

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021919\
 Data File : BG039558.D
 Acq On : 19 Feb 2019 17:04
 Operator : JU/SJ
 Sample : K1518-20
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-MH-C05

Quant Time: Feb 19 23:50:33 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	48077	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	210281	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	148809	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	367319	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	371358	20.00	ng	-0.03
87) Perylene-d12	25.20	264	331931	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	368476	131.17	ng	0.00
7) Phenol-d6	7.31	99	478876	115.82	ng	0.00
23) Nitrobenzene-d5	9.35	82	369514	109.78	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	237109	147.97	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	904284	87.17	ng	-0.02
79) Terphenyl-d14	20.12	244	1472872	83.95	ng	-0.03

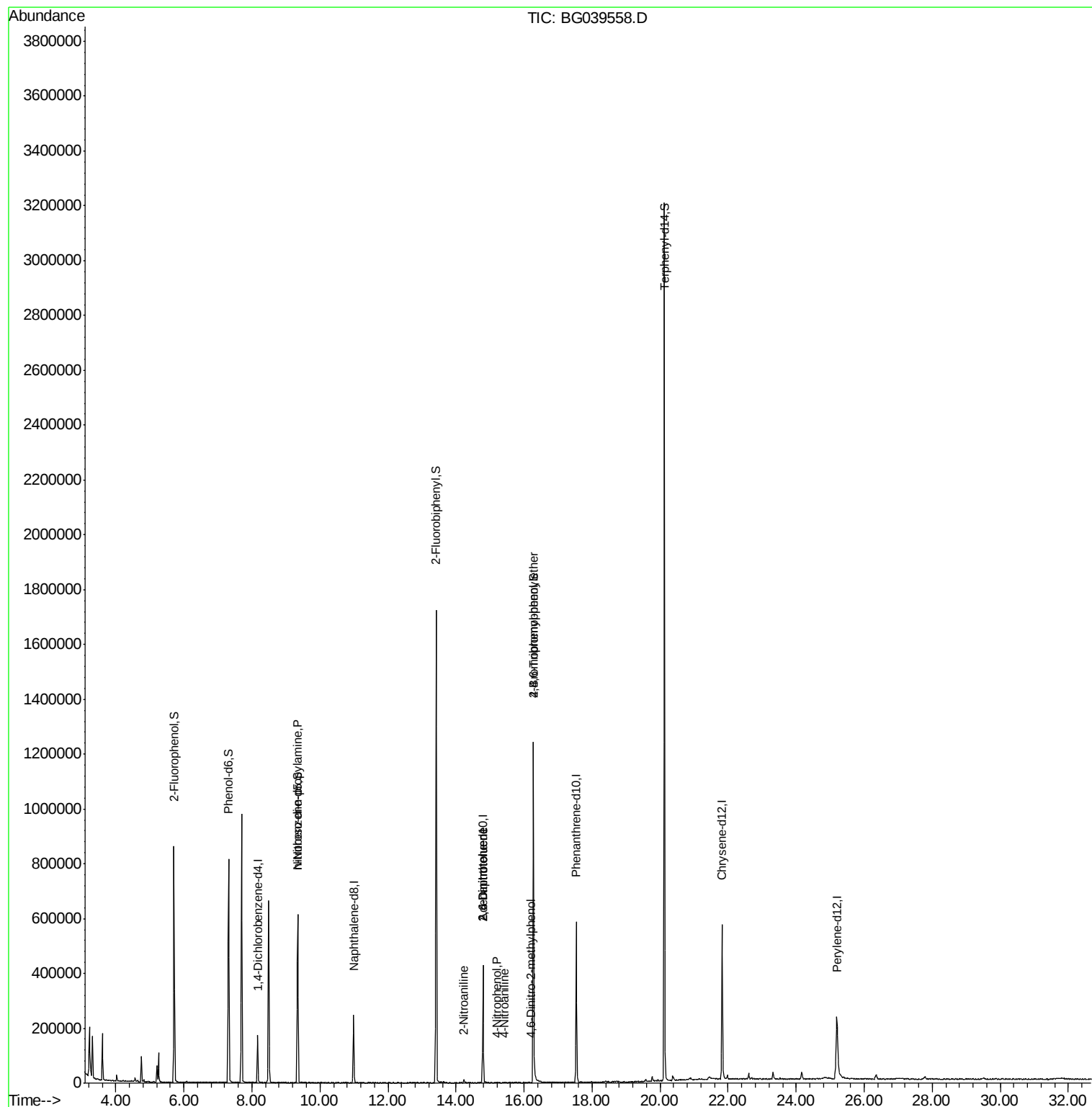
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	852	Below Cal		# 17
19) n-Nitroso-di-n-propylamine	9.35	70	48201	16.424	ng	# 65
48) 2-Nitroaniline	14.23	65	135	8.338	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	19235	13.952	ng	# 25
56) 4-Nitrophenol	15.19	139	76	5.826	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	19235	13.421	ng	# 20
62) 4-Nitroaniline	15.42	138	55	4.222	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.21	198	77	4.238	ng	# 32
67) 4-Bromophenyl-phenylether	16.28	248	18519	4.545	ng	# 1

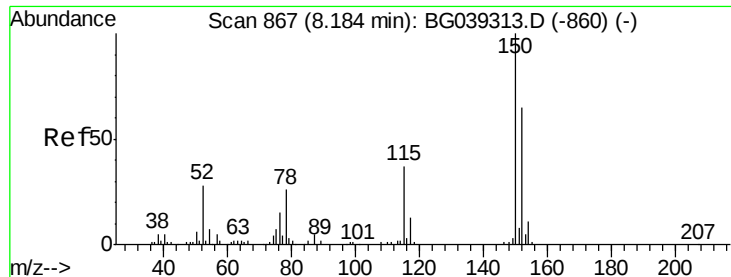
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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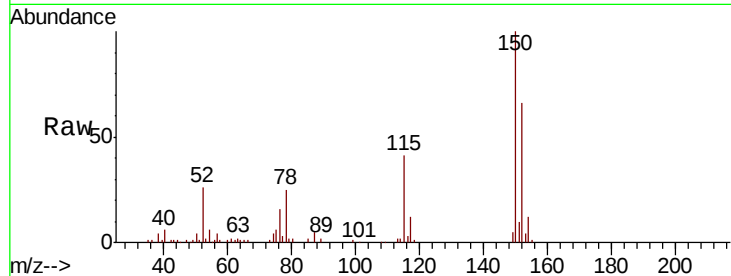


#1

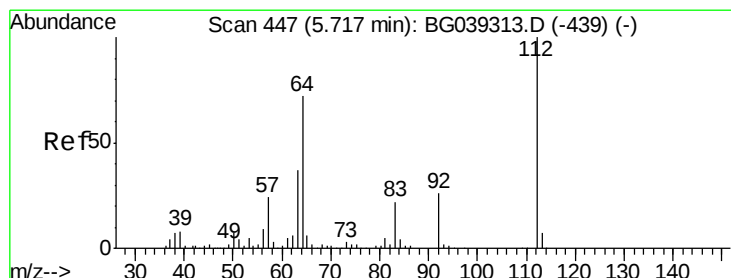
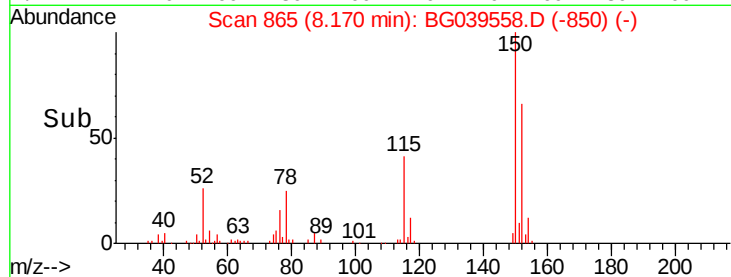
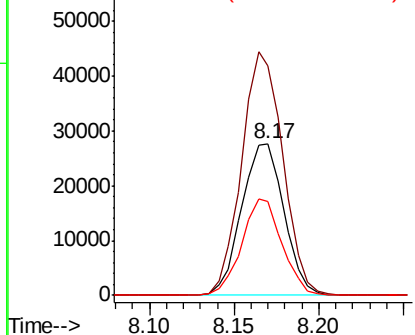
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039558.D
Acq: 19 Feb 2019 17:04

Instrument :
BNA_G
ClientSampleId :
TP-MH-C05

Tgt Ion:152 Resp: 48077
Ion Ratio Lower Upper
152 100
150 151.6 123.7 185.5
115 61.5 45.9 68.9



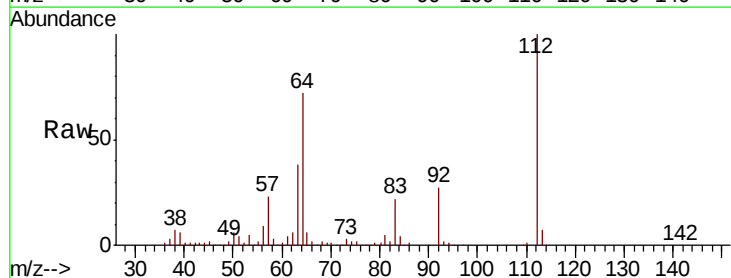
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



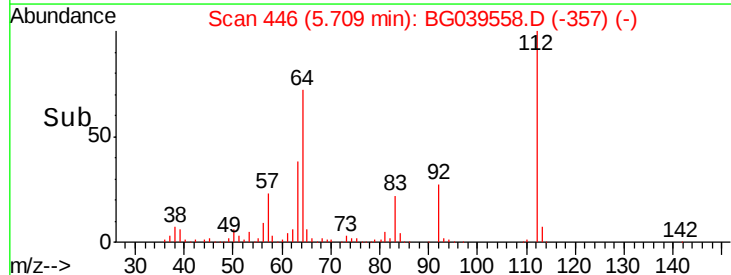
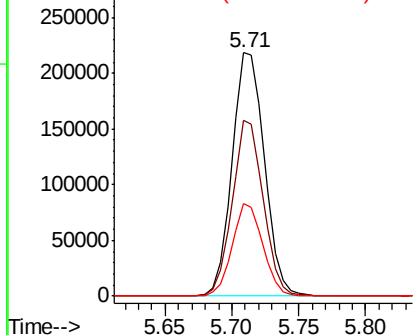
#5

2-Fluorophenol
Concen: 131.175 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039558.D
Acq: 19 Feb 2019 17:04

Tgt Ion:112 Resp: 368476
Ion Ratio Lower Upper
112 100
64 72.2 57.8 86.8
63 37.8 29.8 44.6



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: 115.815 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039558.D

Acq: 19 Feb 2019 17:04

Instrument :

BNA_G

ClientSampleId :

TP-MH-C05

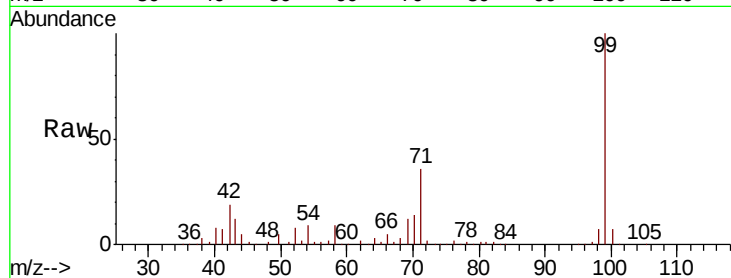
Tgt Ion: 99 Resp: 478876

Ion Ratio Lower Upper

99 100

42 19.3 18.2 27.2

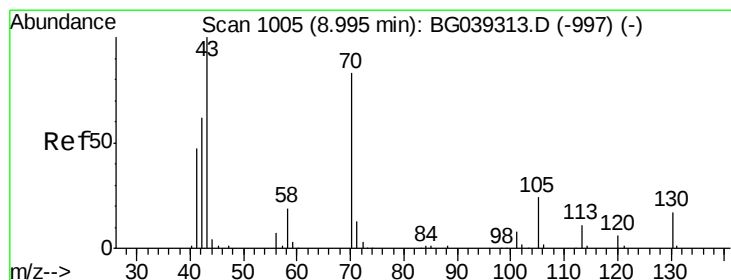
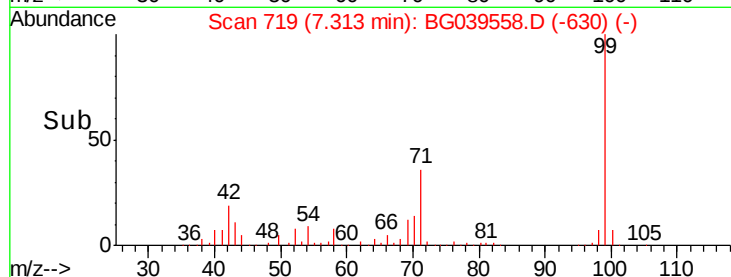
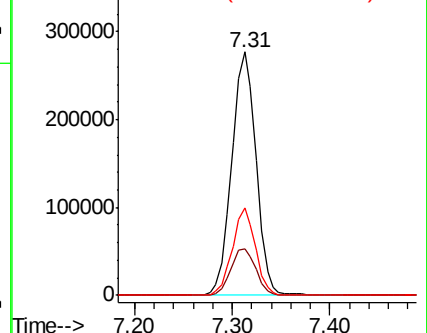
71 35.8 28.0 42.0



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: 16.424 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039558.D

Acq: 19 Feb 2019 17:04

Tgt Ion: 70 Resp: 48201

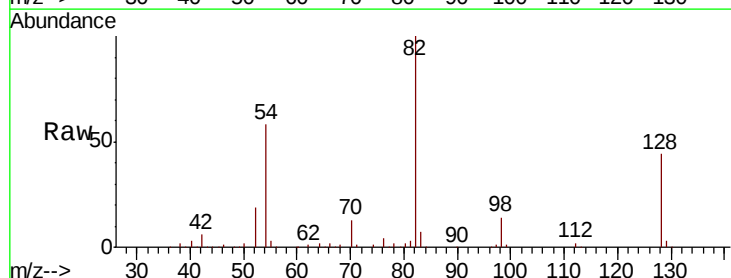
Ion Ratio Lower Upper

70 100

42 46.3 60.4 90.6#

101 0.0 7.5 11.3#

130 2.5 16.9 25.3#

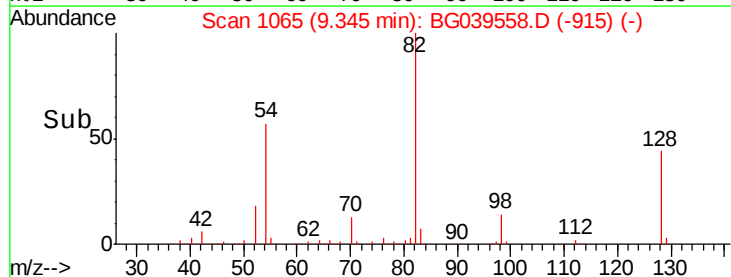
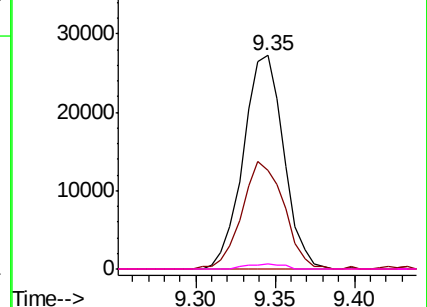


Abundance Ion 70.00 (69.70 to 70.70): BGC

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

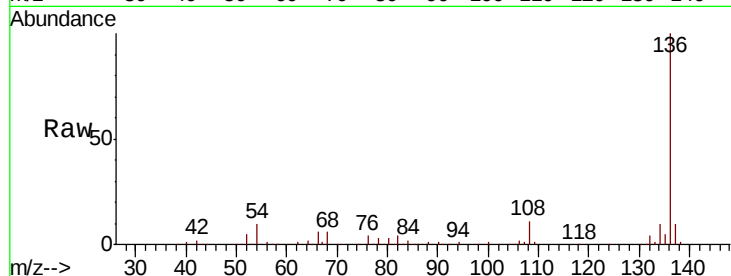




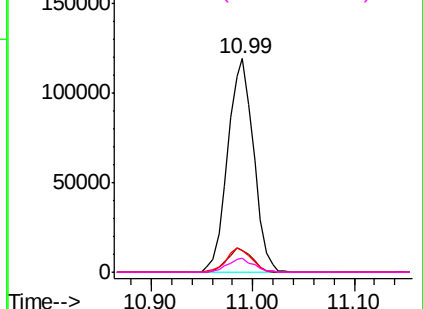
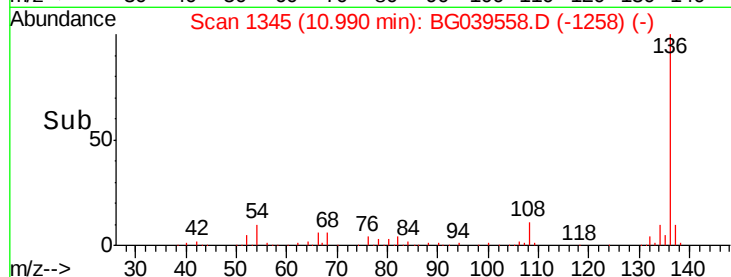
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039558.D
Acq: 19 Feb 2019 17:04

Instrument :
BNA_G
ClientSampleId :
TP-MH-C05

Tgt Ion:	136	Resp:	210281
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.1	13.7
54	10.0	9.4	14.2
68	6.4	4.2	6.4#

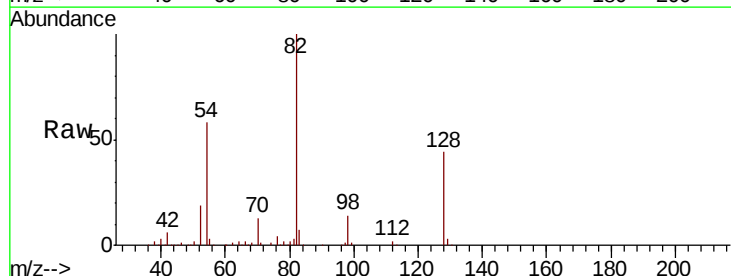


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

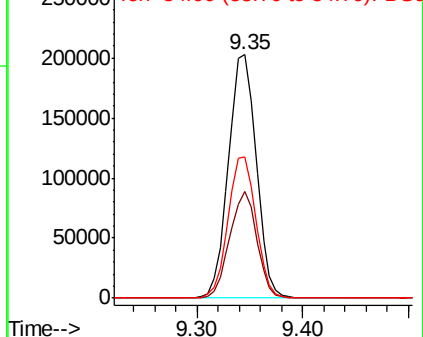
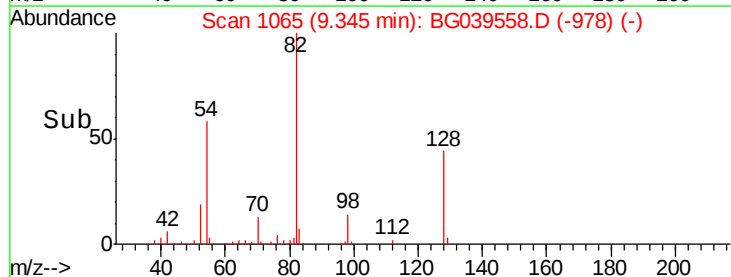


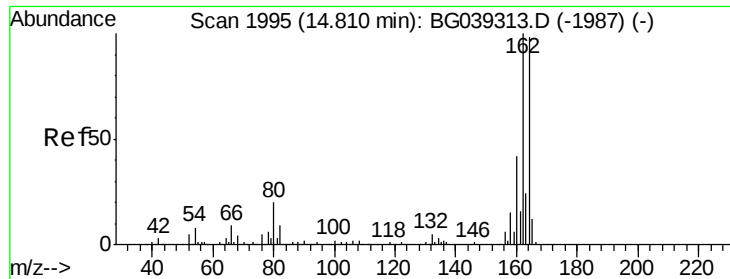
#23
Nitrobenzene-d5
Concen: 109.778 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039558.D
Acq: 19 Feb 2019 17:04

Tgt Ion:	82	Resp:	369514
Ion	Ratio	Lower	Upper
82	100		
128	43.6	31.3	46.9
54	57.9	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: BG039558.D

Acq: 19 Feb 2019 17:04

Instrument :

BNA_G

ClientSampleId :

TP-MH-C05

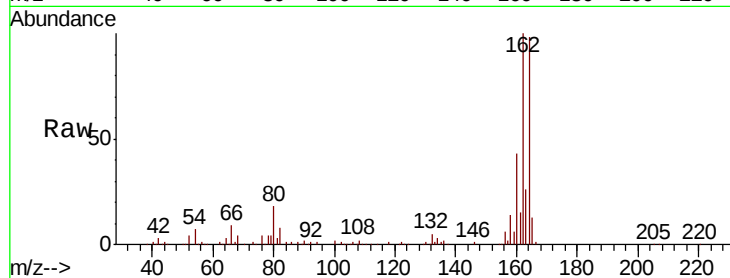
Tgt Ion:164 Resp: 148809

Ion Ratio Lower Upper

164 100

162 102.6 81.6 122.4

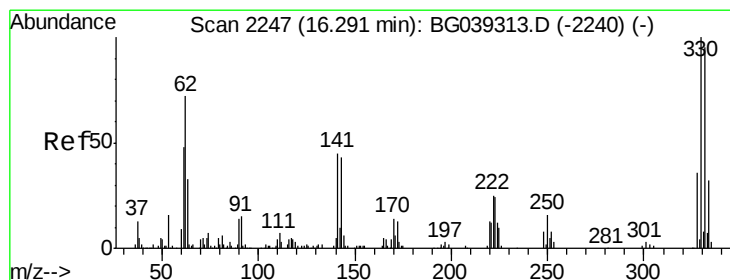
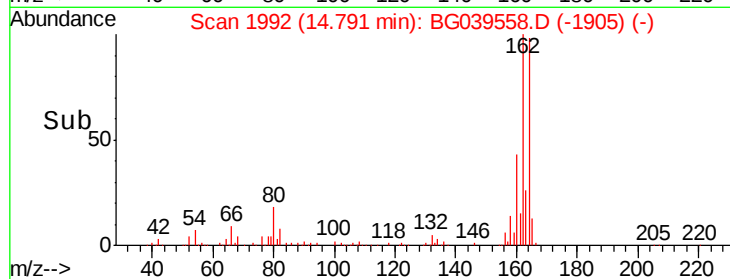
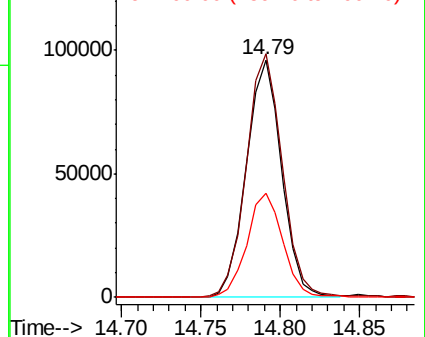
160 43.8 34.2 51.2



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: 147.969 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039558.D

Acq: 19 Feb 2019 17:04

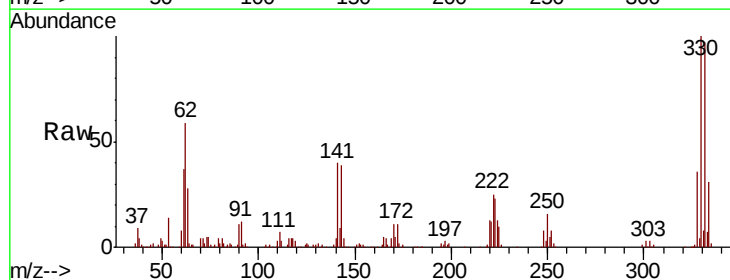
Tgt Ion:330 Resp: 237109

Ion Ratio Lower Upper

330 100

332 93.0 75.7 113.5

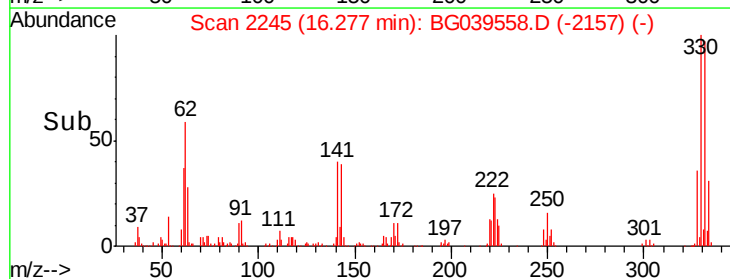
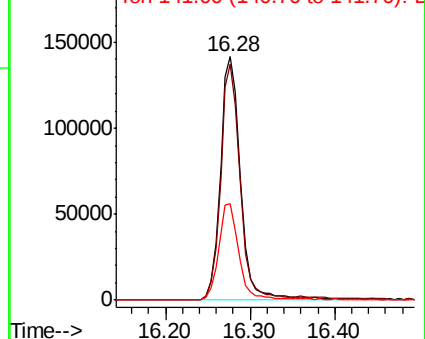
141 39.5 35.6 53.4



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

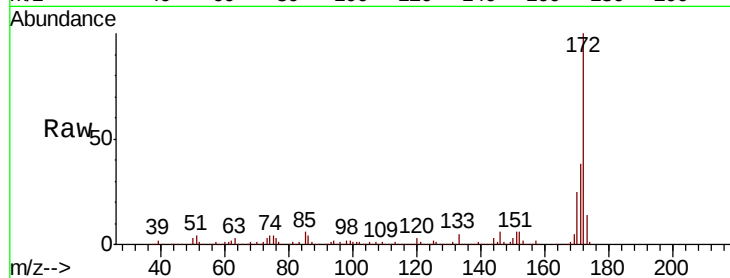




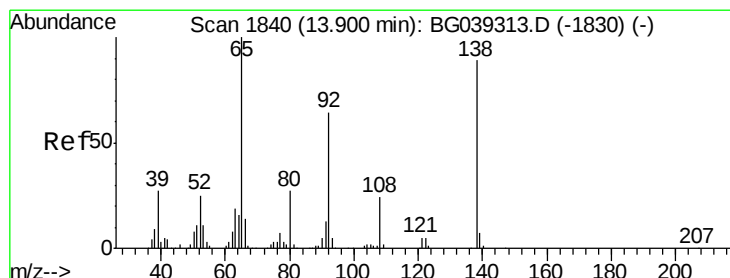
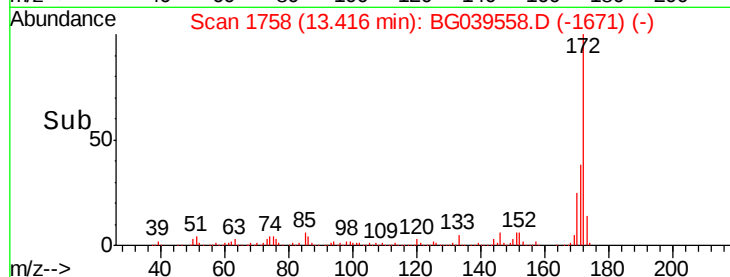
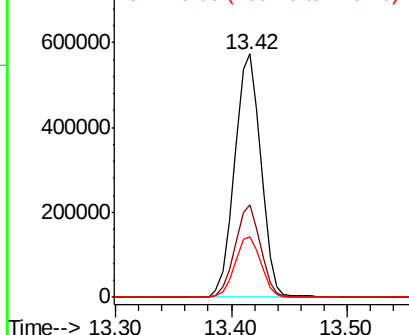
#45
2-Fluorobiphenyl
Concen: 87.175 ng
RT: 13.42 min Scan# 1758
Delta R.T. -0.02 min
Lab File: BG039558.D
Acq: 19 Feb 2019 17:04

Instrument :
BNA_G
ClientSampleId :
TP-MH-C05

Tgt Ion: 172 Resp: 904284
Ion Ratio Lower Upper
172 100
171 38.1 30.8 46.2
170 24.7 20.2 30.4

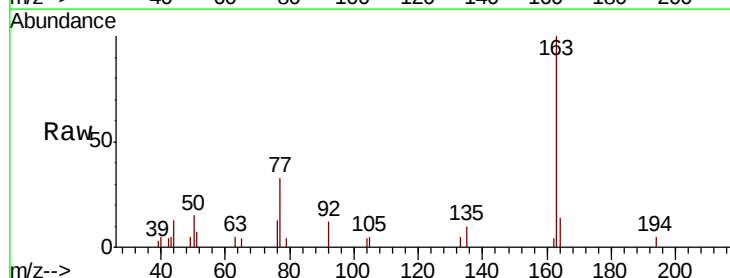


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

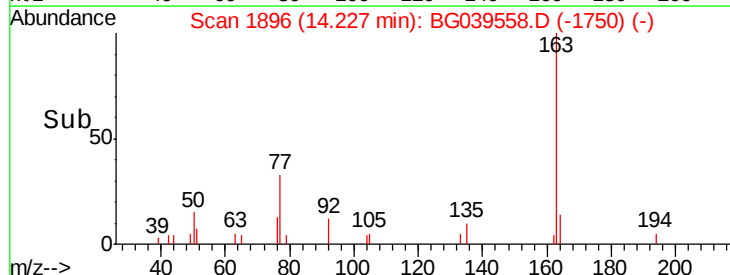
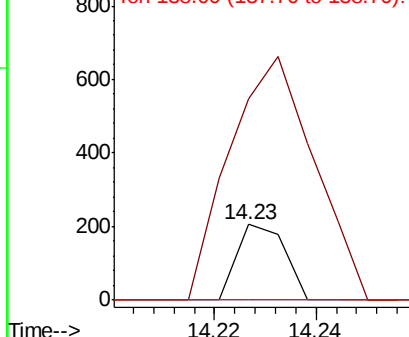


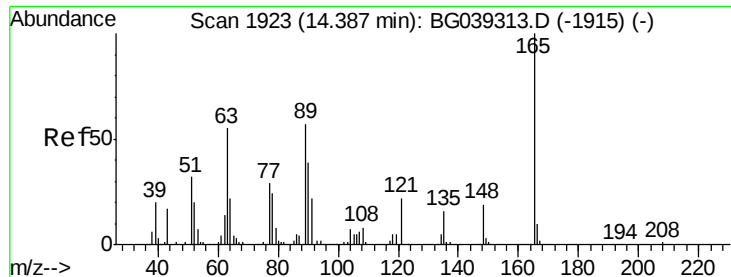
#48
2-Nitroaniline
Concen: 8.338 ng
RT: 14.23 min Scan# 1896
Delta R.T. 0.33 min
Lab File: BG039558.D
Acq: 19 Feb 2019 17:04

Tgt Ion: 65 Resp: 135
Ion Ratio Lower Upper
65 100
92 265.0 51.4 77.2#
138 0.0 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): E

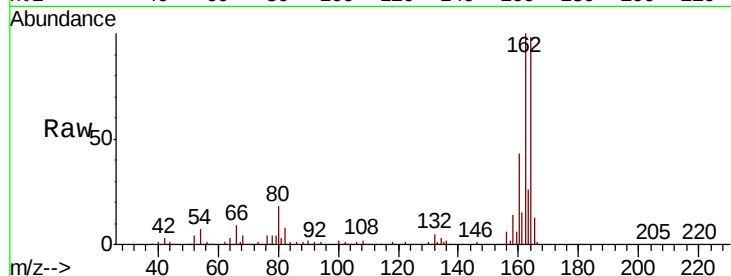




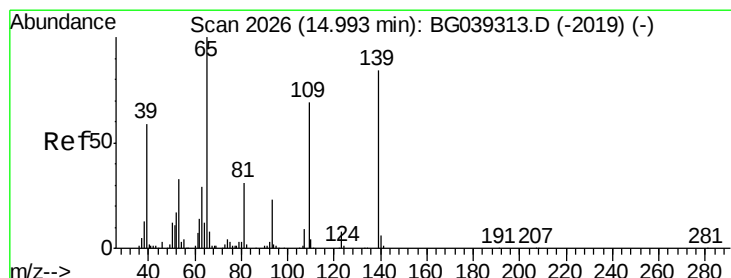
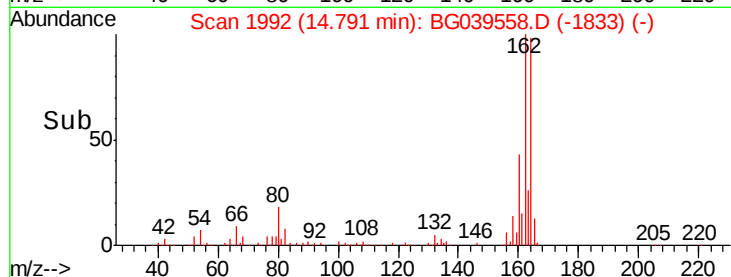
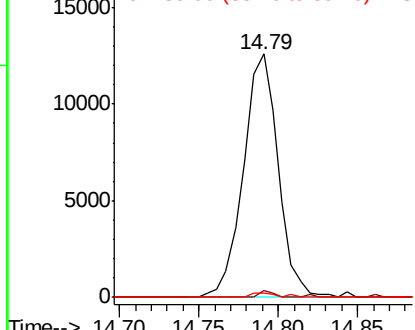
#51
2,6-Dinitrotoluene
Concen: 13.952 ng
RT: 14.79 min Scan# 1992
Delta R.T. 0.40 min
Lab File: BG039558.D
Acq: 19 Feb 2019 17:04

Instrument :
BNA_G
ClientSampleId :
TP-MH-C05

Tgt Ion:165 Resp: 19235
Ion Ratio Lower Upper
165 100
63 2.8 47.0 70.6#
89 1.6 45.8 68.8#

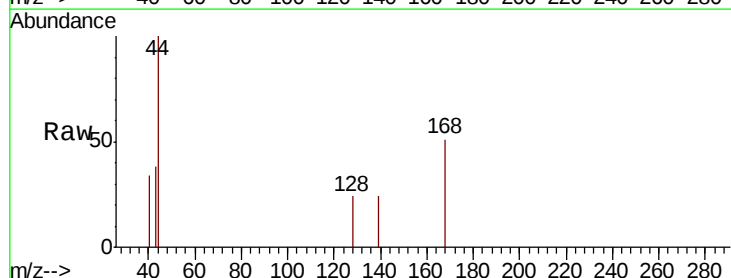


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGO
Ion 89.00 (88.70 to 89.70): BGO

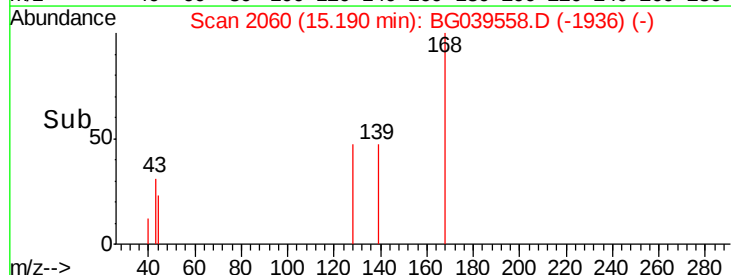
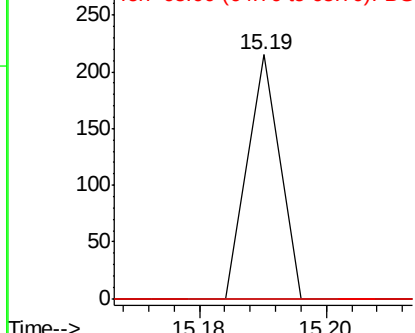


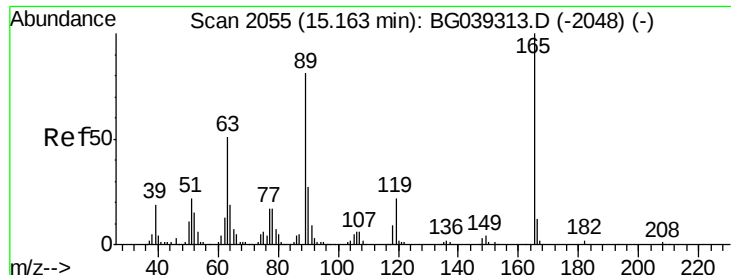
#56
4-Nitrophenol
Concen: 5.826 ng
RT: 15.19 min Scan# 2060
Delta R.T. 0.20 min
Lab File: BG039558.D
Acq: 19 Feb 2019 17:04

Tgt Ion:139 Resp: 76
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): BGO

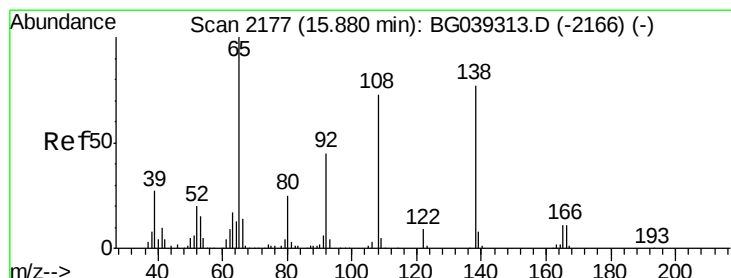
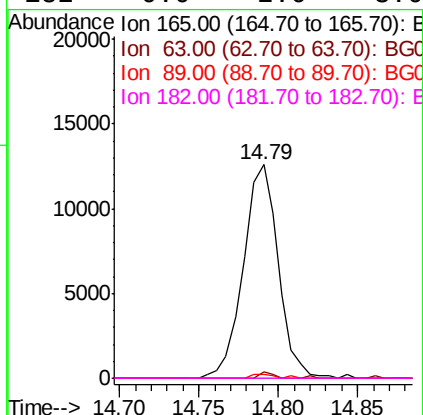
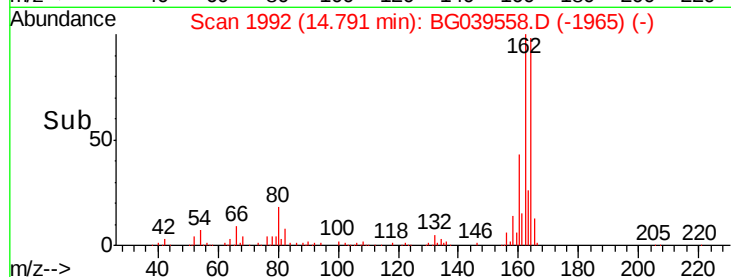
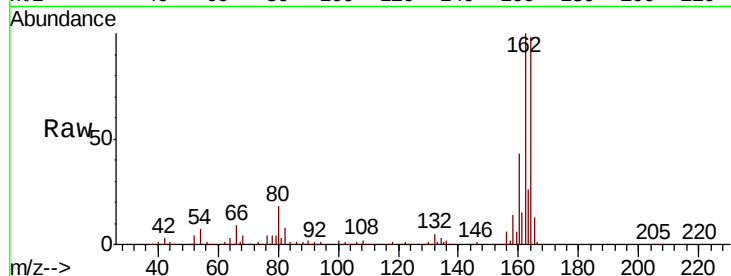




#57
 2,4-Dinitrotoluene
 Concen: 13.421 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. -0.37 min
 Lab File: BG039558.D
 Acq: 19 Feb 2019 17:04

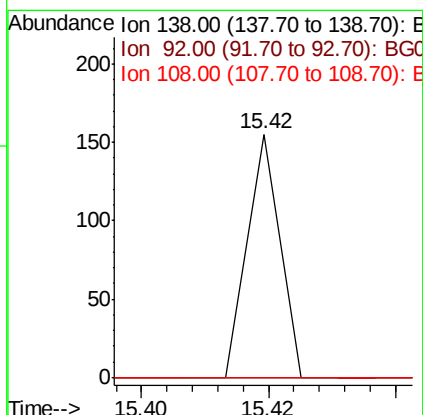
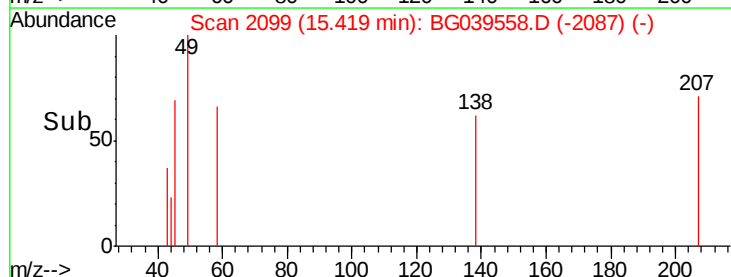
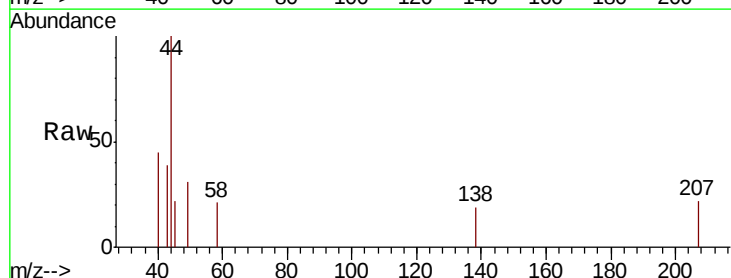
Instrument :
 BNA_G
 ClientSampleId :
 TP-MH-C05

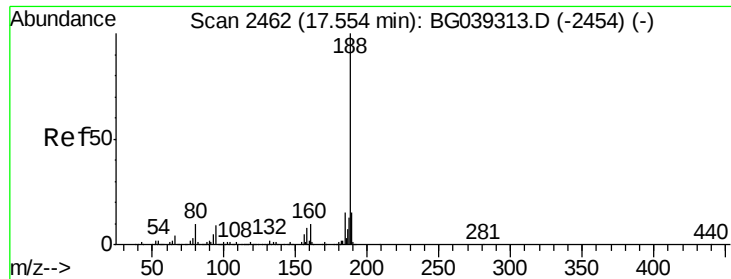
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.8	41.0	61.6#
89	1.6	64.6	96.8#
182	0.0	2.0	3.0#



#62
 4-Nitroaniline
 Concen: 4.222 ng
 RT: 15.42 min Scan# 2099
 Delta R.T. -0.46 min
 Lab File: BG039558.D
 Acq: 19 Feb 2019 17:04

Tgt Ion	Ratio	Lower	Upper
138	100		
92	0.0	38.7	78.7#
108	0.0	74.6	114.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039558.D

Acq: 19 Feb 2019 17:04

Instrument :

BNA_G

ClientSampleId :

TP-MH-C05

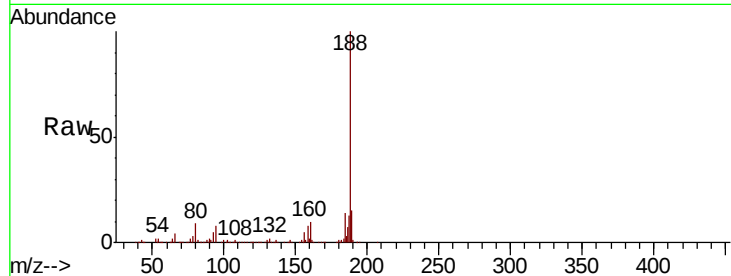
Tgt Ion:188 Resp: 367319

Ion Ratio Lower Upper

188 100

94 8.1 6.9 10.3

80 9.1 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

300000

250000

200000

150000

100000

50000

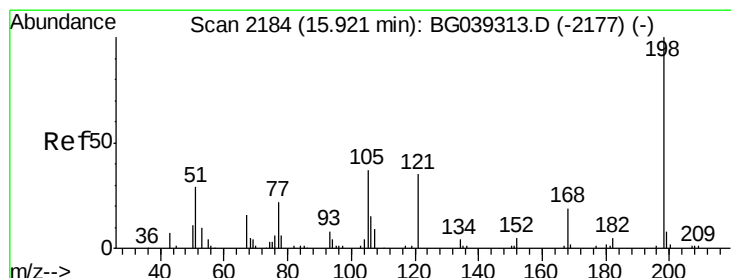
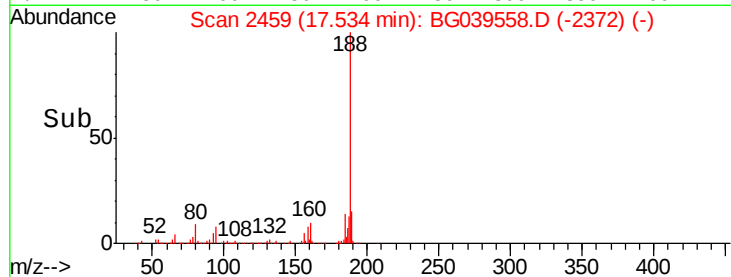
0

17.53

17.50

17.60

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 4.238 ng

RT: 16.21 min Scan# 2234

Delta R.T. 0.29 min

Lab File: BG039558.D

Acq: 19 Feb 2019 17:04

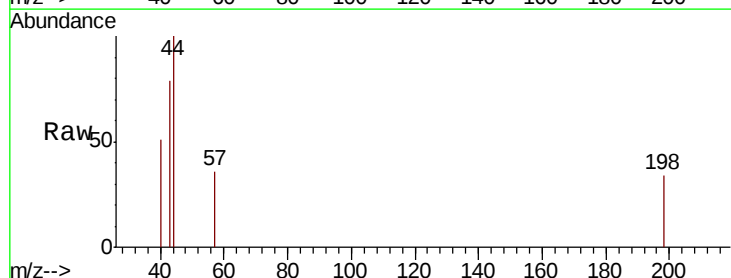
Tgt Ion:198 Resp: 77

Ion Ratio Lower Upper

198 100

51 0.0 27.4 67.4#

105 0.0 19.7 59.7#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

300

250

200

150

100

50

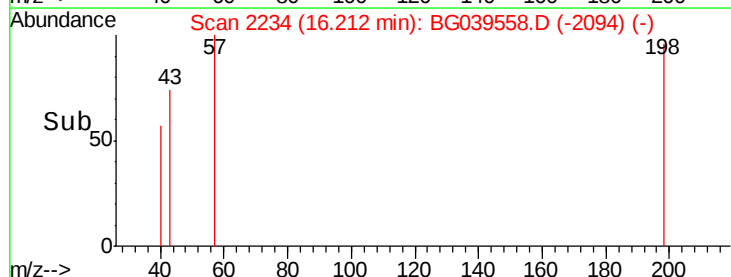
0

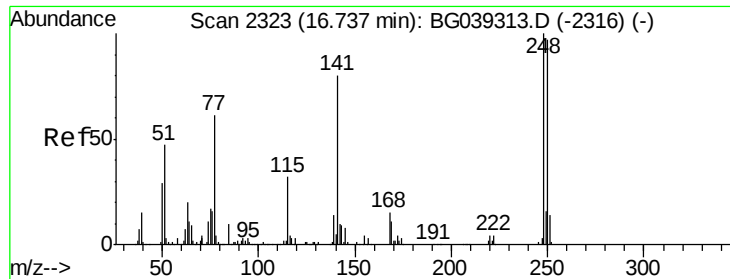
16.21

16.20

16.22

Time-->

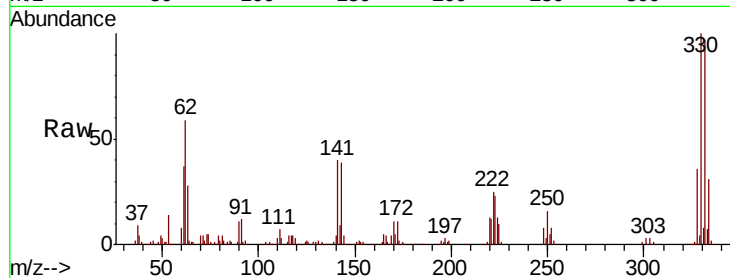




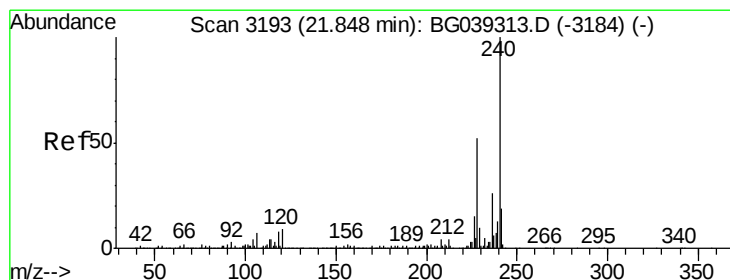
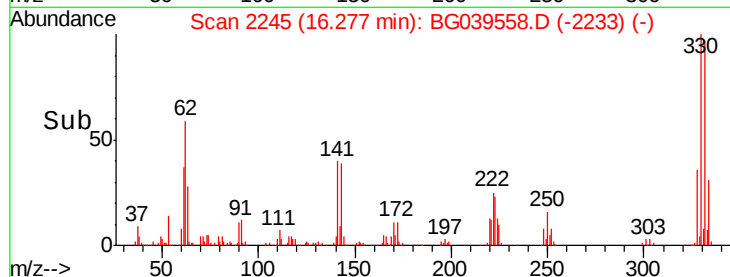
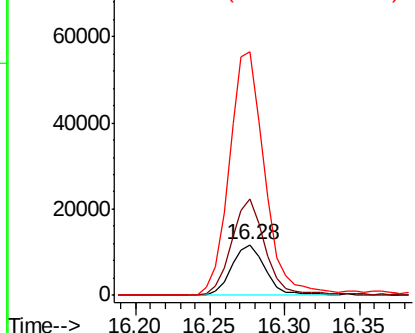
#67
 4-Bromophenyl-phenylether
 Concen: 4.545 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039558.D
 Acq: 19 Feb 2019 17:04

Instrument :
 BNA_G
 ClientSampleId :
 TP-MH-C05

Tgt Ion:248 Resp: 18519
 Ion Ratio Lower Upper
 248 100
 250 189.9 77.6 116.4#
 141 478.5 63.9 95.9#

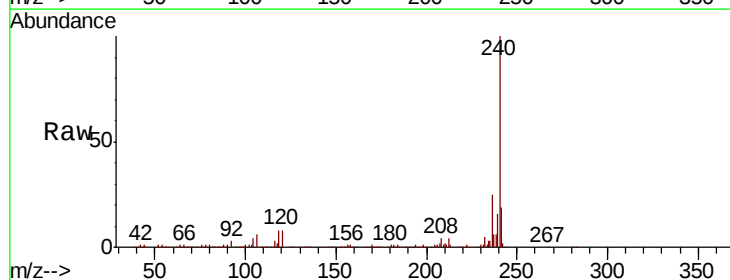


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

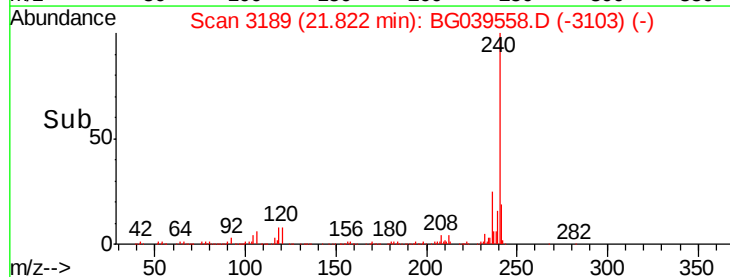
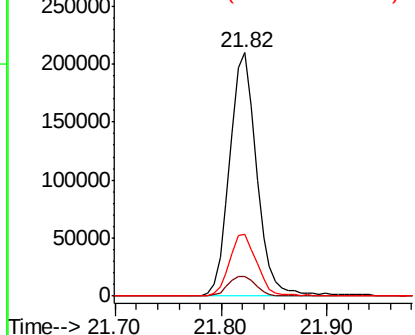


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.03 min
 Lab File: BG039558.D
 Acq: 19 Feb 2019 17:04

Tgt Ion:240 Resp: 371358
 Ion Ratio Lower Upper
 240 100
 120 8.0 7.0 10.6
 236 25.5 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: 83.952 ng

RT: 20.12 min Scan# 2900

Delta R.T. -0.03 min

Lab File: BG039558.D

Acq: 19 Feb 2019 17:04

Instrument :

BNA_G

ClientSampleId :

TP-MH-C05

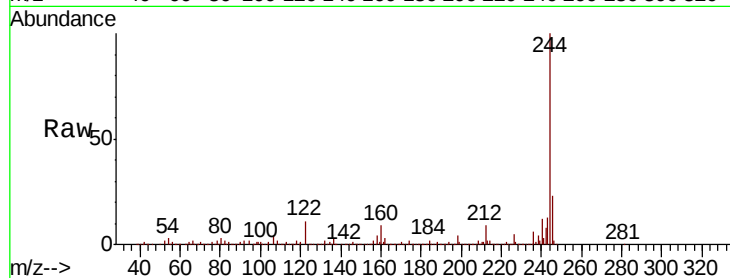
Tgt Ion:244 Resp: 1472872

Ion Ratio Lower Upper

244 100

212 9.2 7.3 10.9

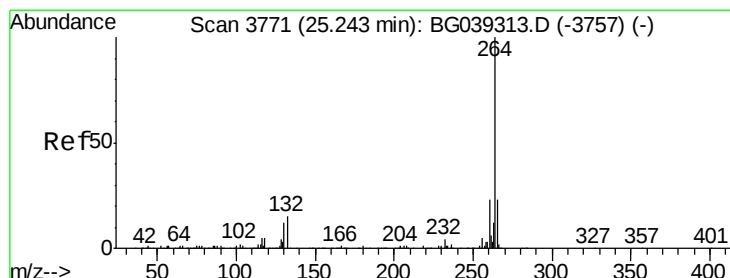
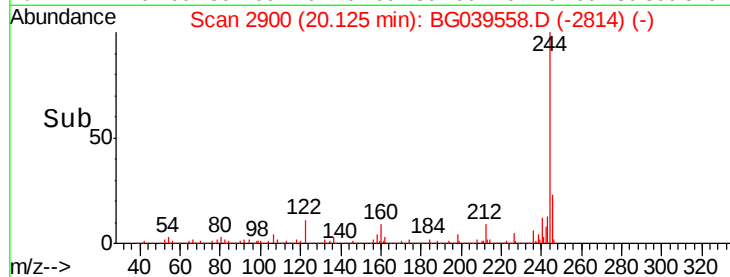
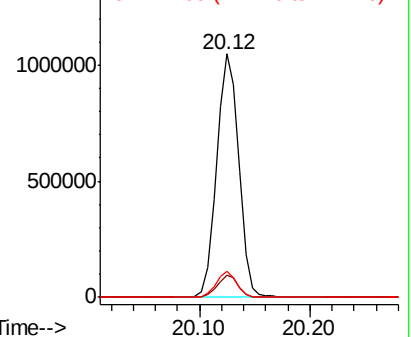
122 10.8 8.4 12.6



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: 25.20 min Scan# 3764

Delta R.T. -0.04 min

Lab File: BG039558.D

Acq: 19 Feb 2019 17:04

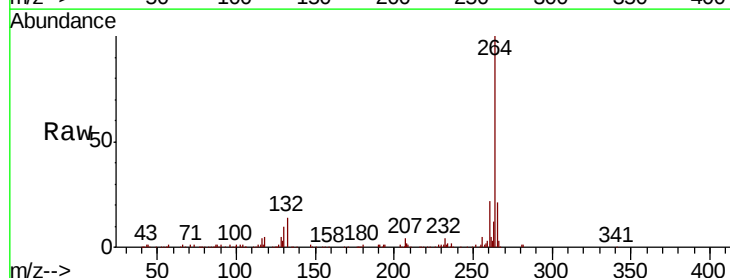
Tgt Ion:264 Resp: 331931

Ion Ratio Lower Upper

264 100

260 22.0 18.2 27.4

265 20.8 18.5 27.7



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

