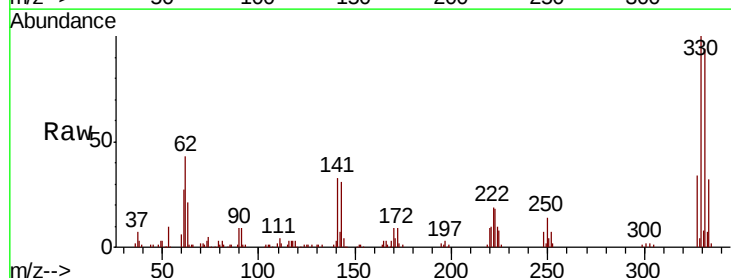
Tgt Ion:330 Resp: 90946

Ion Ratio Lower Upper

330 100

332 95.2 75.7 113.5

141 31.6 24.9 37.3

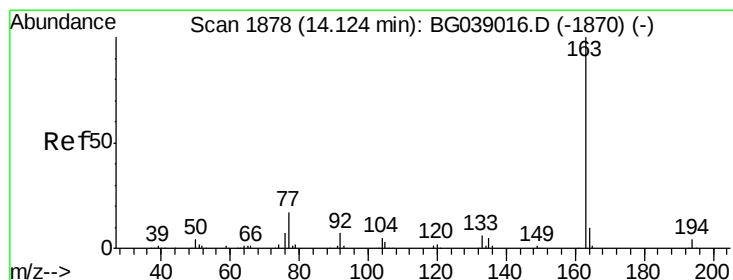
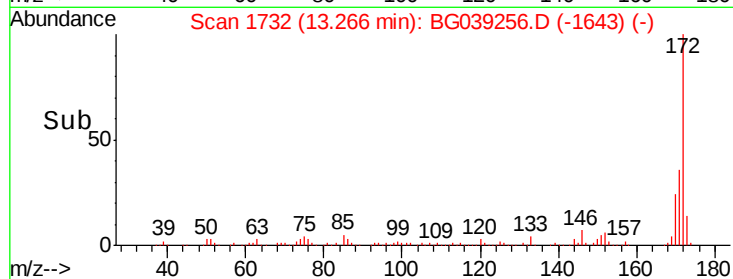
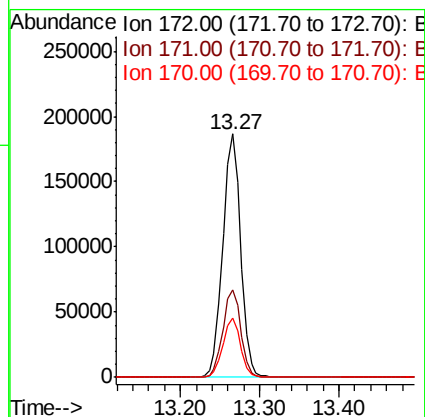
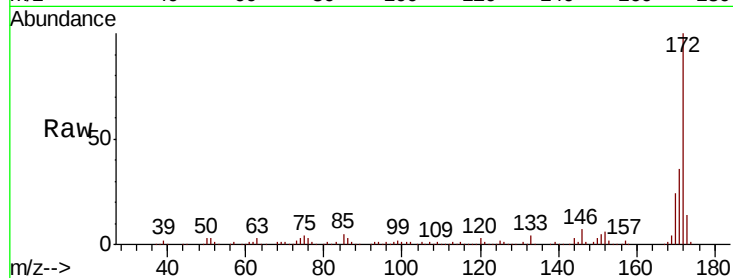




#45
 2-Fluorobiphenyl
 Concen: 83.313 ng
 RT: 13.27 min Scan# 1732
 Delta R.T. -0.01 min
 Lab File: BG039256.D
 Acq: 22 Jan 2019 18:23

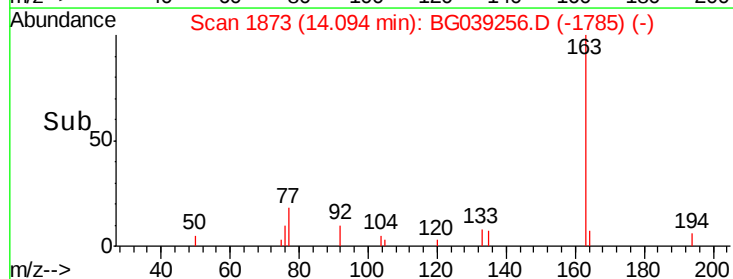
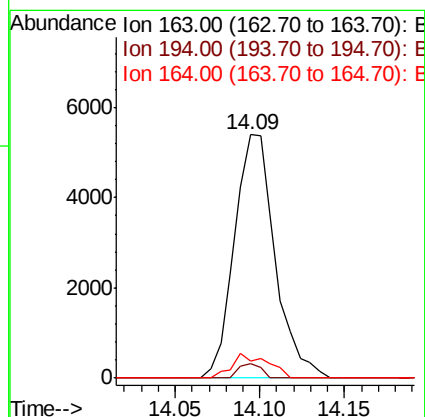
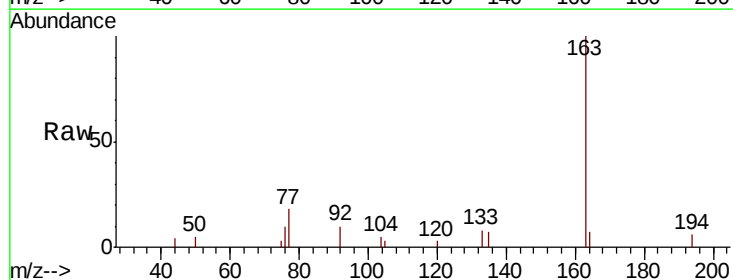
Instrument :
 BNA_G
 ClientSampleId :
 MANHOLE

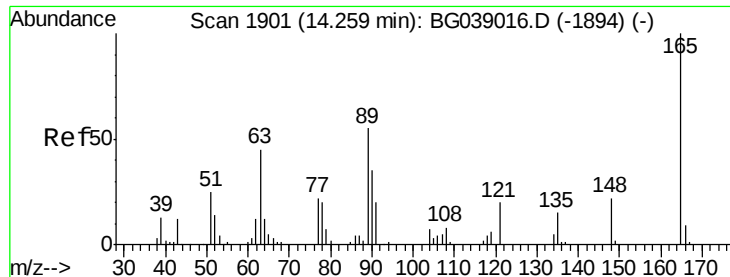
Tgt Ion:172 Resp: 291799
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.4 44.0
 170 24.1 20.1 30.1



#50
 Dimethylphthalate
 Concen: 2.230 ng
 RT: 14.09 min Scan# 1873
 Delta R.T. -0.01 min
 Lab File: BG039256.D
 Acq: 22 Jan 2019 18:23

Tgt Ion:163 Resp: 9034
 Ion Ratio Lower Upper
 163 100
 194 6.1 3.6 5.4#
 164 6.9 8.2 12.2#

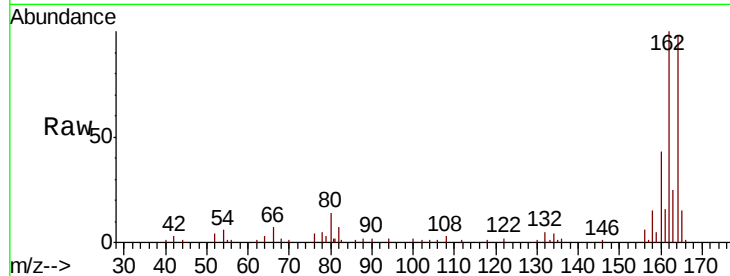




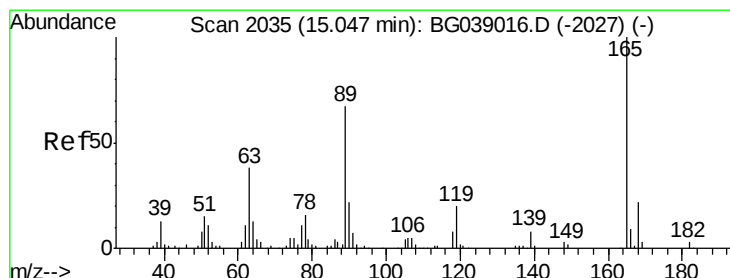
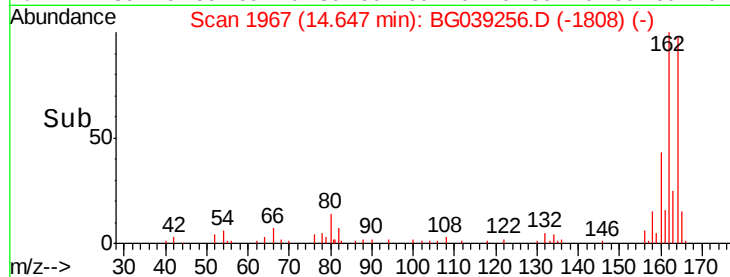
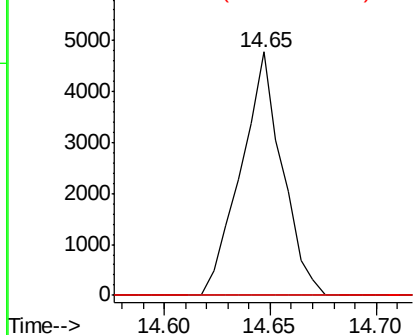
#51
 2,6-Dinitrotoluene
 Concen: 7.159 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. 0.40 min
 Lab File: BG039256.D
 Acq: 22 Jan 2019 18:23

Instrument :
 BNA_G
 ClientSampleId :
 MANHOLE

Tgt Ion:165 Resp: 6483
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.6 65.4#
 89 0.0 43.7 65.5#

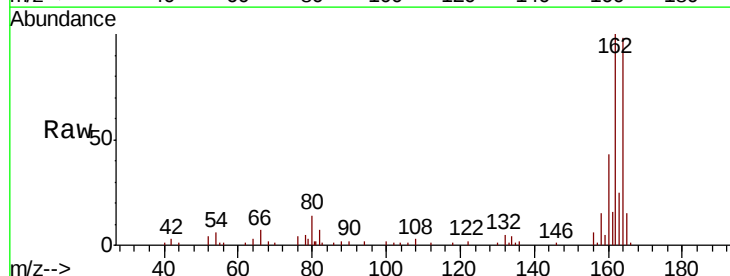


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

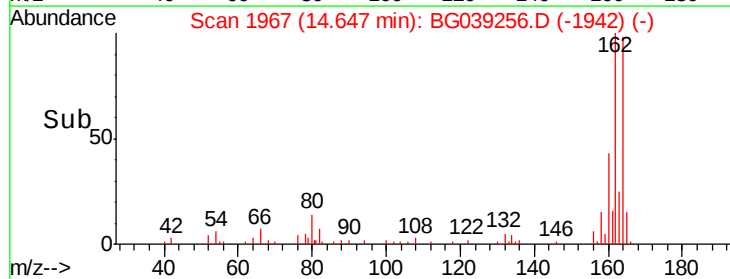
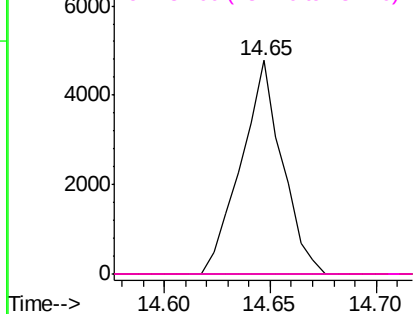


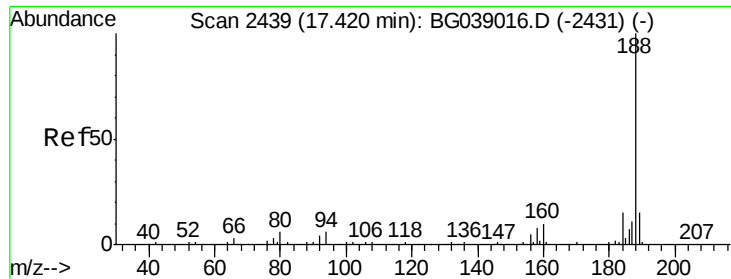
#57
 2,4-Dinitrotoluene
 Concen: 4.990 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. -0.38 min
 Lab File: BG039256.D
 Acq: 22 Jan 2019 18:23

Tgt Ion:165 Resp: 6483
 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: 17.39 min Scan# 2434

Delta R.T. -0.01 min

Lab File: BG039256.D

Acq: 22 Jan 2019 18:23

Instrument :

BNA_G

ClientSampleId :

MANHOLE

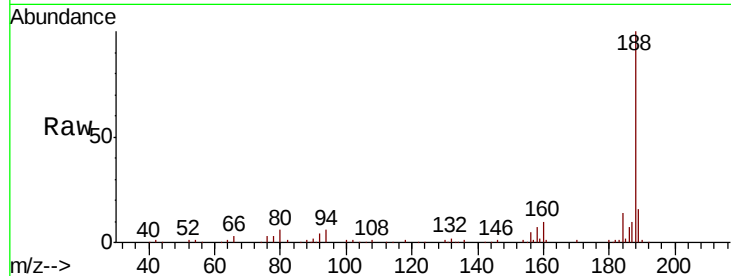
Tgt Ion:188 Resp: 113181

Ion Ratio Lower Upper

188 100

94 6.4 5.0 7.4

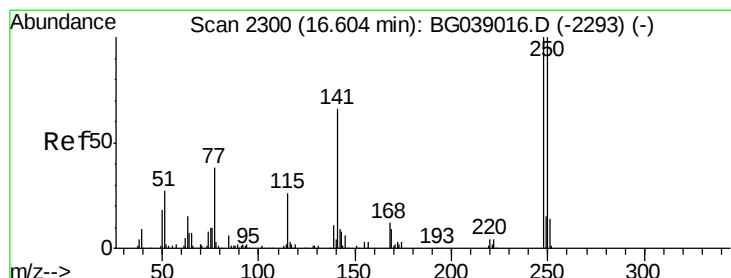
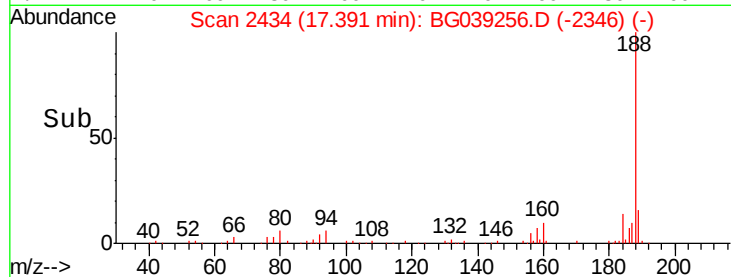
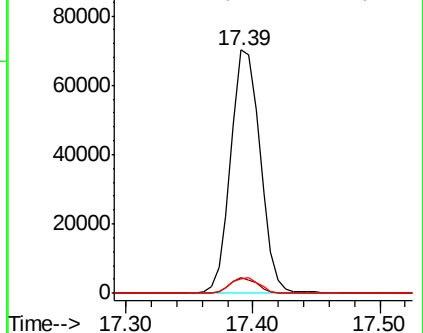
80 5.8 4.7 7.1



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: 4.240 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.45 min

Lab File: BG039256.D

Acq: 22 Jan 2019 18:23

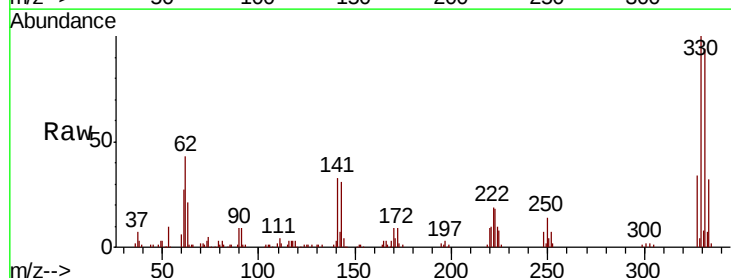
Tgt Ion:248 Resp: 6169

Ion Ratio Lower Upper

248 100

250 248.1 79.9 119.9#

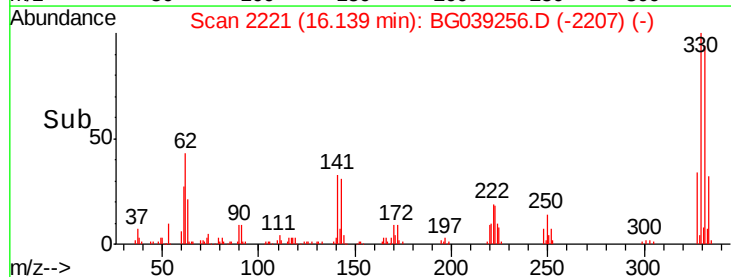
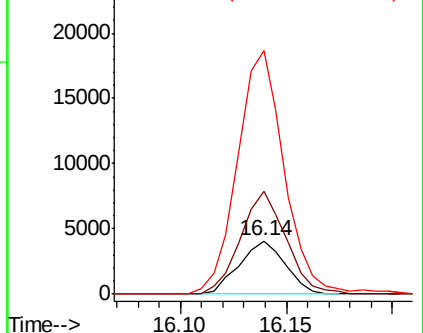
141 459.7 52.7 79.1#

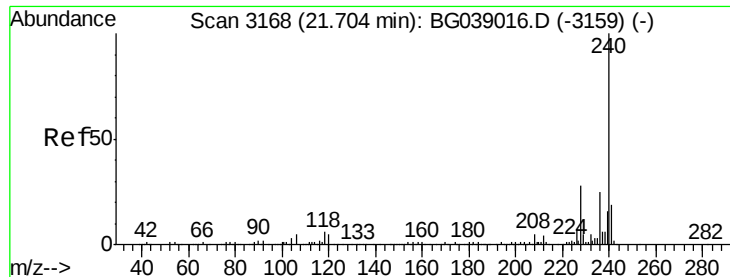


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

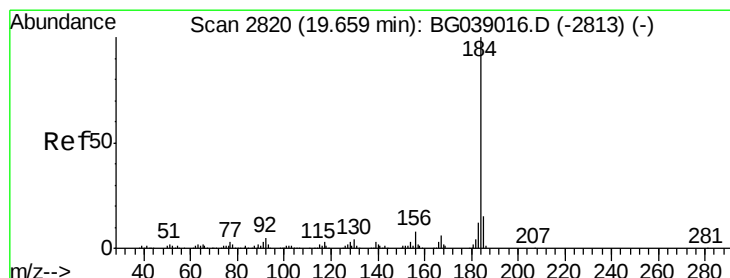
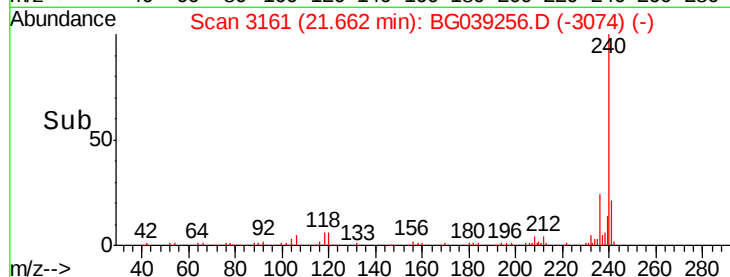
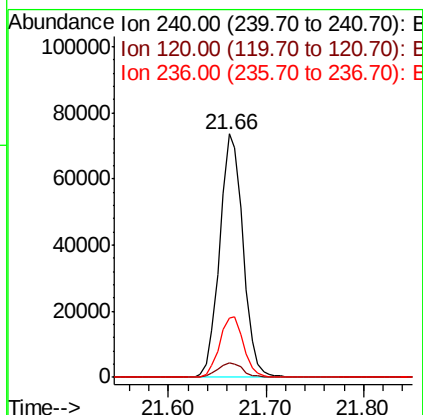
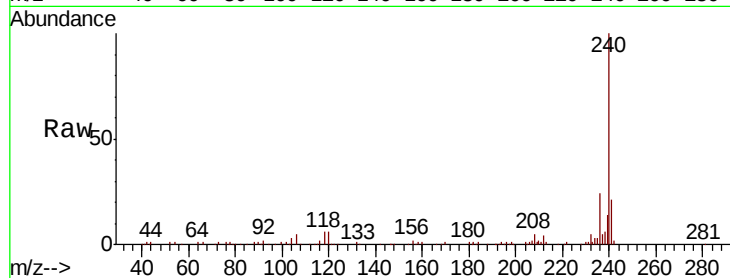




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3161
Delta R.T. -0.02 min
Lab File: BG039256.D
Acq: 22 Jan 2019 18:23

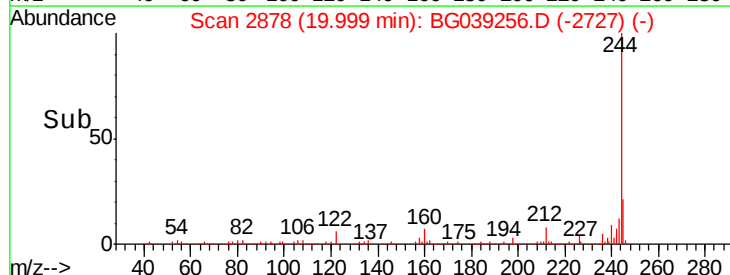
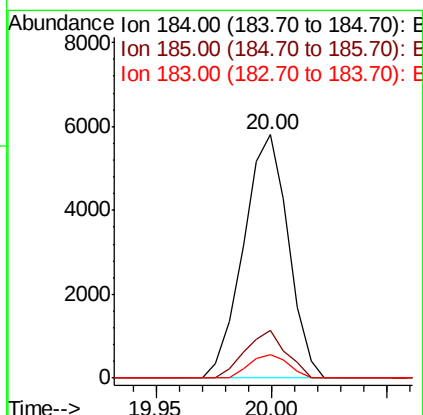
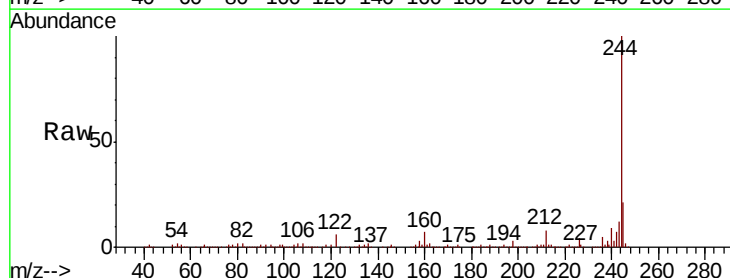
Instrument :
BNA_G
ClientSampleId :
MANHOLE

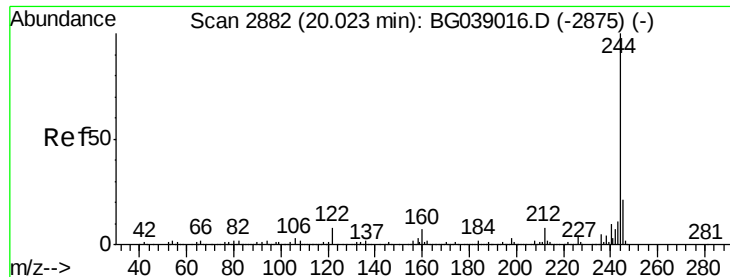
Tgt Ion:240 Resp: 122130
Ion Ratio Lower Upper
240 100
120 6.2 4.3 6.5
236 24.2 20.1 30.1



#77
Benzidine
Concen: 2.097 ng
RT: 20.00 min Scan# 2878
Delta R.T. 0.36 min
Lab File: BG039256.D
Acq: 22 Jan 2019 18:23

Tgt Ion:184 Resp: 7833
Ion Ratio Lower Upper
184 100
185 19.4 12.1 18.1#
183 9.6 9.5 14.3

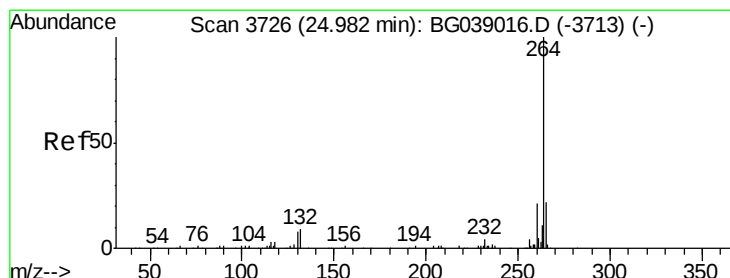
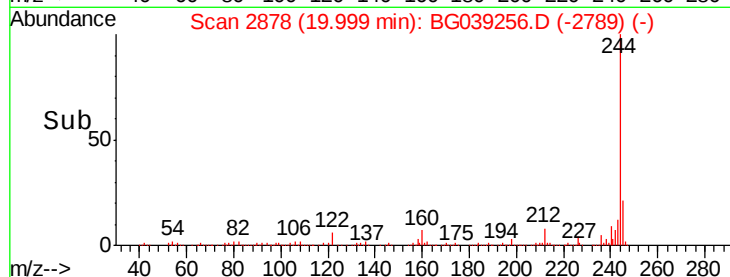
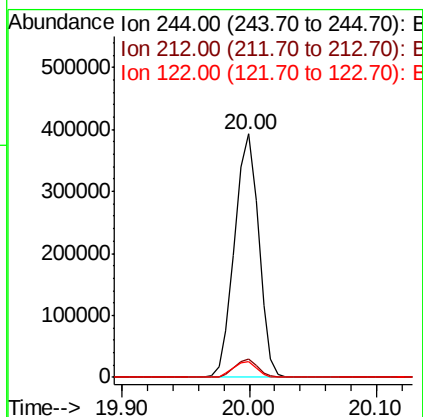
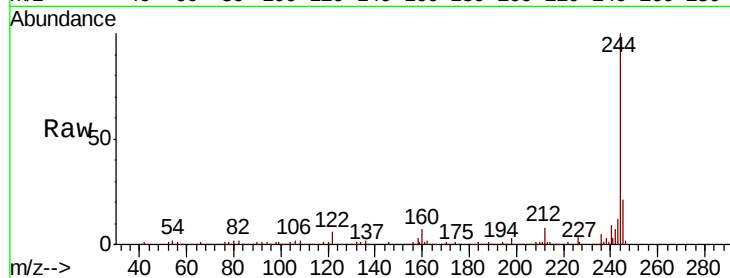




#79
 Terphenyl-d14
 Concen: 78.454 ng
 RT: 20.00 min Scan# 2878
 Delta R.T. -0.01 min
 Lab File: BG039256.D
 Acq: 22 Jan 2019 18:23

Instrument :
 BNA_G
 ClientSampleId :
 MANHOLE

Tgt Ion:244 Resp: 517957
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 6.5 6.1 9.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.92 min Scan# 3716
 Delta R.T. -0.03 min
 Lab File: BG039256.D
 Acq: 22 Jan 2019 18:23

Tgt Ion:264 Resp: 132079
 Ion Ratio Lower Upper
 264 100
 260 22.6 17.0 25.6
 265 21.6 17.2 25.8

