

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021119\
 Data File : BG039452.D
 Acq On : 12 Feb 2019 2:41
 Operator : JU/SJ
 Sample : PB116997TB
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB116997TB

Quant Time: Feb 12 04:38:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	49894	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	225305	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	158846	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	406571	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	426226	20.00	ng	-0.02
87) Perylene-d12	25.21	264	419245	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	384860	132.02	ng	0.00
7) Phenol-d6	7.31	99	553149	128.91	ng	-0.01
23) Nitrobenzene-d5	9.35	82	313465	86.92	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	198589	116.10	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	839641	75.83	ng	-0.02
79) Terphenyl-d14	20.13	244	1402363	69.64	ng	-0.02

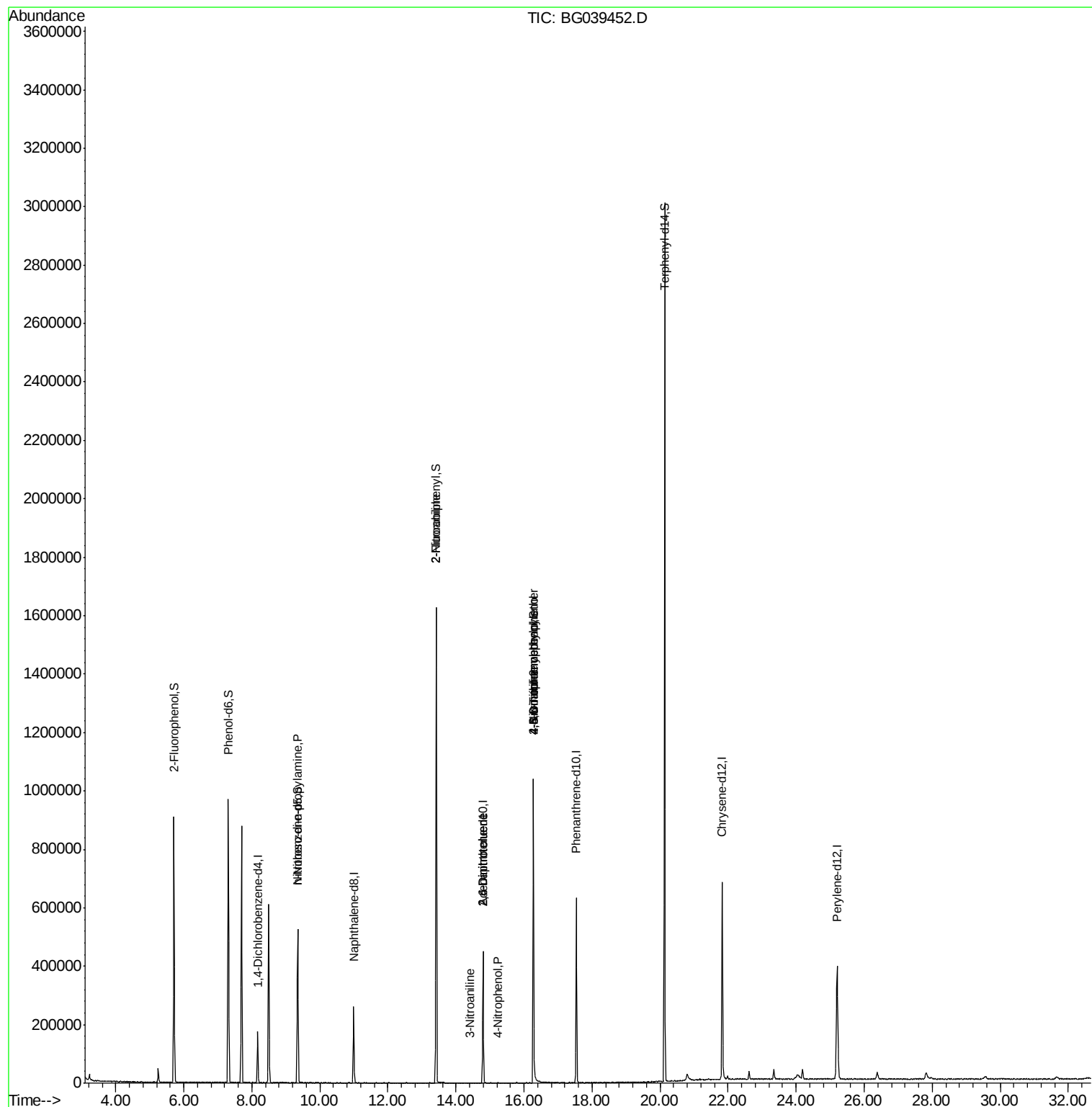
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.30	77	739	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.35	70	40172	13.190	ng	# 65
48) 2-Nitroaniline	13.42	65	1420	8.708	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	20812	14.053	ng	# 24
53) 3-Nitroaniline	14.42	138	57	5.812	ng	# 1
56) 4-Nitrophenol	15.23	139	58	5.817	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	20812	13.497	ng	# 19
62) 4-Nitroaniline	16.28	138	65	4.225	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.28	198	713	4.737	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	15131	3.355	ng	# 1

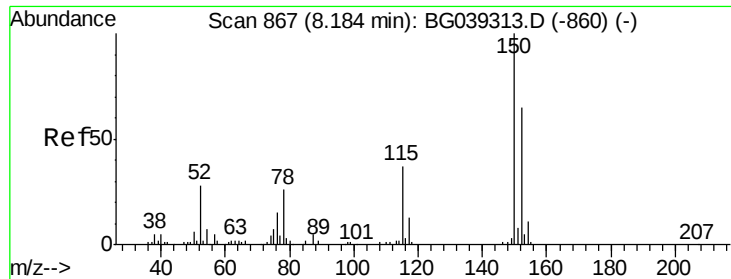
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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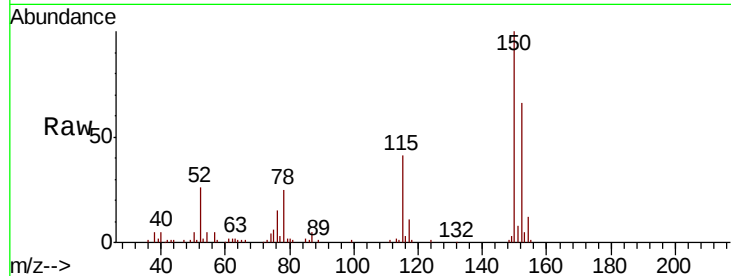


#1

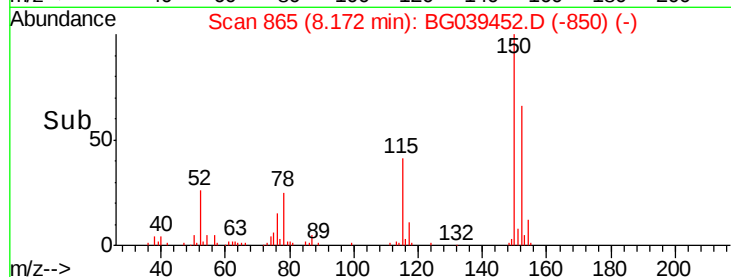
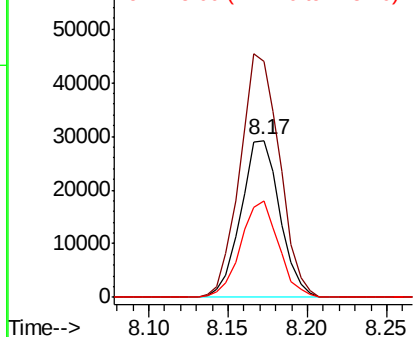
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039452.D
Acq: 12 Feb 2019 2:41

Instrument :
BNA_G
ClientSampleId :
PB116997TB

Tgt Ion:152 Resp: 49894
Ion Ratio Lower Upper
152 100
150 150.8 123.7 185.5
115 61.8 45.9 68.9



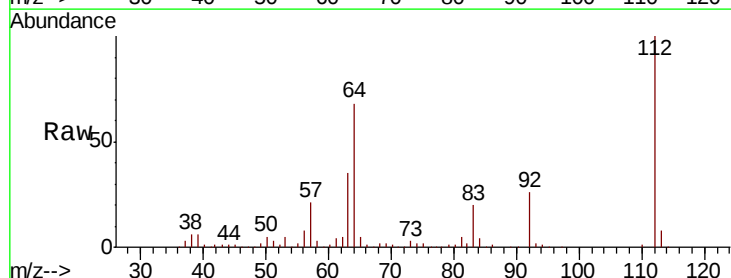
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



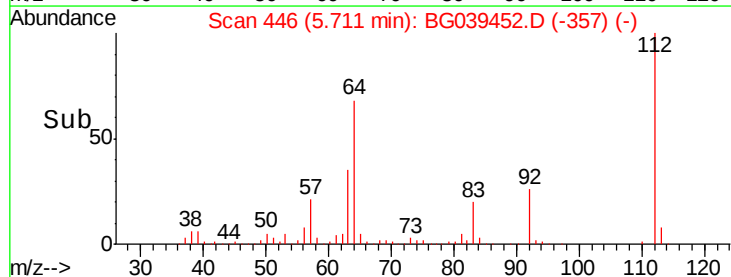
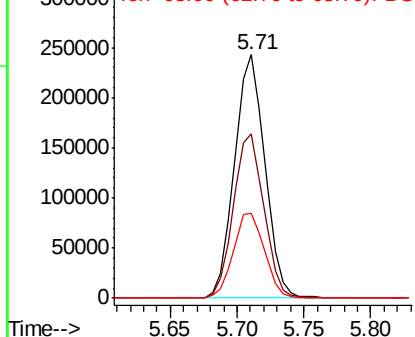
#5

2-Fluorophenol
Concen: 132.018 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039452.D
Acq: 12 Feb 2019 2:41

Tgt Ion:112 Resp: 384860
Ion Ratio Lower Upper
112 100
64 67.7 57.8 86.8
63 34.7 29.8 44.6



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: 128.906 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG039452.D

Acq: 12 Feb 2019 2:41

Instrument :

BNA_G

ClientSampleId :

PB116997TB

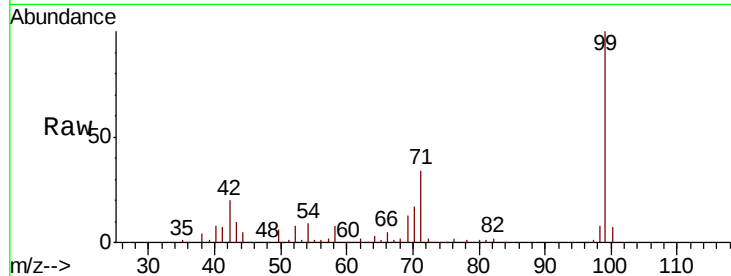
Tgt Ion: 99 Resp: 553149

Ion Ratio Lower Upper

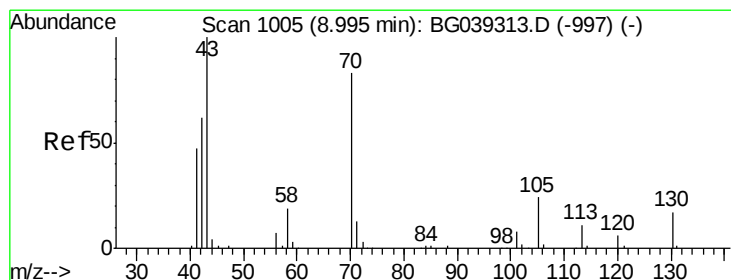
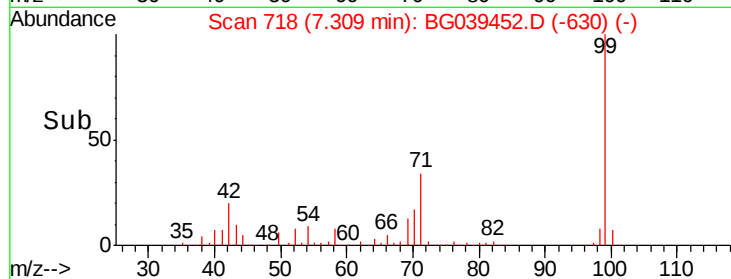
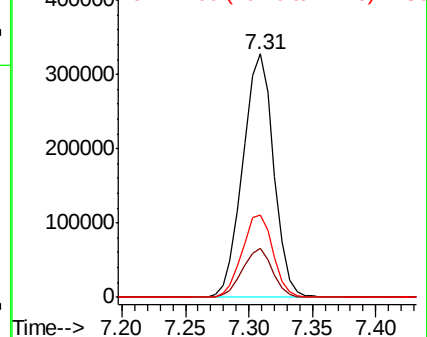
99 100

42 19.9 18.2 27.2

71 34.0 28.0 42.0



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: 13.190 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039452.D

Acq: 12 Feb 2019 2:41

Tgt Ion: 70 Resp: 40172

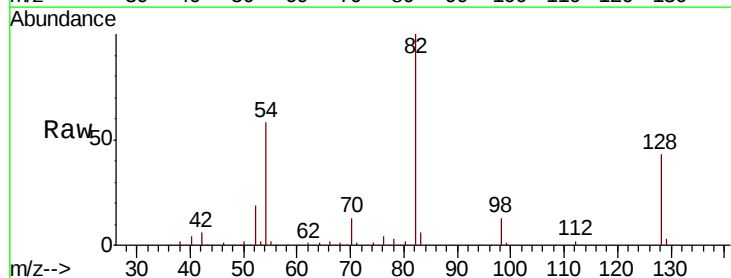
Ion Ratio Lower Upper

70 100

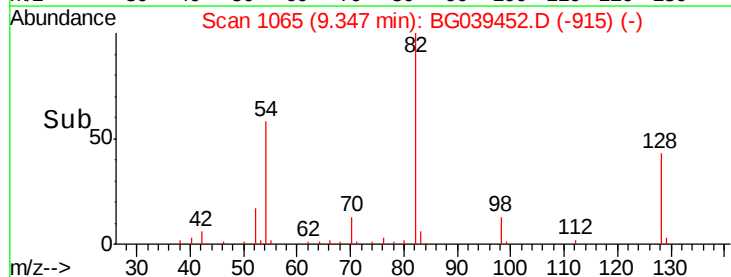
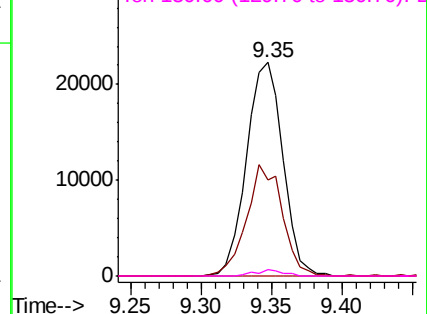
42 45.2 60.4 90.6#

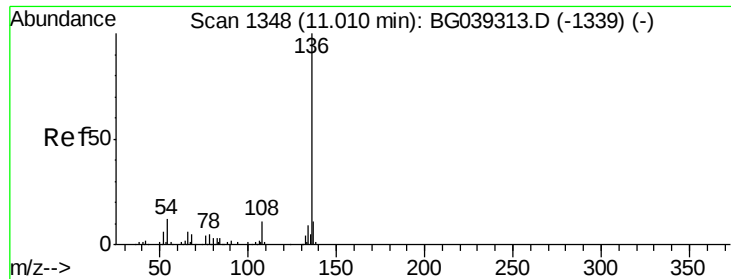
101 0.0 7.5 11.3#

130 3.0 16.9 25.3#



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

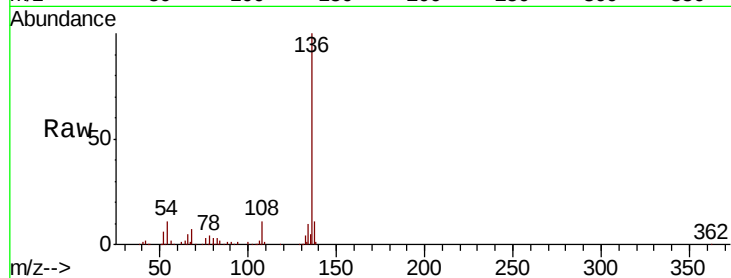




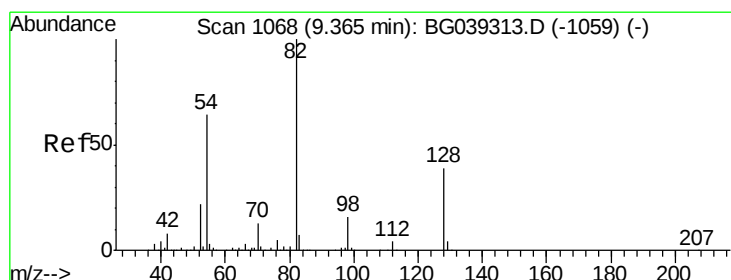
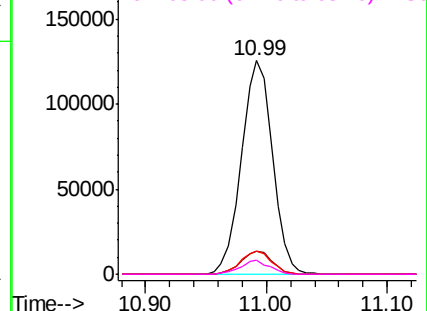
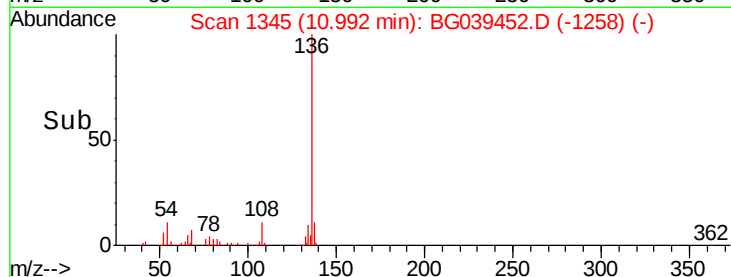
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039452.D
Acq: 12 Feb 2019 2:41

Instrument :
BNA_G
ClientSampleId :
PB116997TB

Tgt Ion:	136	Resp:	225305
Ion Ratio	Lower	Upper	
136	100		
137	10.5	9.1	13.7
54	10.8	9.4	14.2
68	6.9	4.2	6.4#

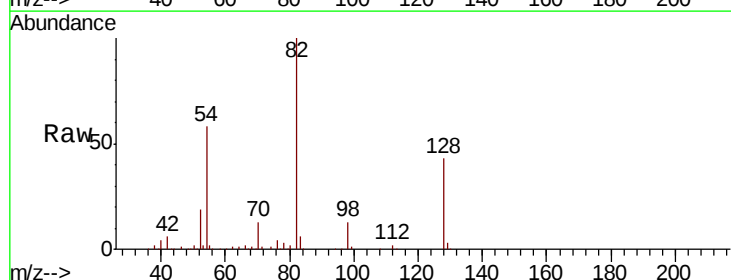


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

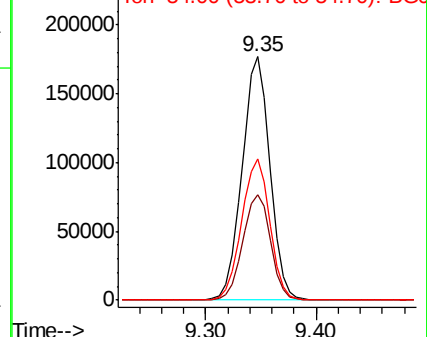
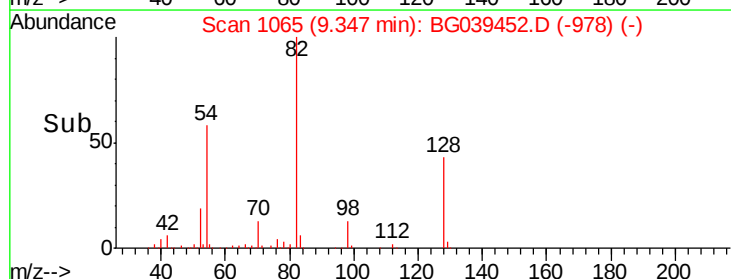


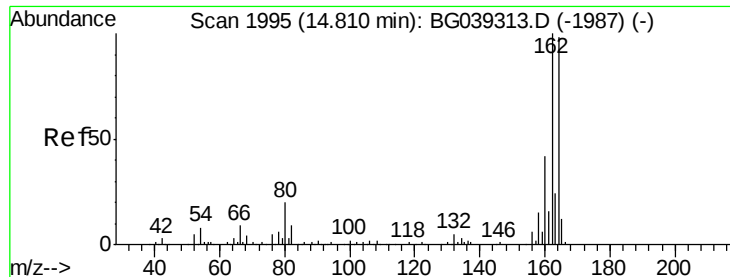
#23
Nitrobenzene-d5
Concen: 86.916 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039452.D
Acq: 12 Feb 2019 2:41

Tgt Ion:	82	Resp:	313465
Ion Ratio	Lower	Upper	
82	100		
128	43.2	31.3	46.9
54	58.1	50.9	76.3



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: 14.79 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BG039452.D

Acq: 12 Feb 2019 2:41

Instrument :

BNA_G

ClientSampled :

PB116997TB

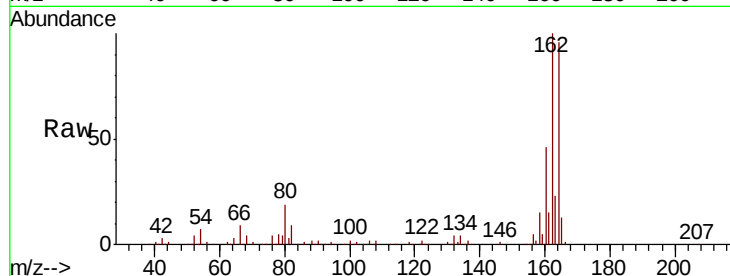
Tgt Ion:164 Resp: 158846

Ion Ratio Lower Upper

164 100

162 104.6 81.6 122.4

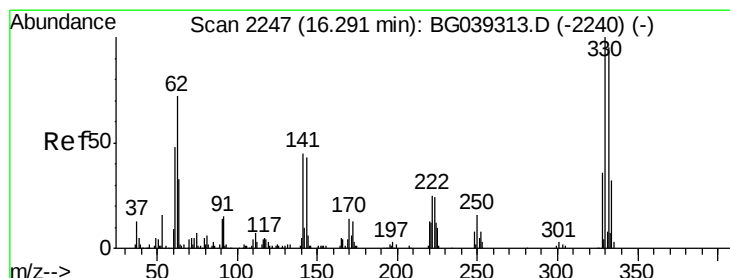
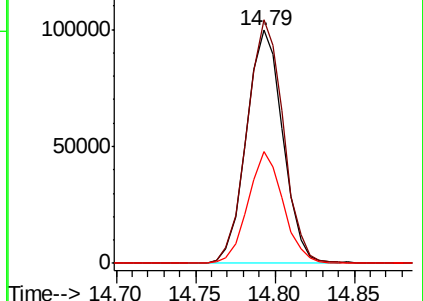
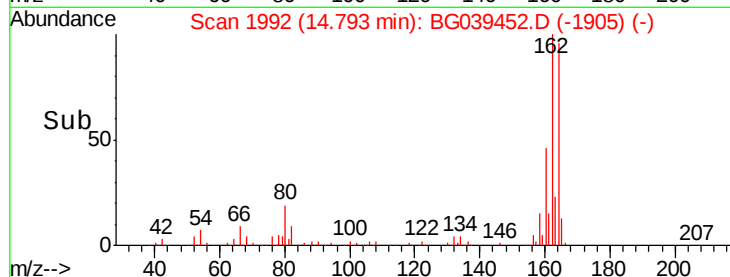
160 47.8 34.2 51.2



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: 116.100 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039452.D

Acq: 12 Feb 2019 2:41

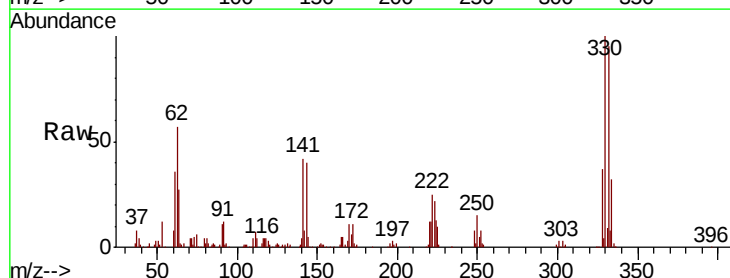
Tgt Ion:330 Resp: 198589

Ion Ratio Lower Upper

330 100

332 95.0 75.7 113.5

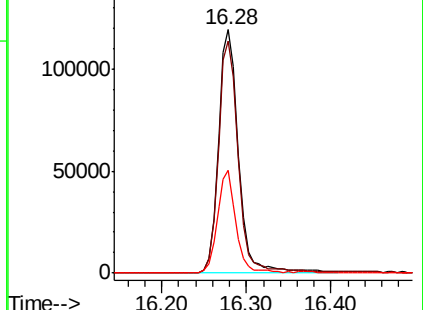
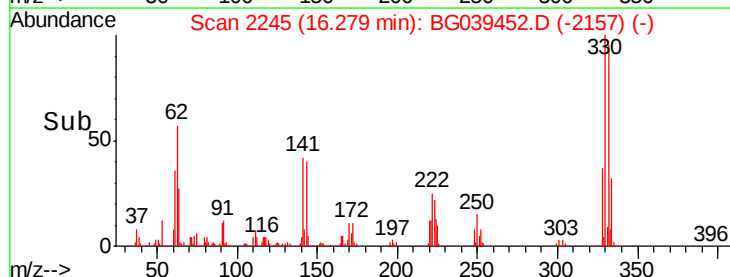
141 38.8 35.6 53.4



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

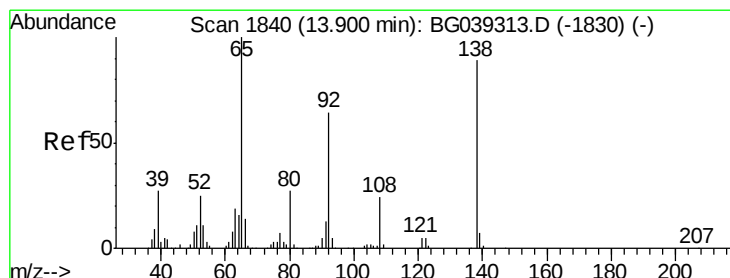
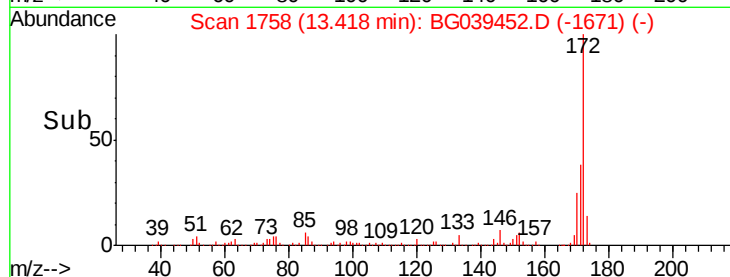
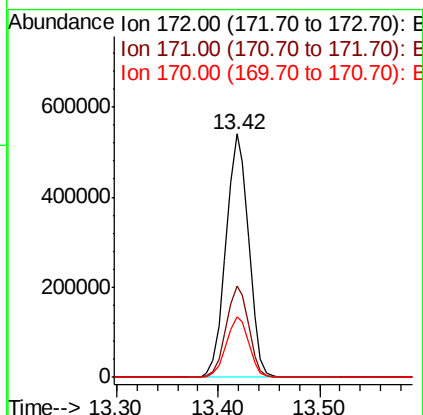
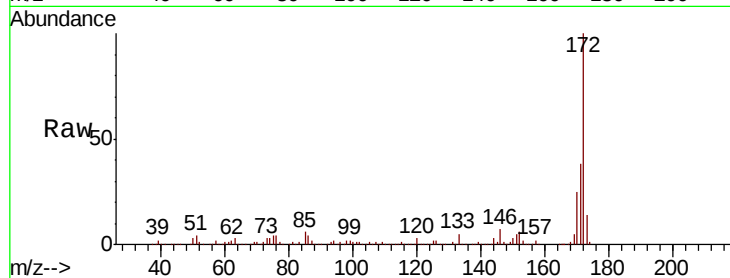




#45
2-Fluorobiphenyl
Concen: 75.829 ng
RT: 13.42 min Scan# 1758
Delta R.T. -0.02 min
Lab File: BG039452.D
Acq: 12 Feb 2019 2:41

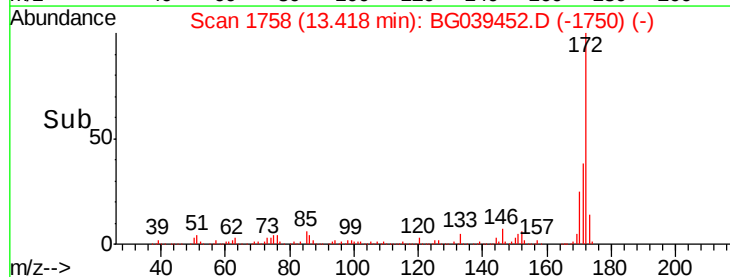
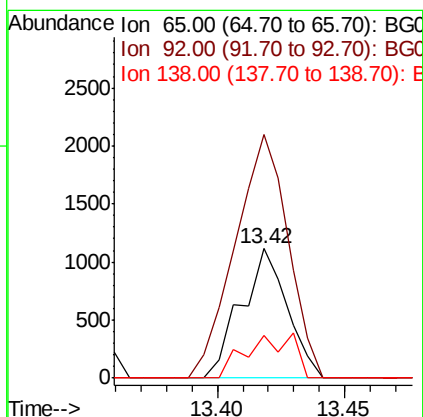
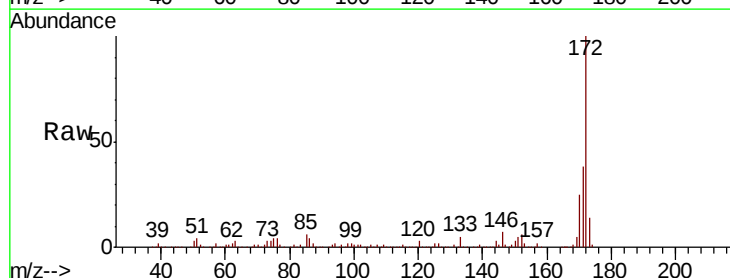
Instrument :
BNA_G
ClientSampleId :
PB116997TB

Tgt Ion: 172 Resp: 839641
Ion Ratio Lower Upper
172 100
171 37.5 30.8 46.2
170 25.1 20.2 30.4



#48
2-Nitroaniline
Concen: 8.708 ng
RT: 13.42 min Scan# 1758
Delta R.T. -0.48 min
Lab File: BG039452.D
Acq: 12 Feb 2019 2:41

Tgt Ion: 65 Resp: 1420
Ion Ratio Lower Upper
65 100
92 188.6 51.4 77.2#
138 33.3 71.4 107.2#

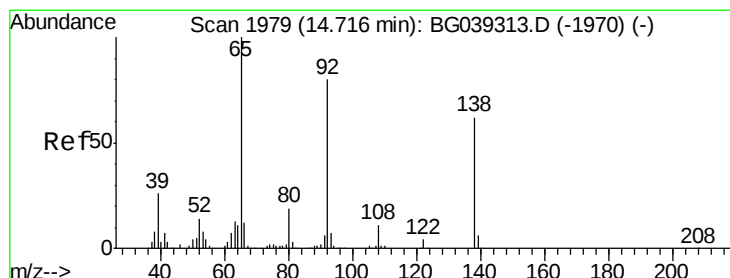
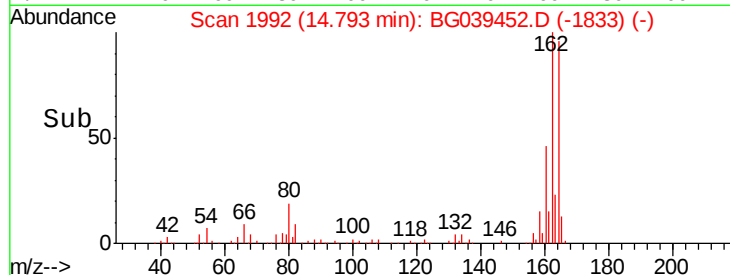
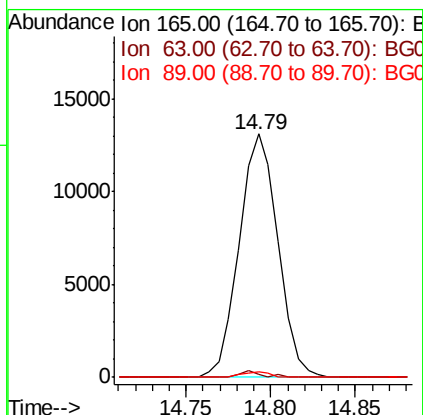
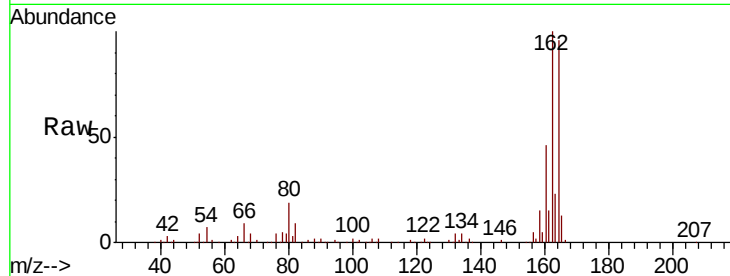




#51
 2,6-Dinitrotoluene
 Concen: 14.053 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. 0.41 min
 Lab File: BG039452.D
 Acq: 12 Feb 2019 2:41

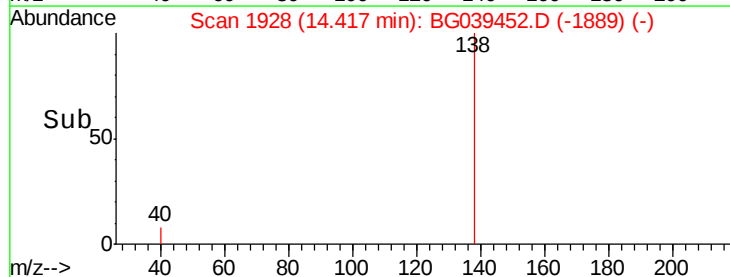
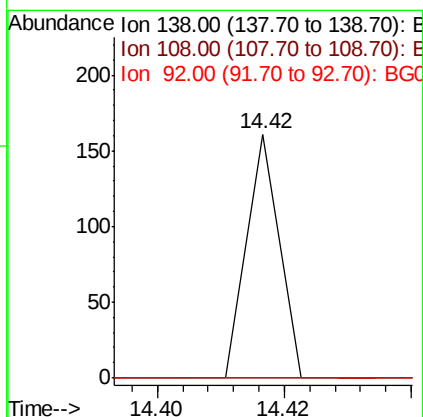
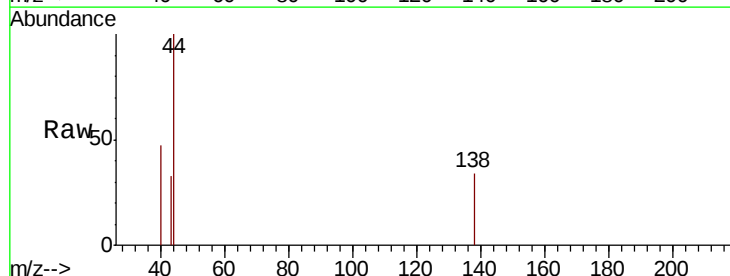
Instrument :
 BNA_G
 ClientSampleId :
 PB116997TB

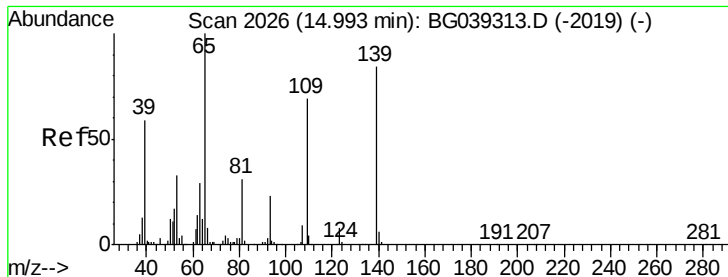
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	47.0	70.6#
89	2.2	45.8	68.8#



#53
 3-Nitroaniline
 Concen: 5.812 ng
 RT: 14.42 min Scan# 1928
 Delta R.T. -0.30 min
 Lab File: BG039452.D
 Acq: 12 Feb 2019 2:41

Tgt Ion	Ratio	Lower	Upper
138	100		
108	0.0	13.8	20.8#
92	0.0	103.7	155.5#





#56

4-Nitrophenol

Concen: 5.817 ng

RT: 15.23 min Scan# 2066

Delta R.T. 0.24 min

Lab File: BG039452.D

Acq: 12 Feb 2019 2:41

Instrument :

BNA_G

ClientSampleId :

PB116997TB

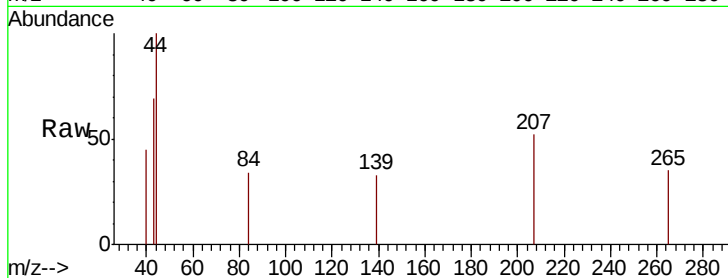
Tgt Ion:139 Resp: 58

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

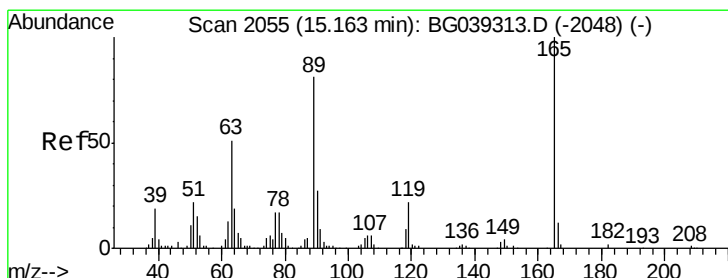
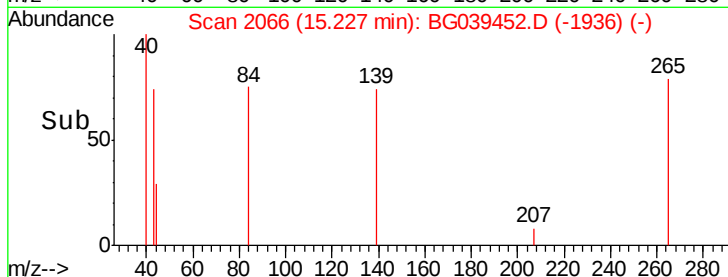
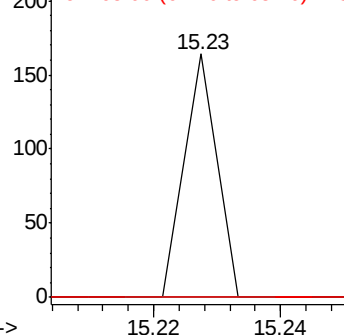
65 0.0 99.1 139.1#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#57

2,4-Dinitrotoluene

Concen: 13.497 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039452.D

Acq: 12 Feb 2019 2:41

Tgt Ion:165 Resp: 20812

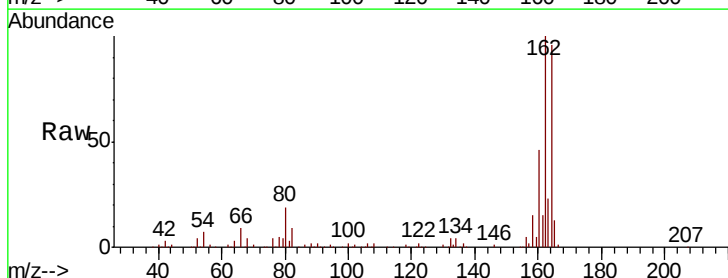
Ion Ratio Lower Upper

165 100

63 1.4 41.0 61.6#

89 2.2 64.6 96.8#

182 0.0 2.0 3.0#

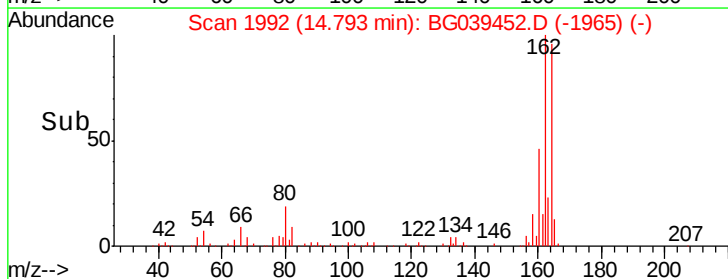
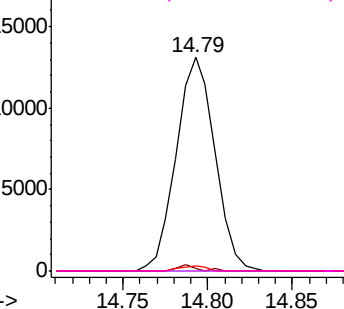


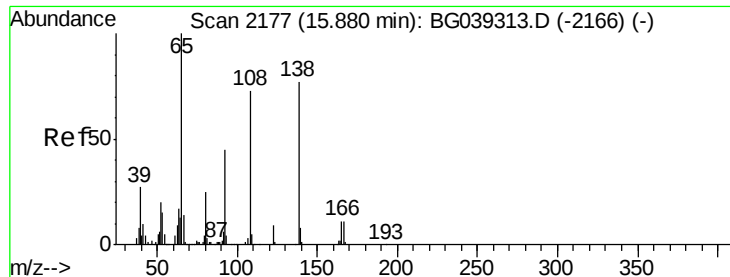
Abundance Ion 165.00 (164.70 to 165.70): E

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





#62

4-Nitroaniline

Concen: 4.225 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.40 min

Lab File: BG039452.D

Acq: 12 Feb 2019 2:41

Instrument :

BNA_G

ClientSampleId :

PB116997TB

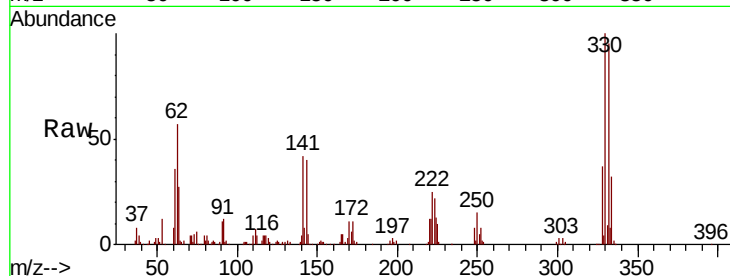
Tgt Ion:138 Resp: 65

Ion Ratio Lower Upper

138 100

92 724.3 38.7 78.7#

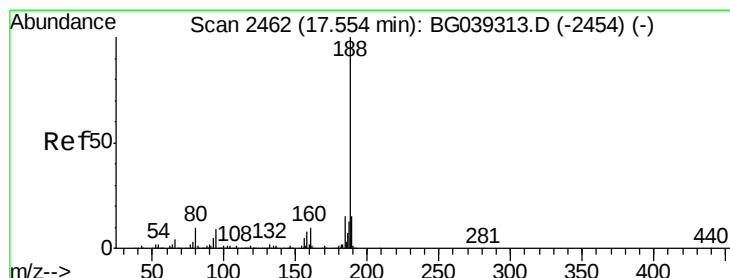
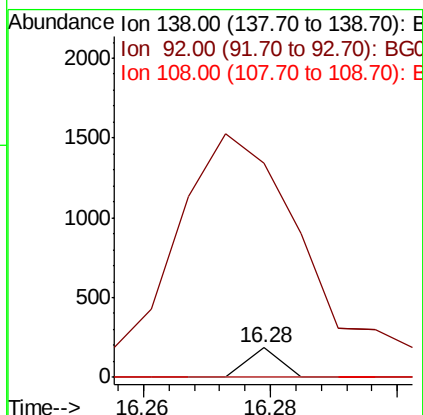
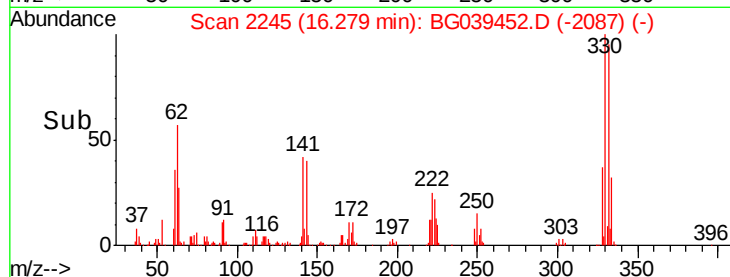
108 0.0 74.6 114.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039452.D

Acq: 12 Feb 2019 2:41

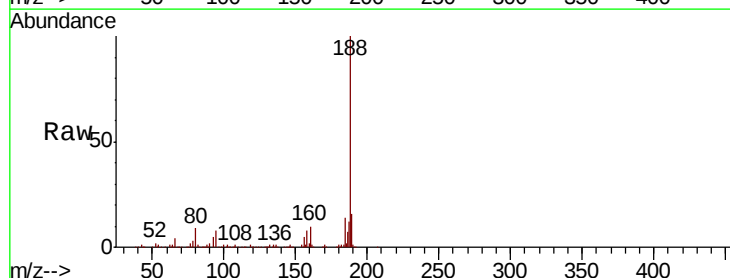
Tgt Ion:188 Resp: 406571

Ion Ratio Lower Upper

188 100

94 7.7 6.9 10.3

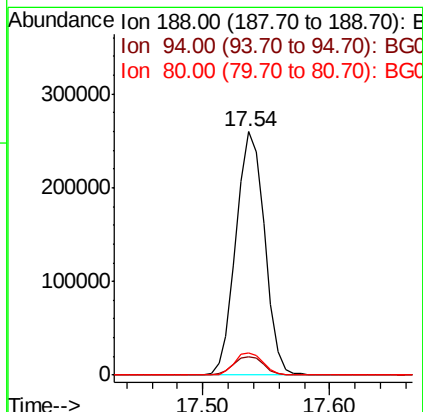
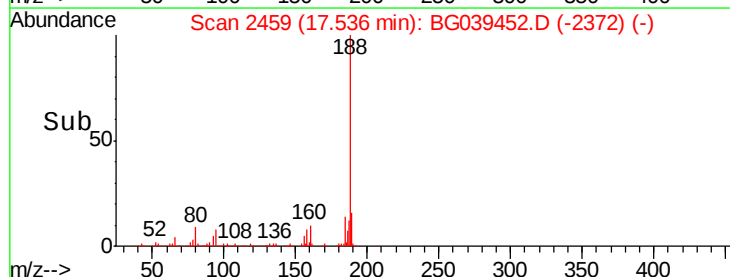
80 9.3 8.1 12.1

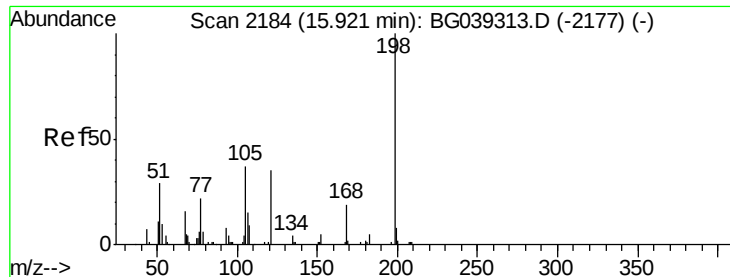


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG





#65

4,6-Dinitro-2-methylphenol

Concen: 4.737 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039452.D

Acq: 12 Feb 2019 2:41

Instrument :

BNA_G

ClientSampleId :

PB116997TB

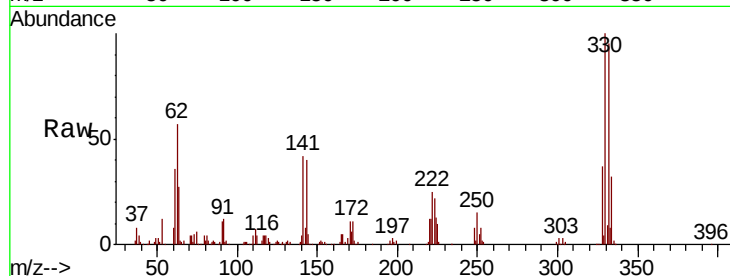
Tgt Ion:198 Resp: 713

Ion Ratio Lower Upper

198 100

51 121.7 27.4 67.4#

105 95.6 19.7 59.7#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E

1000

800

600

400

200

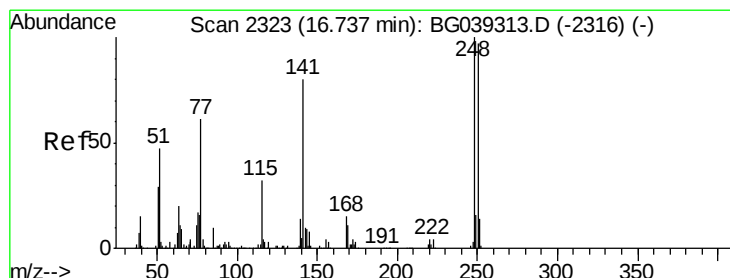
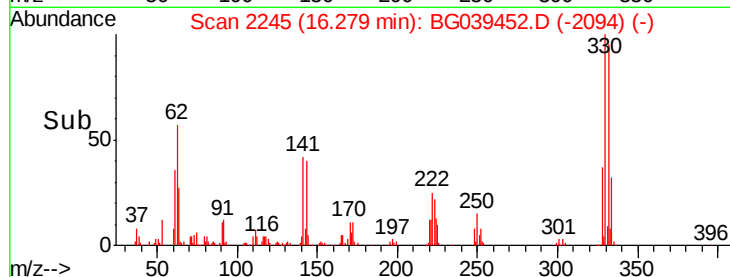
0

16.25

16.30

16.28

Time-->



#67

4-Bromophenyl-phenylether

Concen: 3.355 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.46 min

Lab File: BG039452.D

Acq: 12 Feb 2019 2:41

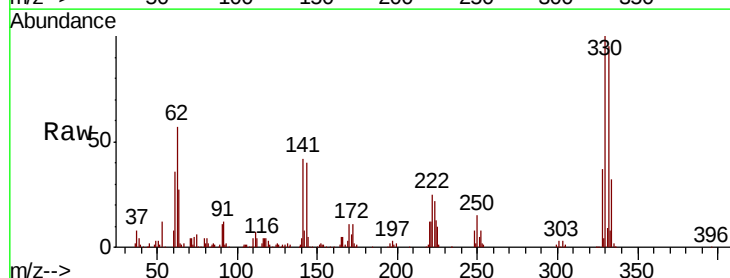
Tgt Ion:248 Resp: 15131

Ion Ratio Lower Upper

248 100

250 190.2 77.6 116.4#

141 531.2 63.9 95.9#



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

60000

40000

20000

0

16.20

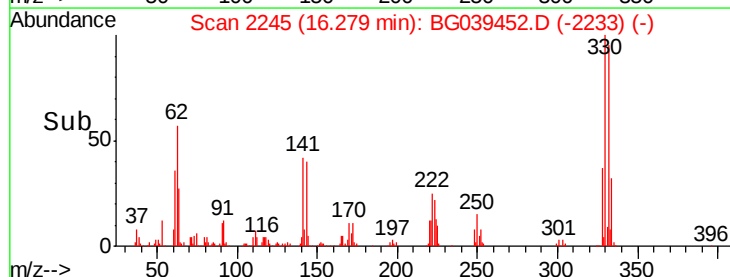
16.25

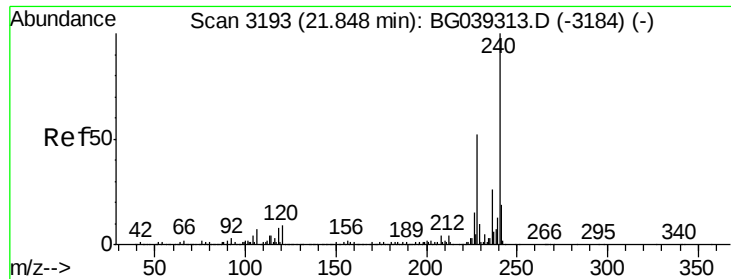
16.30

16.35

16.28

Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.82 min Scan# 3189

Delta R.T. -0.02 min

Lab File: BG039452.D

Acq: 12 Feb 2019 2:41

Instrument :

BNA_G

ClientSampleId :

PB116997TB

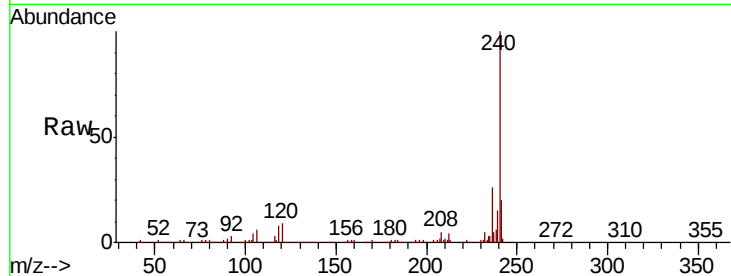
Tgt Ion:240 Resp: 426226

Ion Ratio Lower Upper

240 100

120 9.4 7.0 10.6

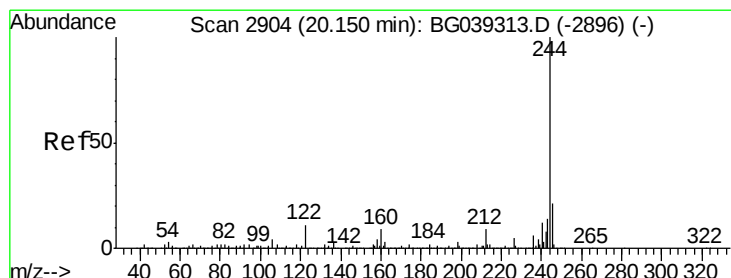
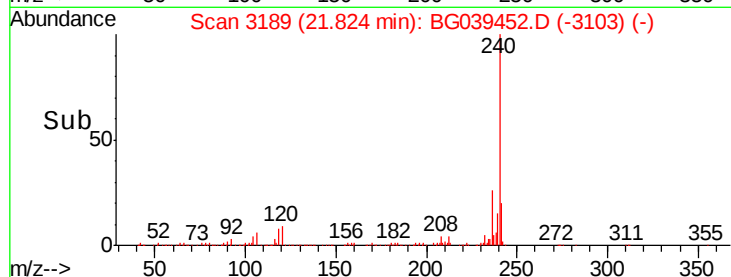
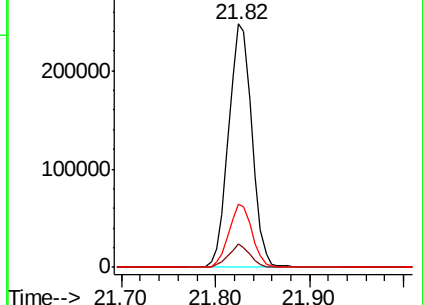
236 26.2 21.0 31.4



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



#79

Terphenyl-d14

Concen: 69.643 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039452.D

Acq: 12 Feb 2019 2:41

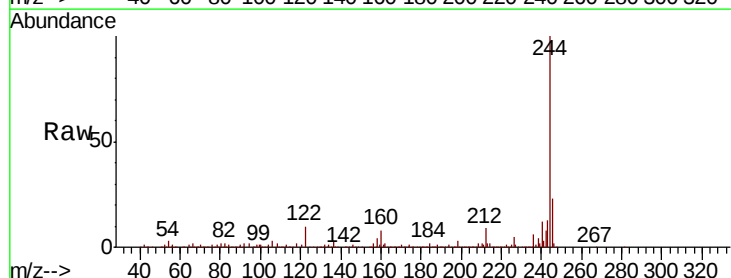
Tgt Ion:244 Resp: 1402363

Ion Ratio Lower Upper

244 100

212 8.7 7.3 10.9

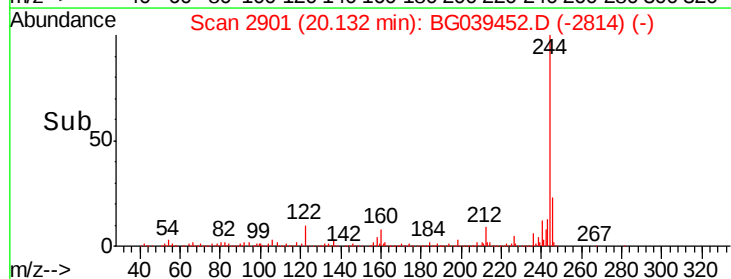
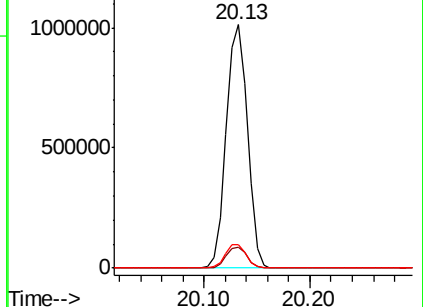
122 9.8 8.4 12.6

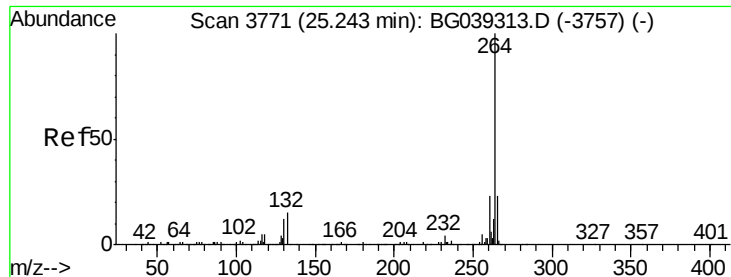


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.21 min Scan# 3765
Delta R.T. -0.04 min
Lab File: BG039452.D
Acq: 12 Feb 2019 2:41

Instrument :
BNA_G
ClientSampleId :
PB116997TB

Tgt Ion:	264	Resp:	419245
Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.2	27.4
265	21.3	18.5	27.7

