

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021919\
 Data File : BG039557.D
 Acq On : 19 Feb 2019 16:25
 Operator : JU/SJ
 Sample : K1518-18
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-MH-C02

Quant Time: Feb 19 23:50:20 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	47704	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	204562	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	141980	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	363742	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	367931	20.00	ng	-0.03
87) Perylene-d12	25.20	264	341694	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	343897	123.38	ng	0.00
7) Phenol-d6	7.31	99	444130	108.25	ng	0.00
23) Nitrobenzene-d5	9.34	82	354484	108.26	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	229085	149.84	ng	-0.02
45) 2-Fluorobiphenyl	13.41	172	854931	86.38	ng	-0.02
79) Terphenyl-d14	20.13	244	1448805	83.35	ng	-0.02

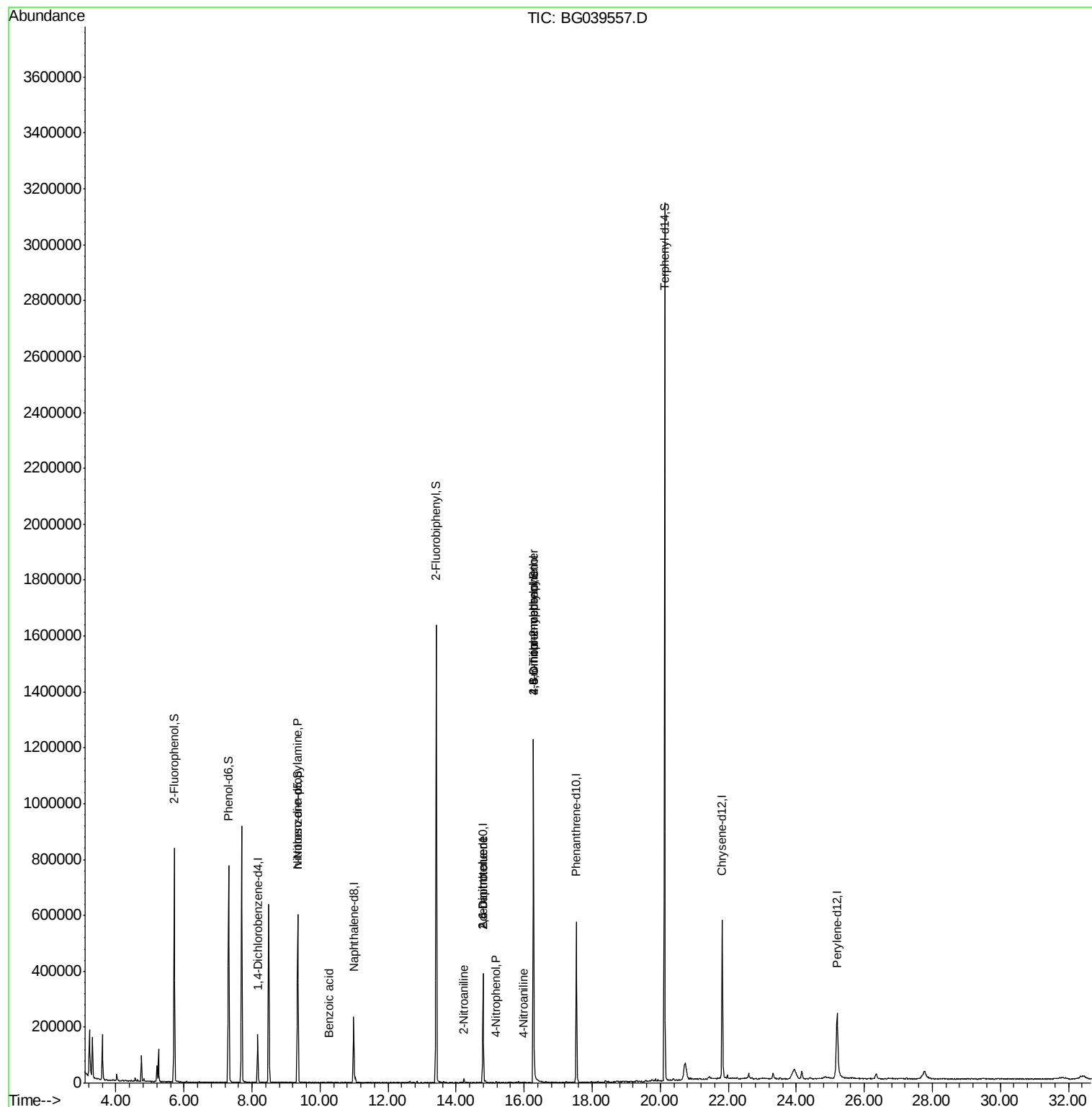
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	1059	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	45012	15.458	ng	# 67
32) Benzoic acid	10.27	122	114	9.069	ng	# 1
48) 2-Nitroaniline	14.23	65	78	8.322	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	18194	13.889	ng	# 25
56) 4-Nitrophenol	15.19	139	800	6.152	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	18194	13.372	ng	# 20
62) 4-Nitroaniline	15.98	138	54	4.223	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.28	198	834	4.910	ng	# 4
67) 4-Bromophenyl-phenylether	16.28	248	17660	4.376	ng	# 1

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

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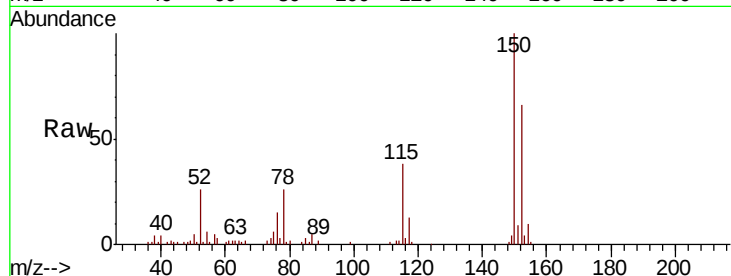


#1

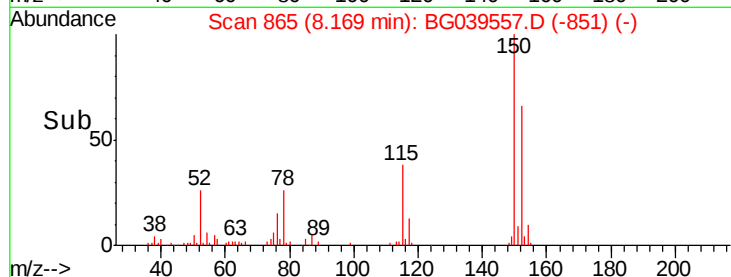
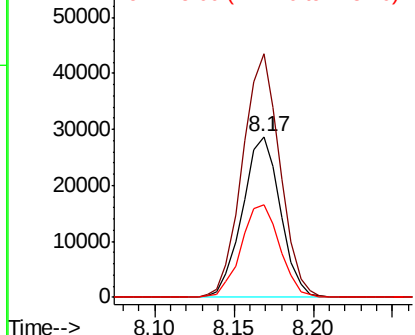
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.17 min Scan# 865
 Delta R.T. -0.02 min
 Lab File: BG039557.D
 Acq: 19 Feb 2019 16:25

Instrument :
 BNA_G
 ClientSampleId :
 TP-MH-C02

Tgt Ion:152 Resp: 47704
 Ion Ratio Lower Upper
 152 100
 150 151.3 123.7 185.5
 115 57.9 45.9 68.9



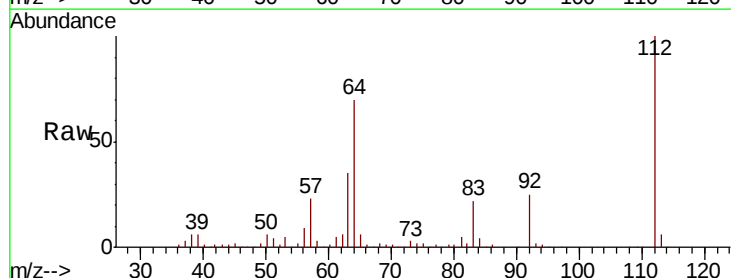
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



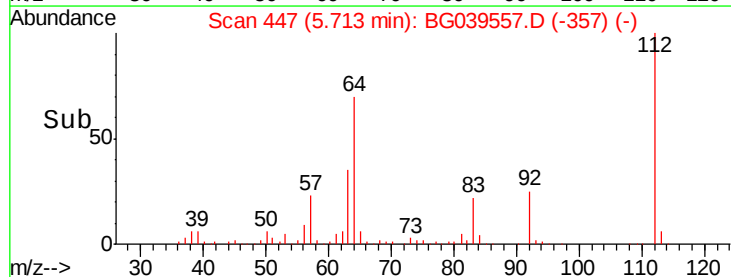
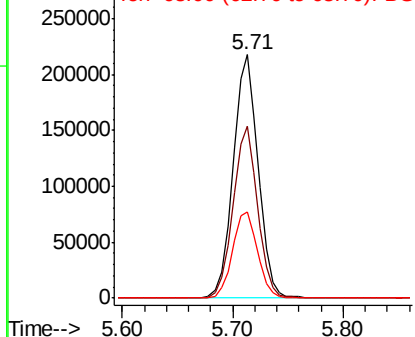
#5

2-Fluorophenol
 Concen: 123.382 ng
 RT: 5.71 min Scan# 447
 Delta R.T. -0.00 min
 Lab File: BG039557.D
 Acq: 19 Feb 2019 16:25

Tgt Ion:112 Resp: 343897
 Ion Ratio Lower Upper
 112 100
 64 70.4 57.8 86.8
 63 35.3 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: 108.252 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039557.D

Acq: 19 Feb 2019 16:25

Instrument :

BNA_G

ClientSampleId :

TP-MH-C02

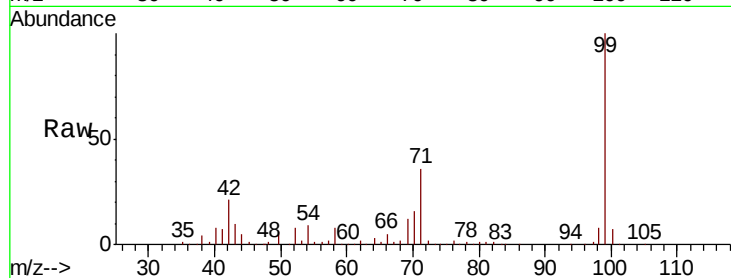
Tgt Ion: 99 Resp: 444130

Ion Ratio Lower Upper

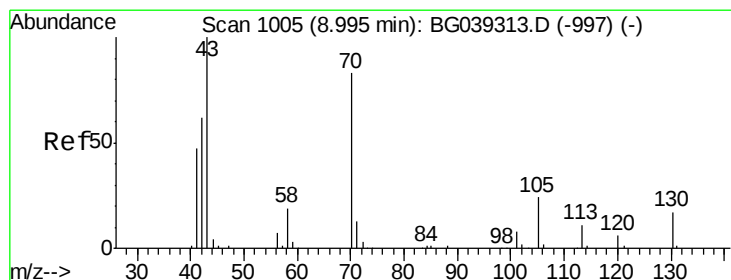
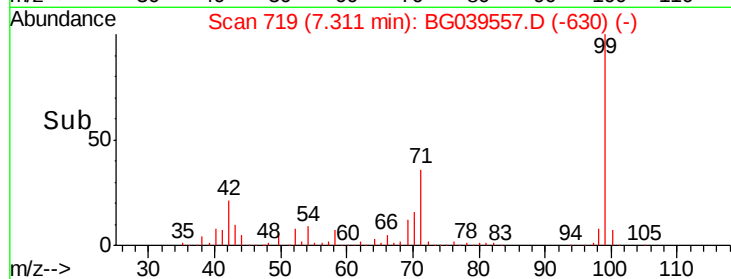
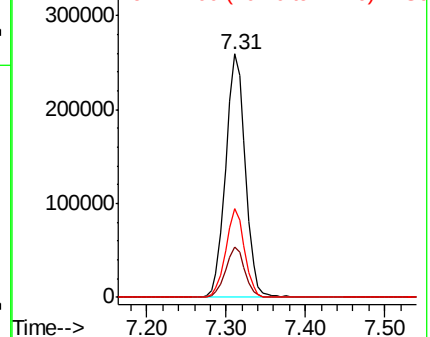
99 100

42 20.8 18.2 27.2

71 36.2 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: 15.458 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039557.D

Acq: 19 Feb 2019 16:25

Tgt Ion: 70 Resp: 45012

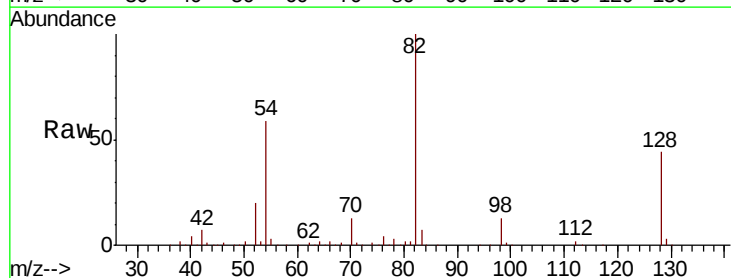
Ion Ratio Lower Upper

70 100

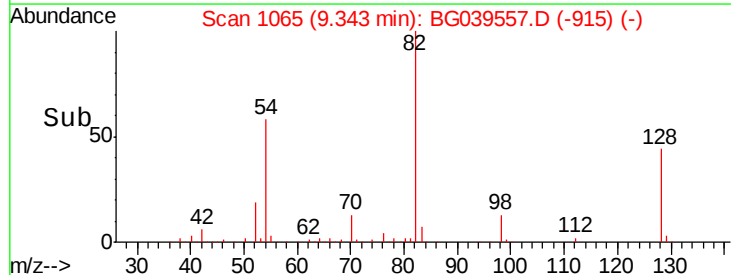
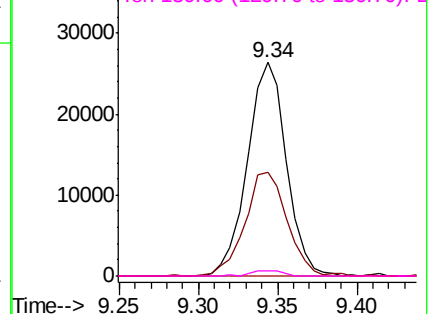
42 48.7 60.4 90.6#

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

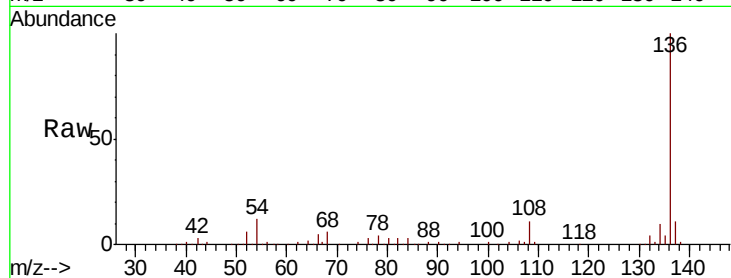




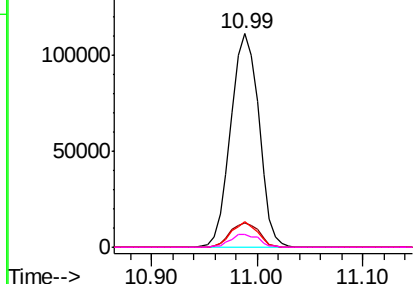
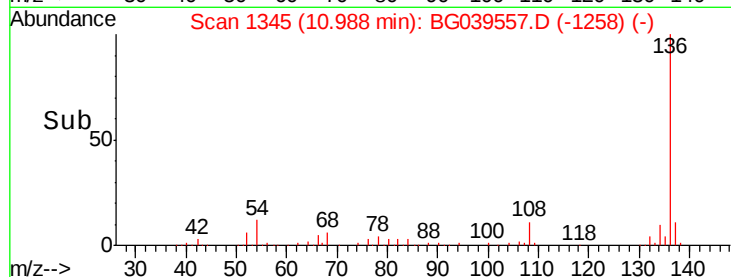
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039557.D
Acq: 19 Feb 2019 16:25

Instrument :
BNA_G
ClientSampleId :
TP-MH-C02

Tgt Ion:	136	Resp:	204562
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	11.9	9.4	14.2
68	6.2	4.2	6.4

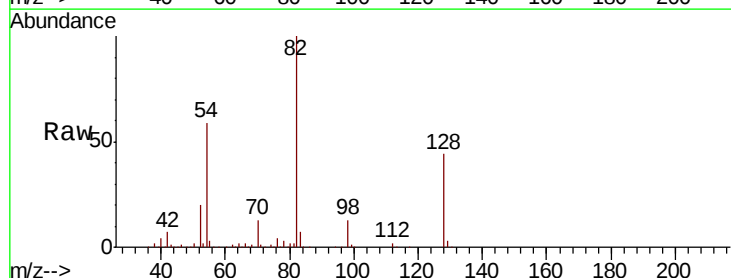


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

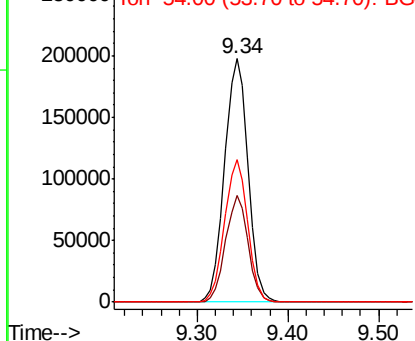
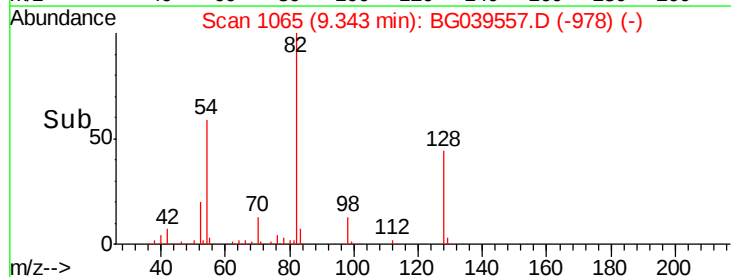


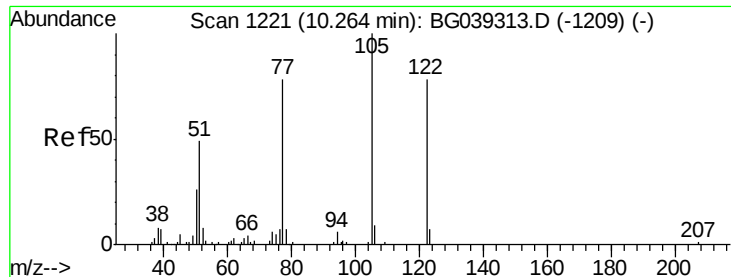
#23
Nitrobenzene-d5
Concen: 108.257 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039557.D
Acq: 19 Feb 2019 16:25

Tgt Ion:	82	Resp:	354484
Ion	Ratio	Lower	Upper
82	100		
128	43.6	31.3	46.9
54	58.6	50.9	76.3



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





#32

Benzoic acid

Concen: 9.069 ng

RT: 10.27 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BG039557.D

Acq: 19 Feb 2019 16:25

Instrument :

BNA_G

ClientSampleId :

TP-MH-C02

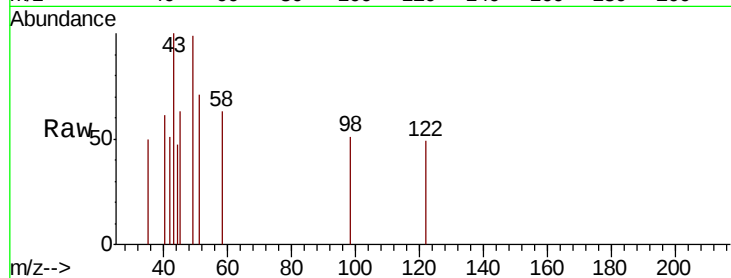
Tgt Ion:122 Resp: 114

Ion Ratio Lower Upper

122 100

105 0.0 101.8 141.8#

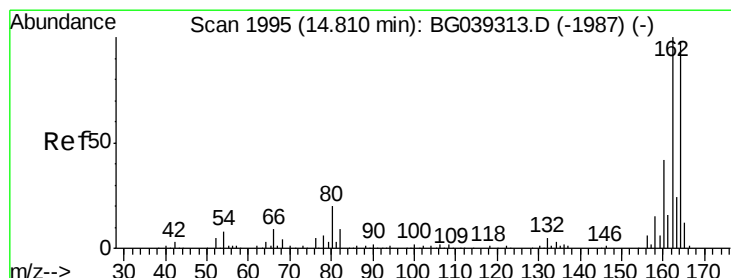
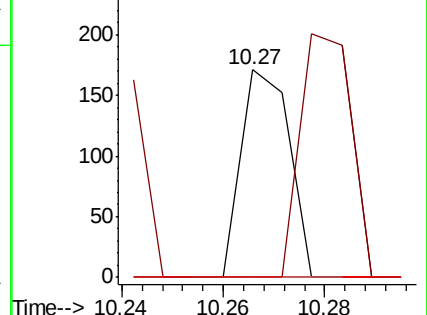
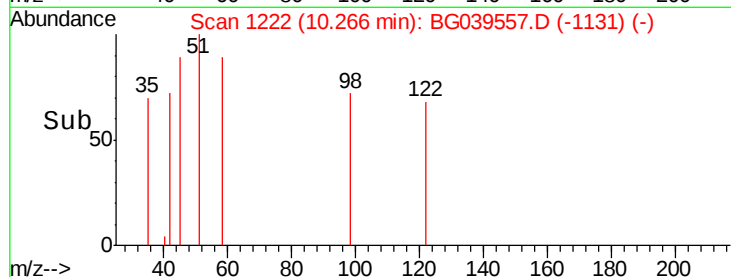
77 0.0 76.3 116.3#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BG039557.D

Acq: 19 Feb 2019 16:25

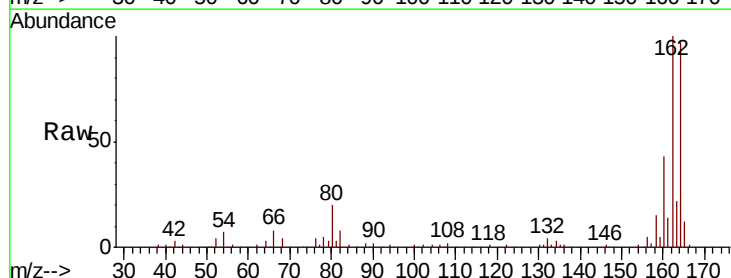
Tgt Ion:164 Resp: 141980

Ion Ratio Lower Upper

164 100

162 102.6 81.6 122.4

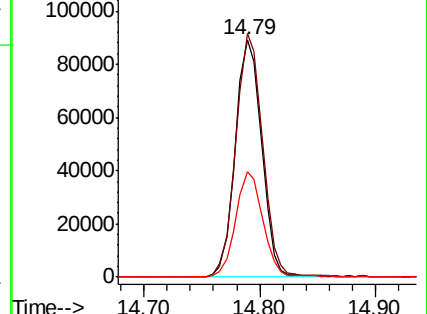
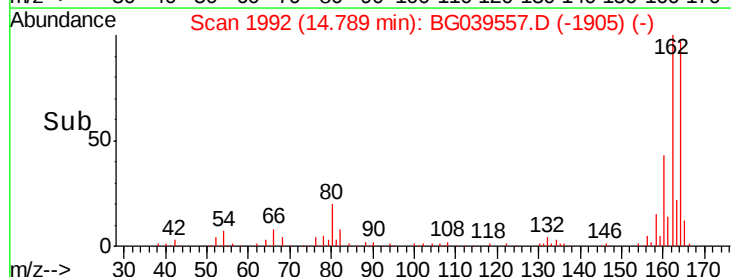
160 44.3 34.2 51.2

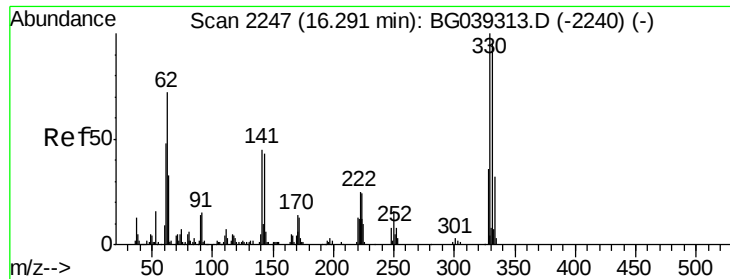


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

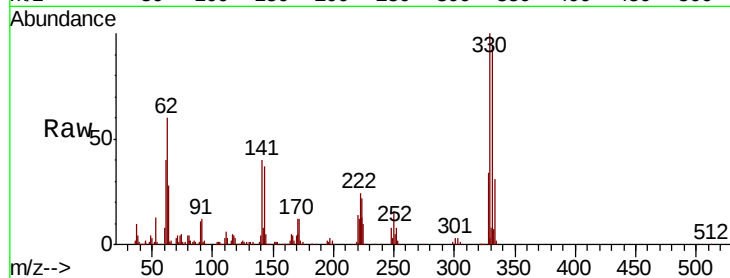




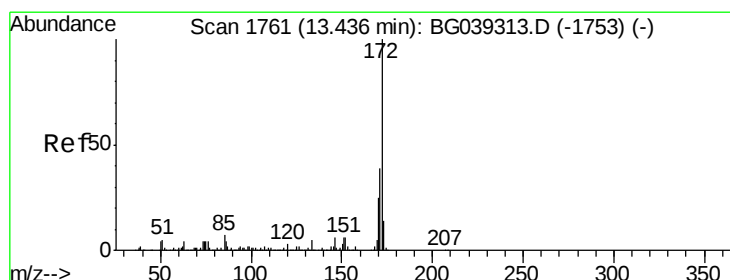
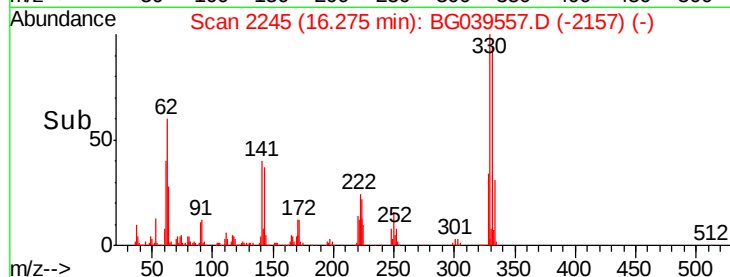
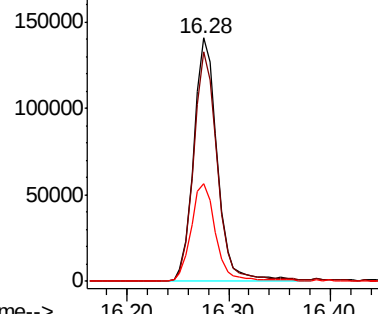
#42
 2,4,6-Tribromophenol
 Concen: 149.838 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.02 min
 Lab File: BG039557.D
 Acq: 19 Feb 2019 16:25

Instrument :
 BNA_G
 ClientSampleId :
 TP-MH-C02

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.5	75.7	113.5
141	41.7	35.6	53.4

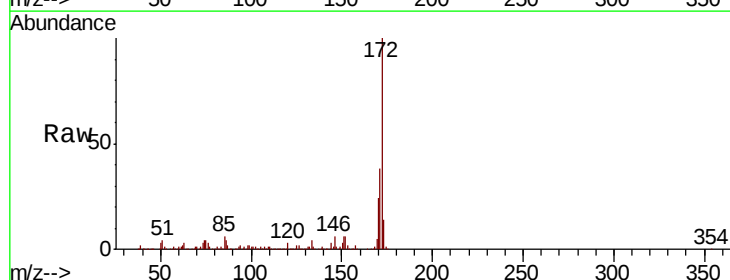


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

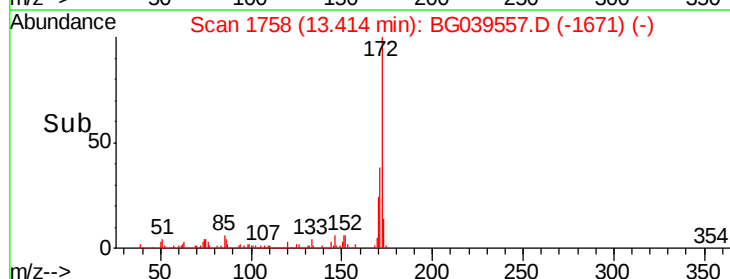
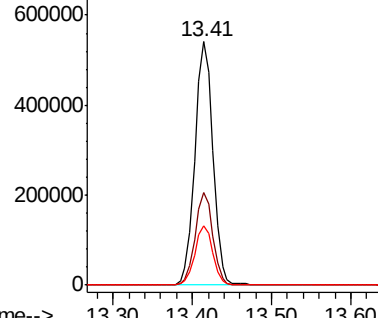


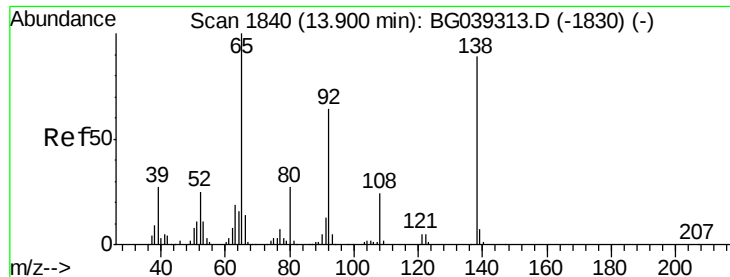
#45
 2-Fluorobiphenyl
 Concen: 86.381 ng
 RT: 13.41 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039557.D
 Acq: 19 Feb 2019 16:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.2	30.8	46.2
170	24.2	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: 8.322 ng

RT: 14.23 min Scan# 1897

Delta R.T. 0.33 min

Lab File: BG039557.D

Acq: 19 Feb 2019 16:25

Instrument :

BNA_G

ClientSampleId :

TP-MH-C02

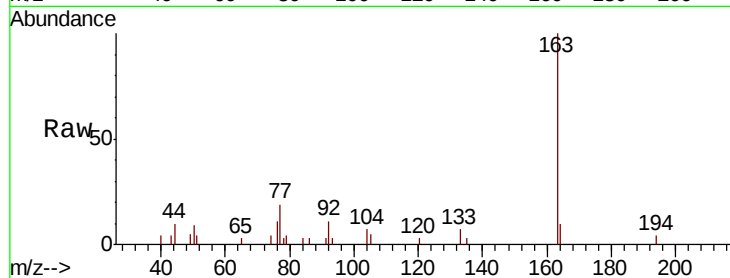
Tgt Ion: 65 Resp: 78

Ion Ratio Lower Upper

65 100

92 322.1 51.4 77.2#

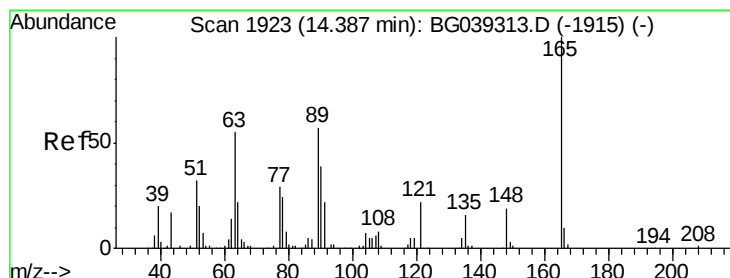
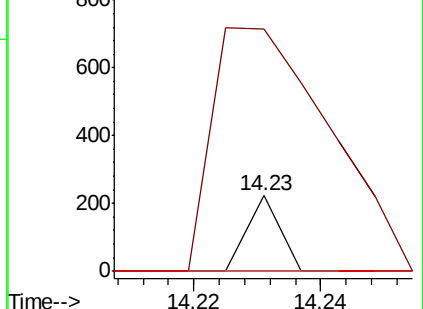
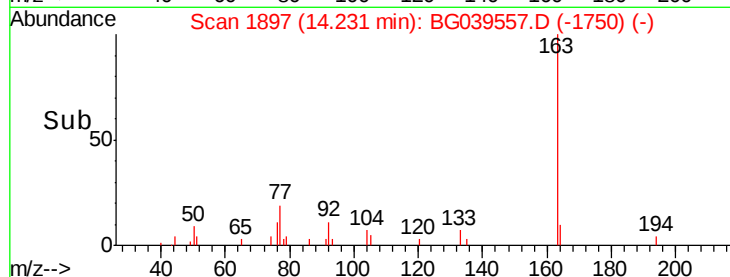
138 0.0 71.4 107.2#



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): BGC



#51

2,6-Dinitrotoluene

Concen: 13.889 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.40 min

Lab File: BG039557.D

Acq: 19 Feb 2019 16:25

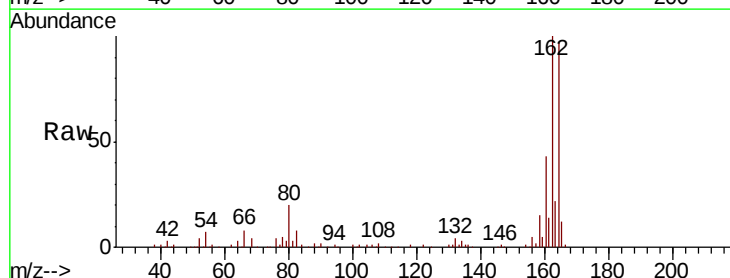
Tgt Ion: 165 Resp: 18194

Ion Ratio Lower Upper

165 100

63 0.0 47.0 70.6#

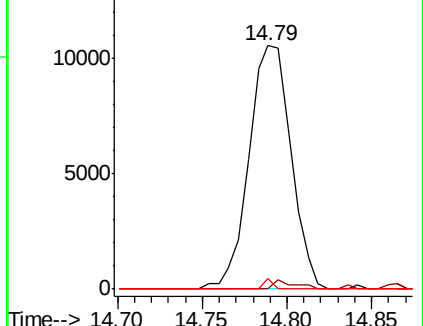
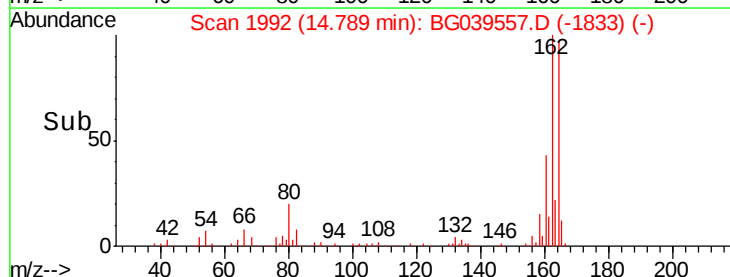
89 4.2 45.8 68.8#

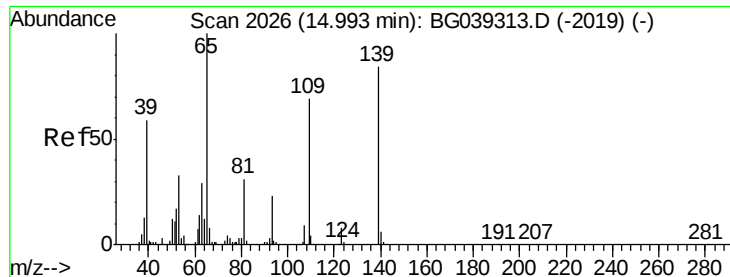


Abundance Ion 165.00 (164.70 to 165.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

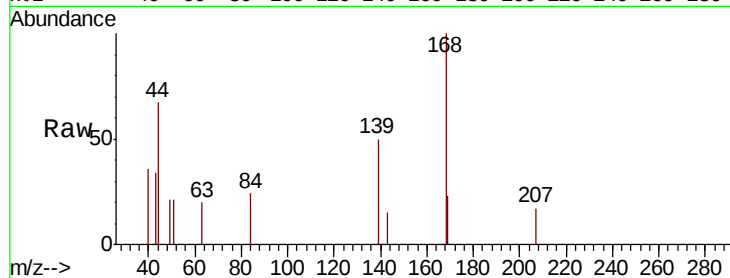




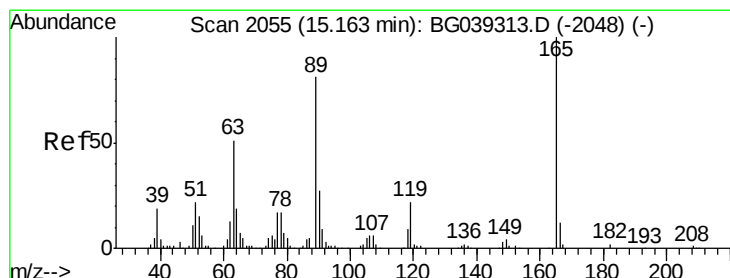
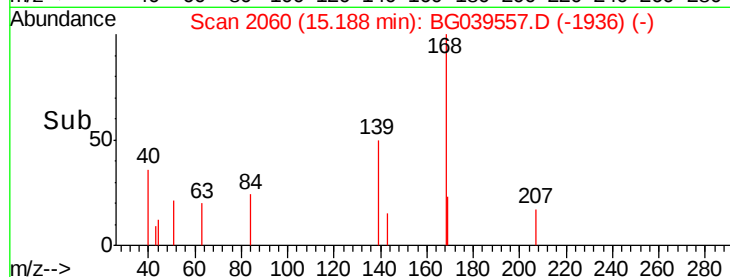
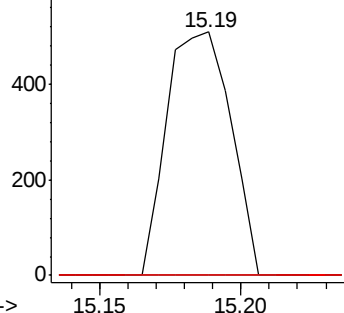
#56
4-Nitrophenol
Concen: 6.152 ng
RT: 15.19 min Scan# 2060
Delta R.T. 0.20 min
Lab File: BG039557.D
Acq: 19 Feb 2019 16:25

Instrument :
BNA_G
ClientSampleId :
TP-MH-C02

Tgt Ion:139 Resp: 800
Ion Ratio Lower Upper
139 100
109 0.0 61.9 101.9#
65 0.0 99.1 139.1#

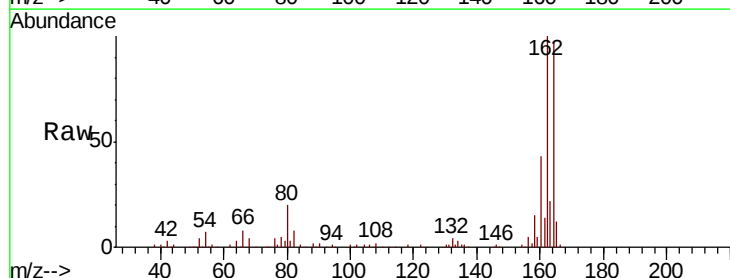


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

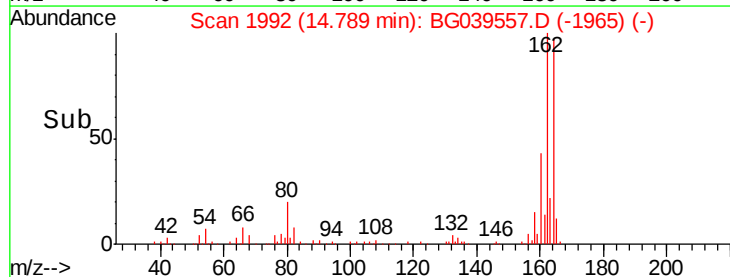
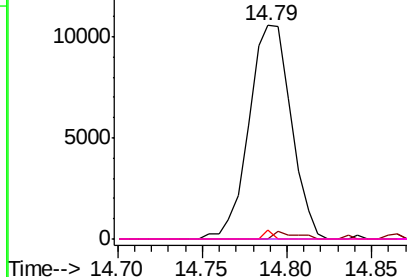


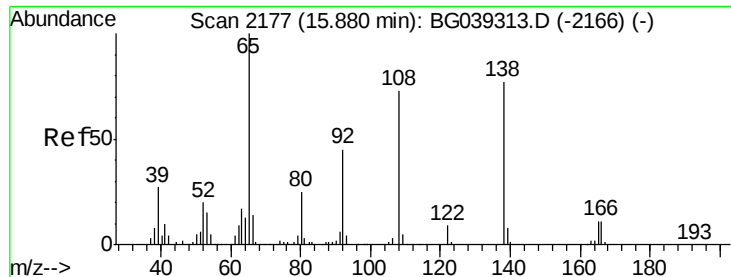
#57
2,4-Dinitrotoluene
Concen: 13.372 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.37 min
Lab File: BG039557.D
Acq: 19 Feb 2019 16:25

Tgt Ion:165 Resp: 18194
Ion Ratio Lower Upper
165 100
63 0.0 41.0 61.6#
89 4.2 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

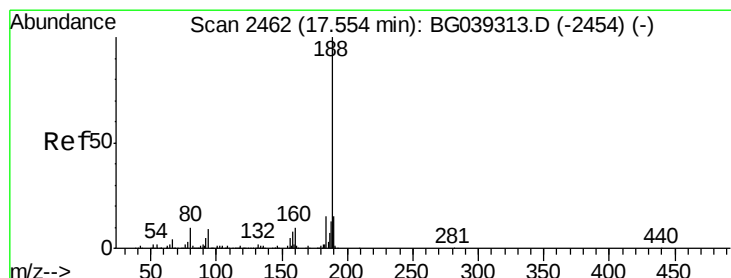
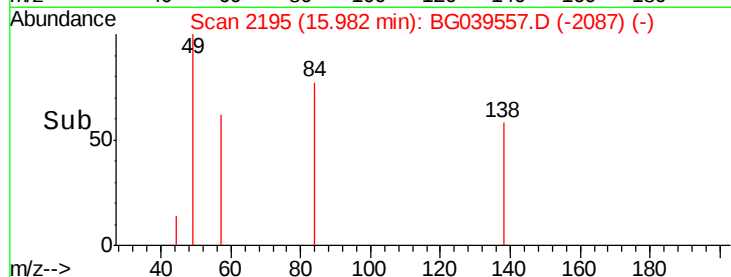
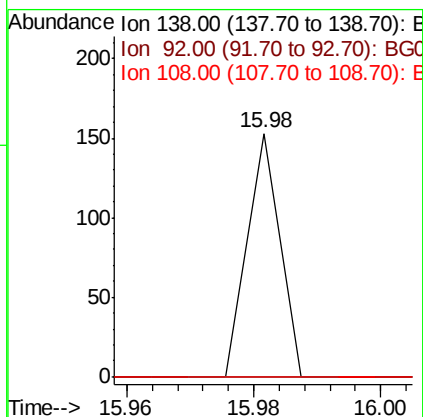
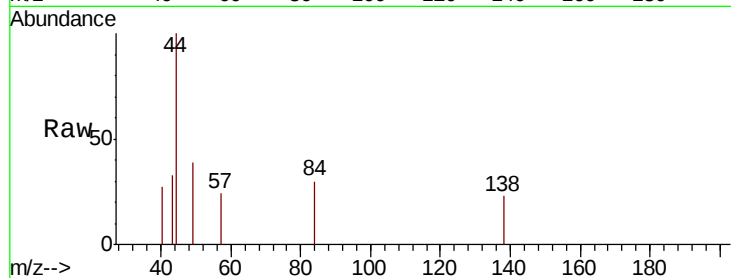




#62
4-Nitroaniline
Concen: 4.223 ng
RT: 15.98 min Scan# 2195
Delta R.T. 0.10 min
Lab File: BG039557.D
Acq: 19 Feb 2019 16:25

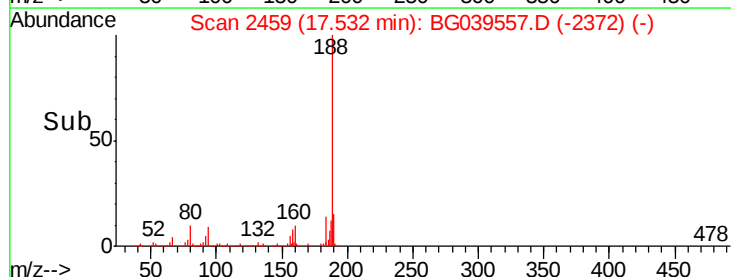
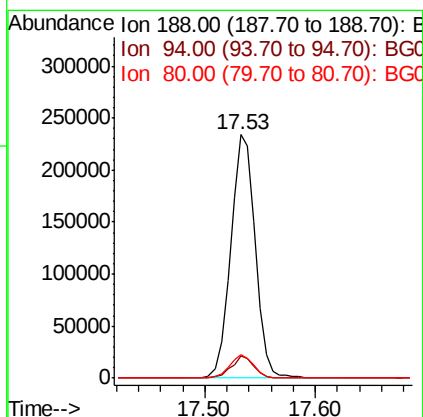
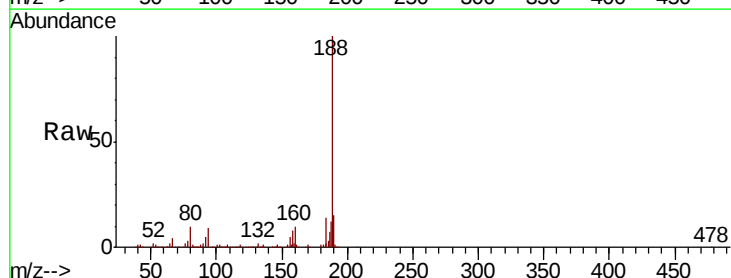
Instrument :
BNA_G
ClientSampleId :
TP-MH-C02

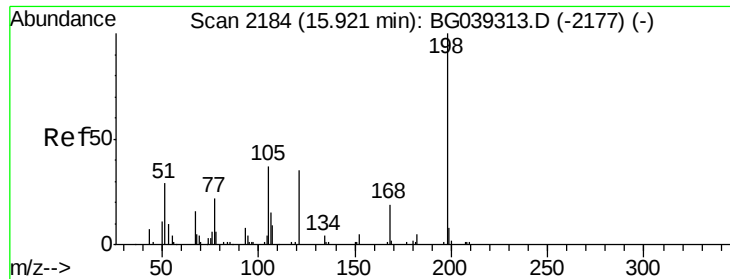
Tgt Ion:138 Resp: 54
Ion Ratio Lower Upper
138 100
92 0.0 38.7 78.7#
108 0.0 74.6 114.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.53 min Scan# 2459
Delta R.T. -0.02 min
Lab File: BG039557.D
Acq: 19 Feb 2019 16:25

Tgt Ion:188 Resp: 363742
Ion Ratio Lower Upper
188 100
94 8.9 6.9 10.3
80 9.6 8.1 12.1

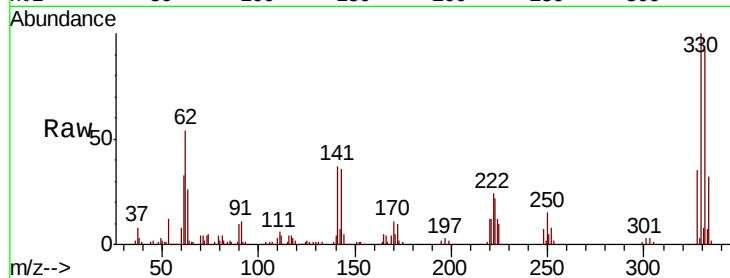




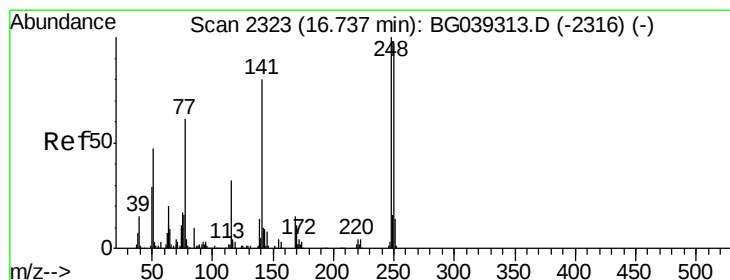
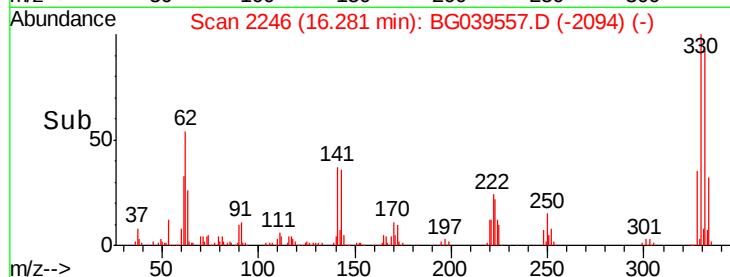
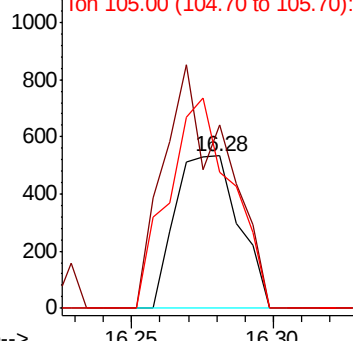
#65
4,6-Dinitro-2-methylphenol
Concen: 4.910 ng
RT: 16.28 min Scan# 2246
Delta R.T. 0.36 min
Lab File: BG039557.D
Acq: 19 Feb 2019 16:25

Instrument :
BNA_G
ClientSampleId :
TP-MH-C02

Tgt Ion:198 Resp: 834
Ion Ratio Lower Upper
198 100
51 120.2 27.4 67.4#
105 89.5 19.7 59.7#

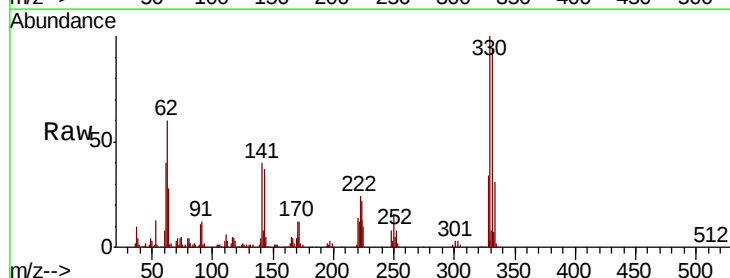


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

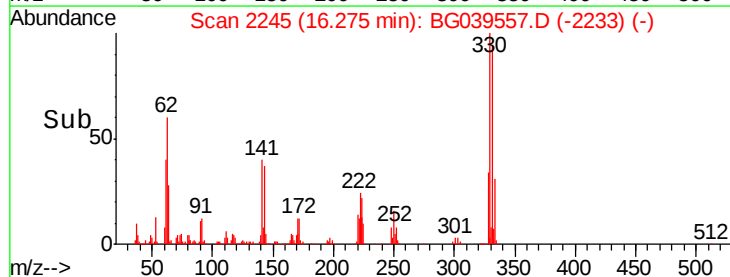
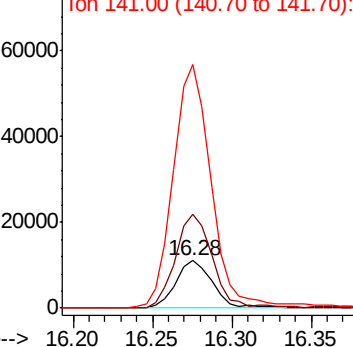


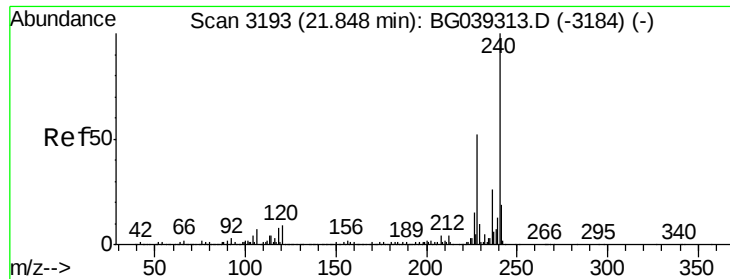
#67
4-Bromophenyl-phenylether
Concen: 4.376 ng
RT: 16.28 min Scan# 2245
Delta R.T. -0.46 min
Lab File: BG039557.D
Acq: 19 Feb 2019 16:25

Tgt Ion:248 Resp: 17660
Ion Ratio Lower Upper
248 100
250 198.2 77.6 116.4#
141 513.6 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

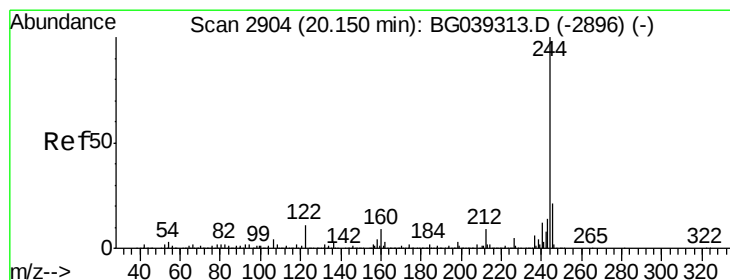
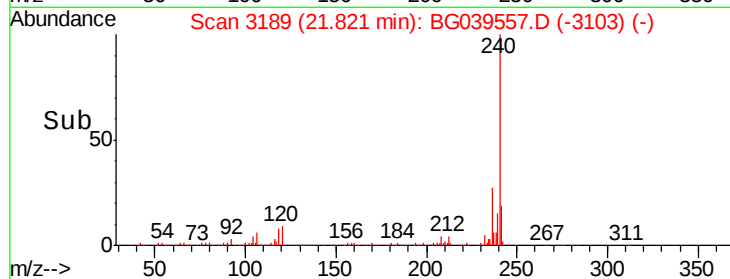
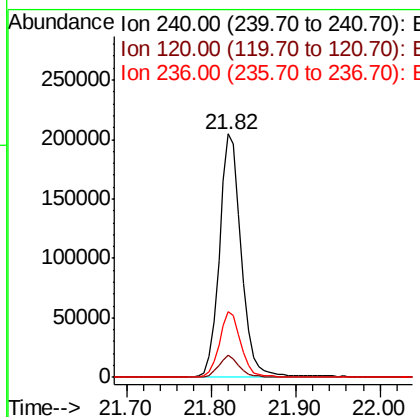
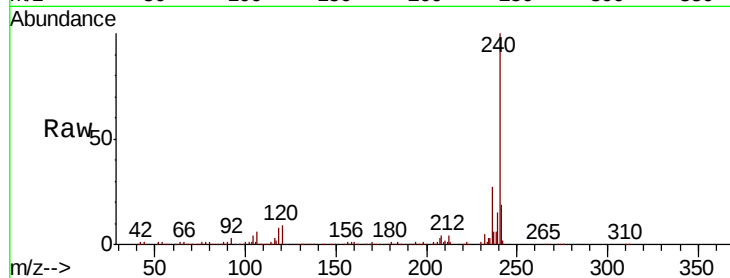




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3189
Delta R.T. -0.03 min
Lab File: BG039557.D
Acq: 19 Feb 2019 16:25

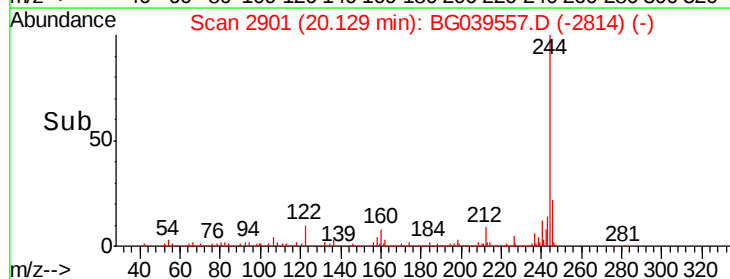
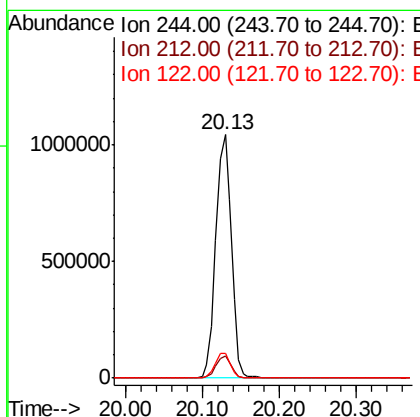
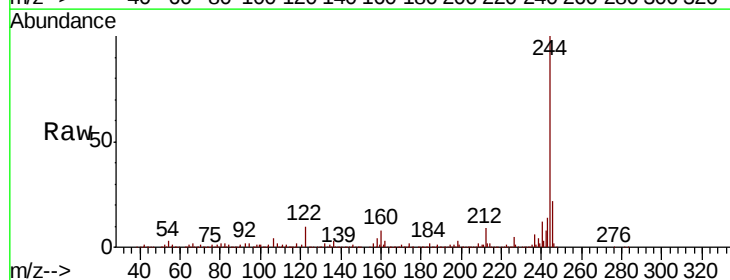
Instrument :
BNA_G
ClientSampleId :
TP-MH-C02

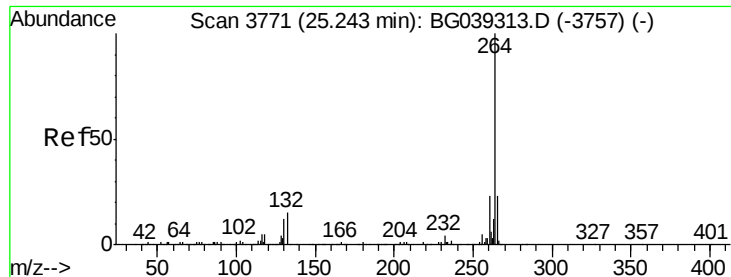
Tgt Ion:240 Resp: 367931
Ion Ratio Lower Upper
240 100
120 9.3 7.0 10.6
236 26.9 21.0 31.4



#79
Terphenyl-d14
Concen: 83.349 ng
RT: 20.13 min Scan# 2901
Delta R.T. -0.02 min
Lab File: BG039557.D
Acq: 19 Feb 2019 16:25

Tgt Ion:244 Resp: 1448805
Ion Ratio Lower Upper
244 100
212 9.0 7.3 10.9
122 10.4 8.4 12.6





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.20 min Scan# 3764
Delta R.T. -0.04 min
Lab File: BG039557.D
Acq: 19 Feb 2019 16:25

Instrument :
BNA_G
ClientSampleId :
TP-MH-C02

Tgt Ion:	264	Resp:	341694
Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.2	27.4
265	22.0	18.5	27.7

