

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022519\
 Data File : BG039592.D
 Acq On : 25 Feb 2019 18:32
 Operator : JU/SJ
 Sample : K1586-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 M-1

Quant Time: Feb 25 21:43:10 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	58569	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	254895	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	175640	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	425718	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	423953	20.00	ng	-0.02
87) Perylene-d12	25.20	264	343649	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	431246	126.02	ng	0.00
7) Phenol-d6	7.31	99	553925	109.97	ng	0.00
23) Nitrobenzene-d5	9.35	82	429428	105.25	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	200160	105.83	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	1013222	82.76	ng	-0.02
79) Terphenyl-d14	20.13	244	1651907	82.48	ng	-0.02

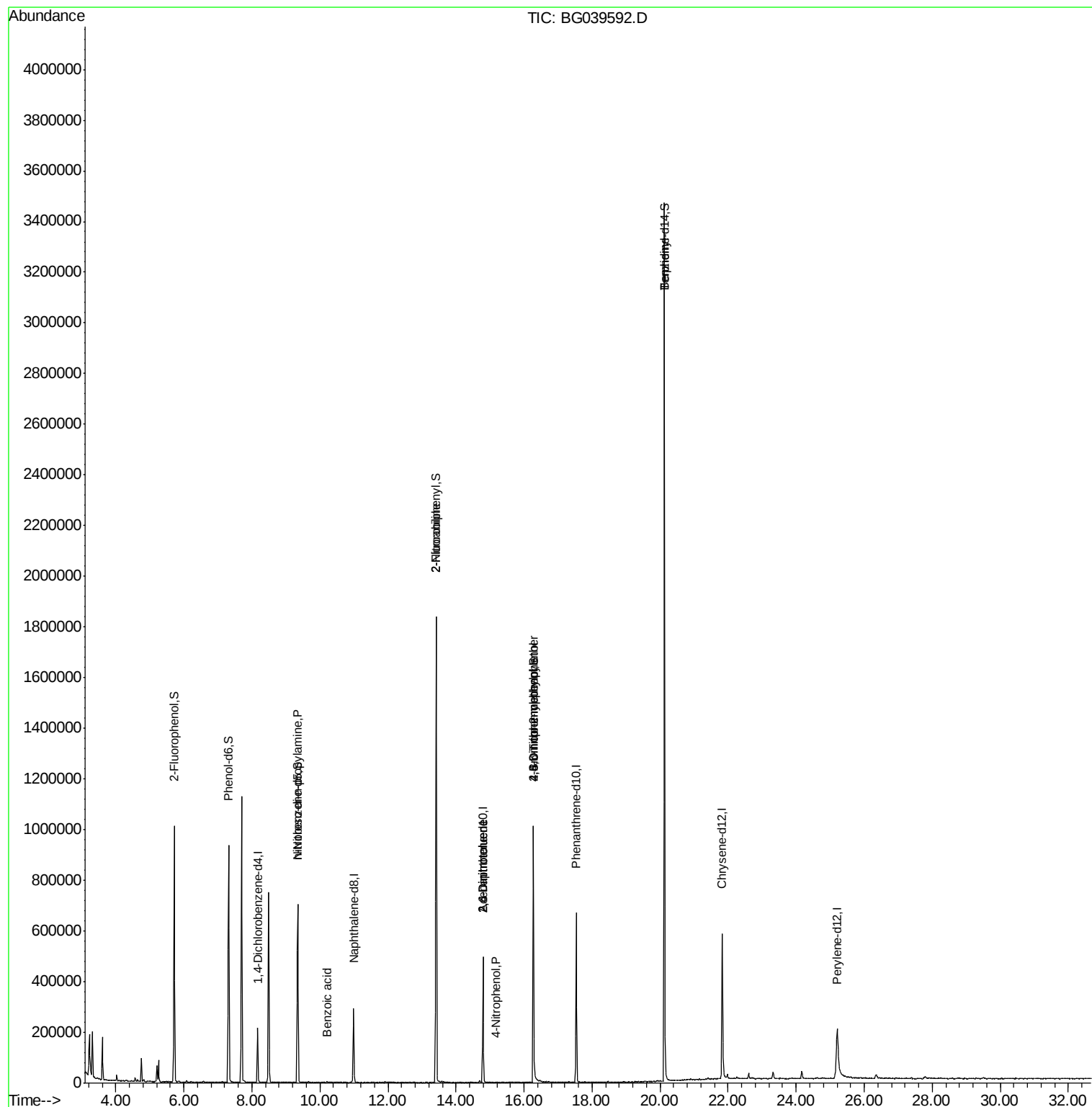
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	969	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.35	70	55755	15.595	ng	# 65
32) Benzoic acid	10.22	122	1226	9.437	ng	# 81
48) 2-Nitroaniline	13.42	65	1940	8.804	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	22621	13.926	ng	# 24
56) 4-Nitrophenol	15.19	139	55	5.814	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	22621	13.400	ng	# 19
65) 4,6-Dinitro-2-methylphenol	16.27	198	611	4.634	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	15707	3.326	ng	# 1
77) Benzidine	20.13	184	29629	2.132	ng	# 93

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022519\
Data File : BG039592.D
Acq On : 25 Feb 2019 18:32
Operator : JU/SJ
Sample : K1586-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
M-1

Quant Time: Feb 25 21:43:10 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



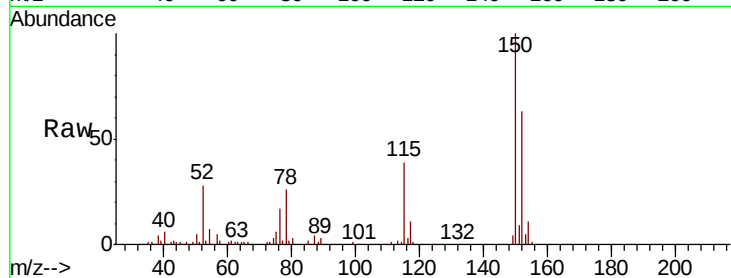


#1

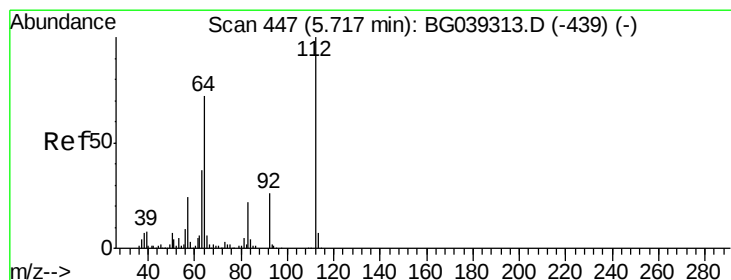
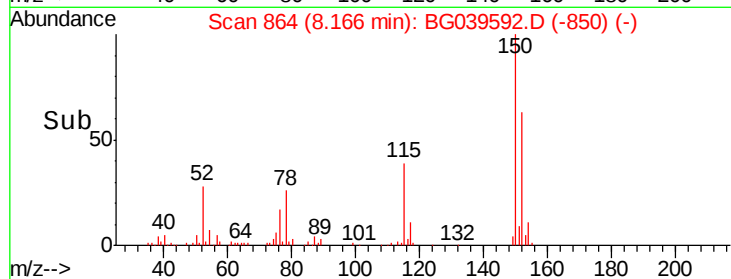
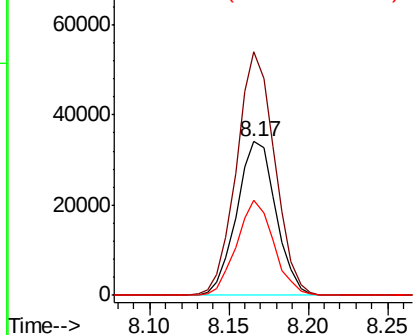
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.17 min Scan# 864
 Delta R.T. -0.02 min
 Lab File: BG039592.D
 Acq: 25 Feb 2019 18:32

Instrument :
 BNA_G
 ClientSampleId :
 M-1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.5	123.7	185.5
115	61.7	45.9	68.9



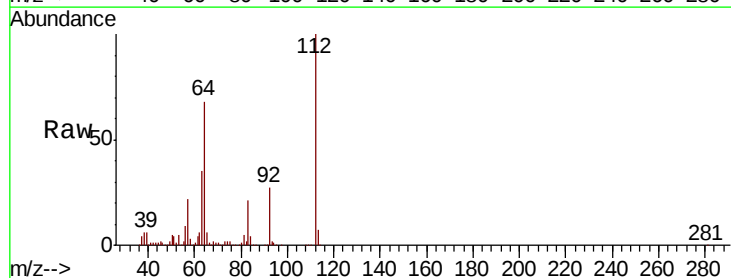
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



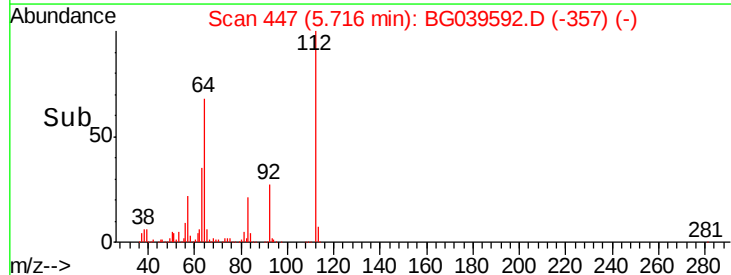
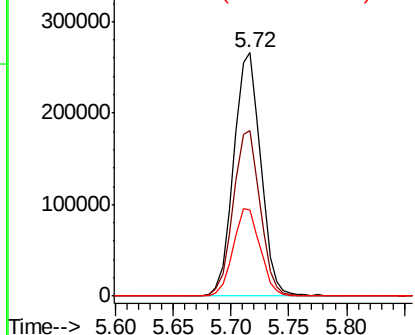
#5

2-Fluorophenol
 Concen: 126.019 ng
 RT: 5.72 min Scan# 447
 Delta R.T. -0.00 min
 Lab File: BG039592.D
 Acq: 25 Feb 2019 18:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.2	57.8	86.8
63	35.2	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: 109.967 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039592.D

Acq: 25 Feb 2019 18:32

Instrument :

BNA_G

ClientSampleId :

M-1

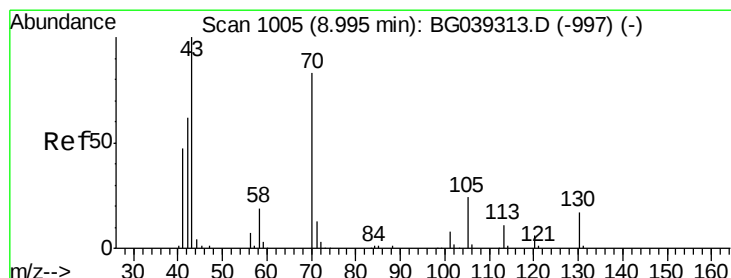
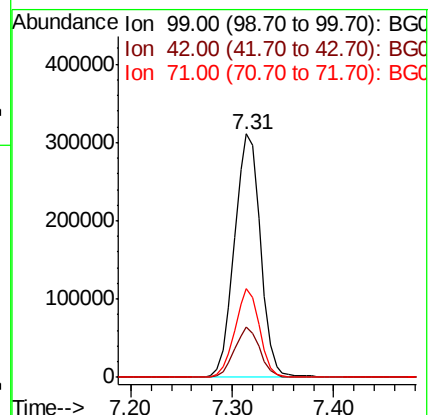
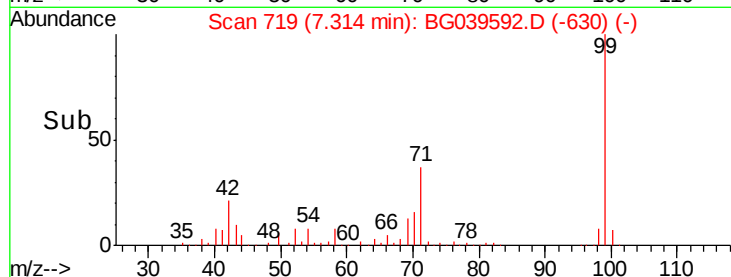
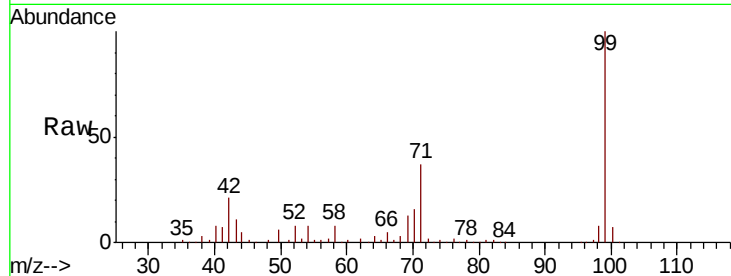
Tgt Ion: 99 Resp: 553925

Ion Ratio Lower Upper

99 100

42 20.7 18.2 27.2

71 36.6 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.595 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039592.D

Acq: 25 Feb 2019 18:32

Tgt Ion: 70 Resp: 55755

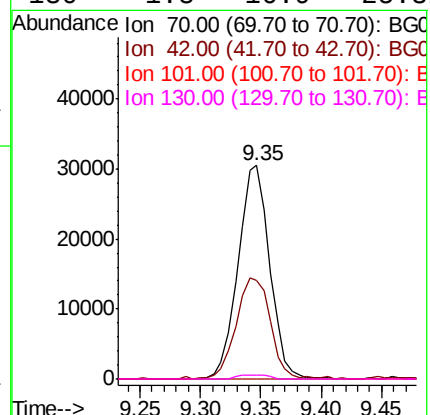
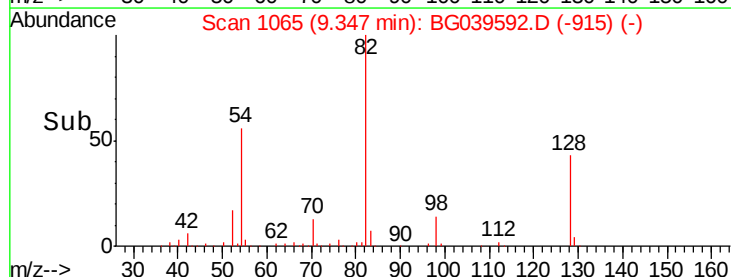
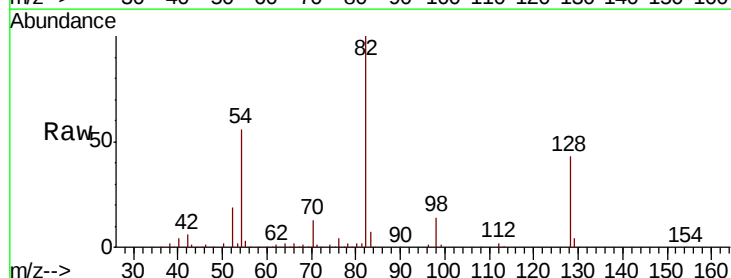
Ion Ratio Lower Upper

70 100

42 46.2 60.4 90.6#

101 0.0 7.5 11.3#

130 1.8 16.9 25.3#

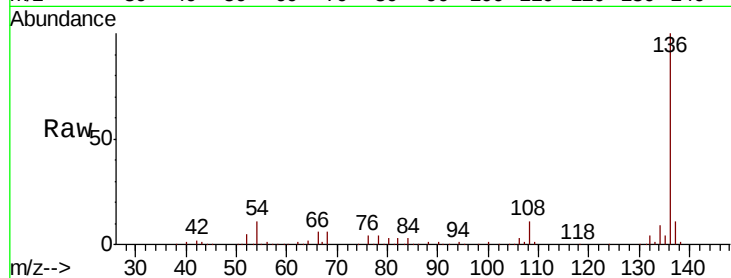




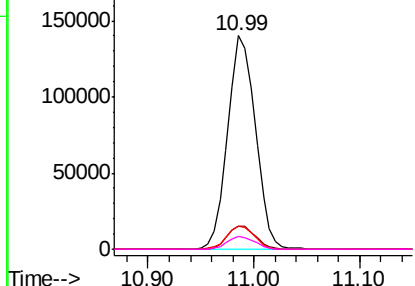
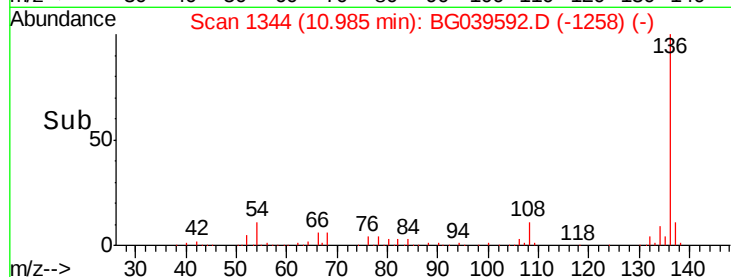
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1344
Delta R.T. -0.02 min
Lab File: BG039592.D
Acq: 25 Feb 2019 18:32

Instrument :
BNA_G
ClientSampleId :
M-1

Tgt Ion:	136	Resp:	254895
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	11.0	9.4	14.2
68	5.9	4.2	6.4

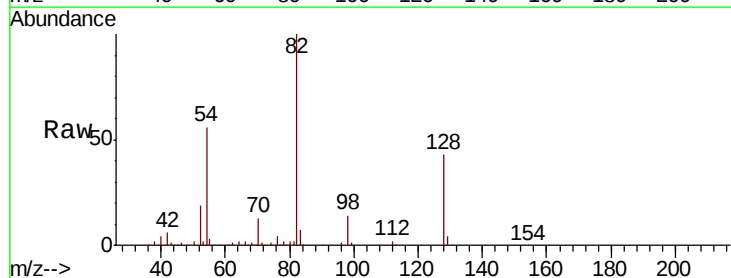


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

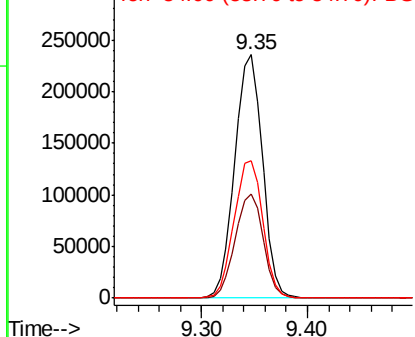
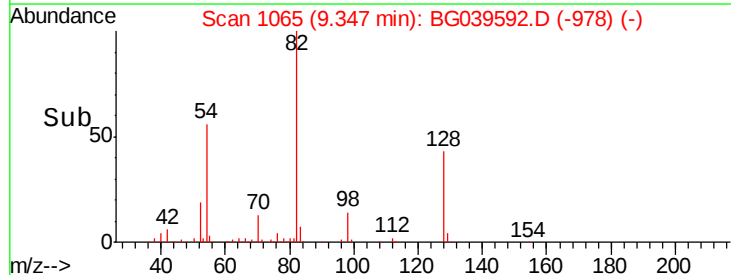


#23
Nitrobenzene-d5
Concen: 105.247 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039592.D
Acq: 25 Feb 2019 18:32

Tgt Ion:	82	Resp:	429428
Ion	Ratio	Lower	Upper
82	100		
128	42.9	31.3	46.9
54	56.2	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

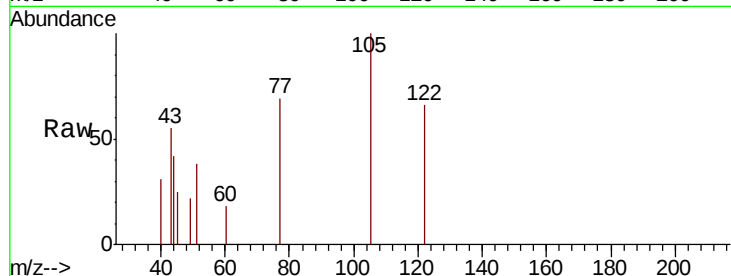




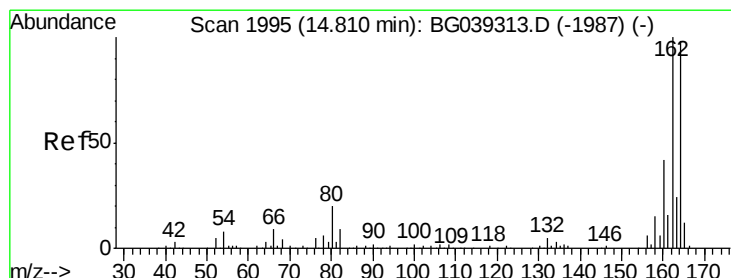
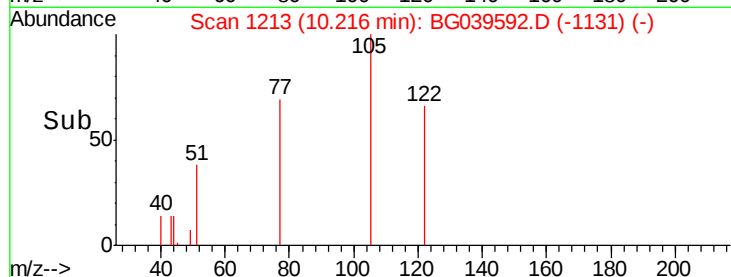
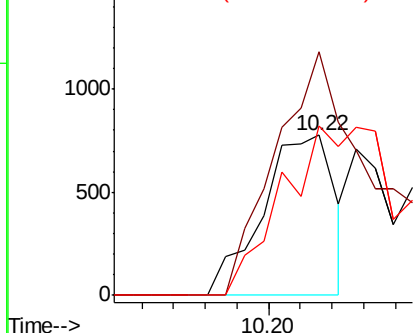
#32
Benzoic acid
Concen: 9.437 ng
RT: 10.22 min Scan# 1213
Delta R.T. -0.05 min
Lab File: BG039592.D
Acq: 25 Feb 2019 18:32

Instrument :
BNA_G
ClientSampleId :
M-1

Tgt Ion:122 Resp: 1226
Ion Ratio Lower Upper
122 100
105 152.1 101.8 141.8#
77 105.5 76.3 116.3

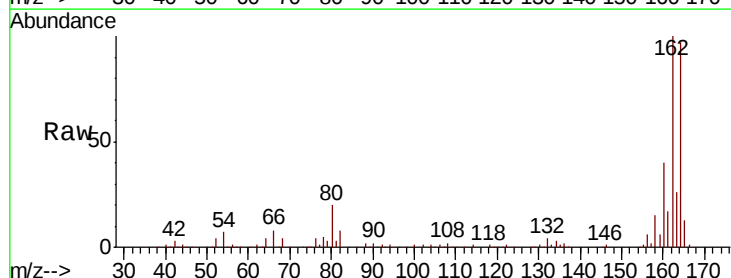


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

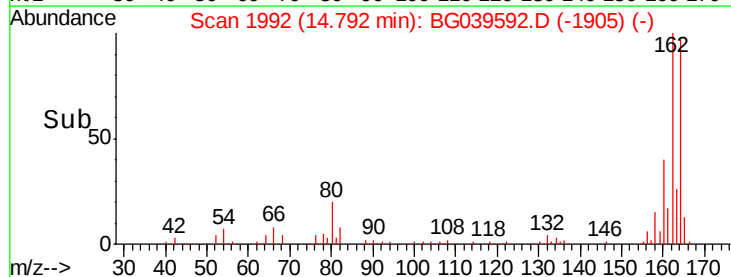
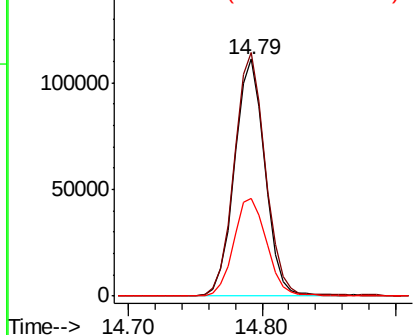


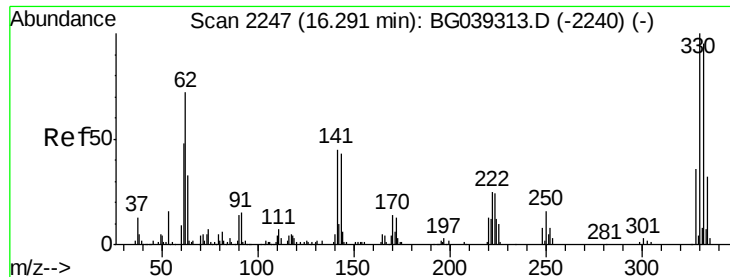
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BG039592.D
Acq: 25 Feb 2019 18:32

Tgt Ion:164 Resp: 175640
Ion Ratio Lower Upper
164 100
162 102.7 81.6 122.4
160 41.3 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

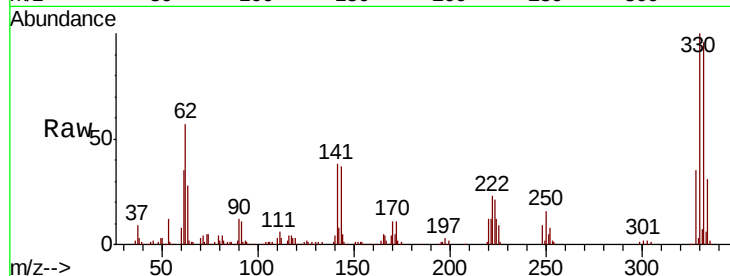




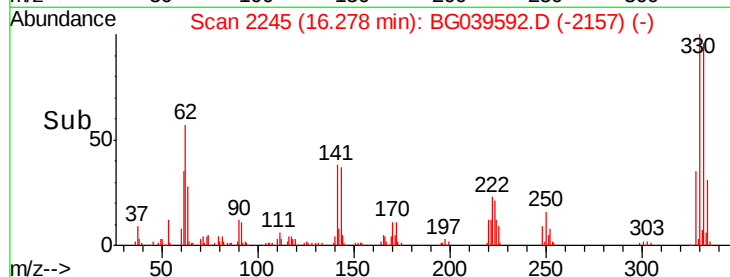
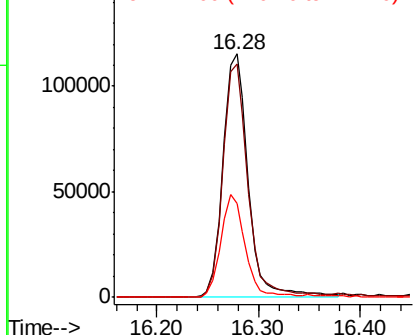
#42
 2,4,6-Tribromophenol
 Concen: 105.830 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.01 min
 Lab File: BG039592.D
 Acq: 25 Feb 2019 18:32

Instrument :
 BNA_G
 ClientSampleId :
 M-1

Tgt Ion:330 Resp: 200160
 Ion Ratio Lower Upper
 330 100
 332 96.2 75.7 113.5
 141 41.6 35.6 53.4

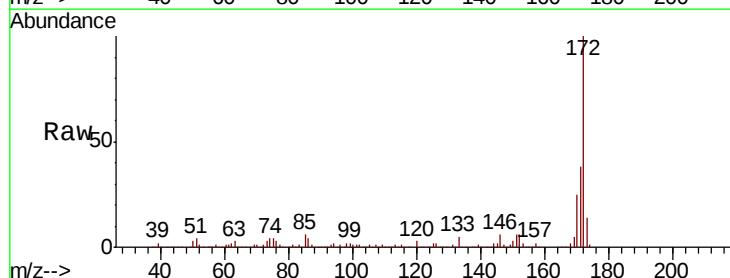


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

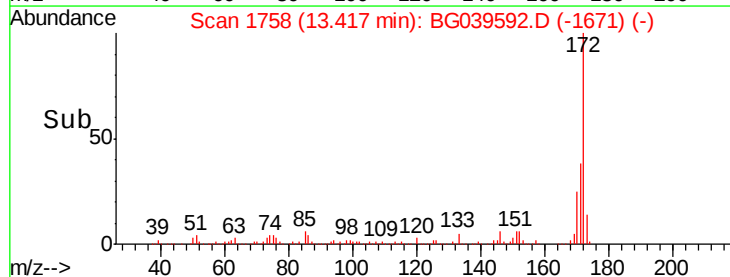
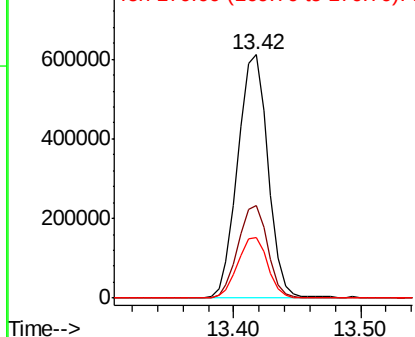


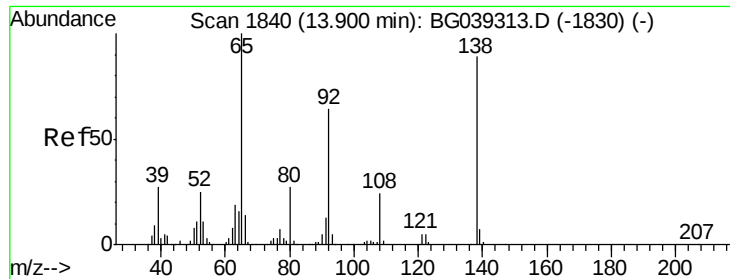
#45
 2-Fluorobiphenyl
 Concen: 82.756 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039592.D
 Acq: 25 Feb 2019 18:32

Tgt Ion:172 Resp: 1013222
 Ion Ratio Lower Upper
 172 100
 171 38.1 30.8 46.2
 170 25.0 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: 8.804 ng

RT: 13.42 min Scan# 1758

Delta R.T. -0.48 min

Lab File: BG039592.D

Acq: 25 Feb 2019 18:32

Instrument :

BNA_G

ClientSampleId :

M-1

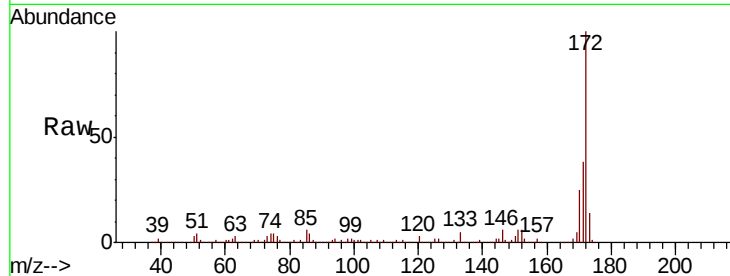
Tgt Ion: 65 Resp: 1940

Ion Ratio Lower Upper

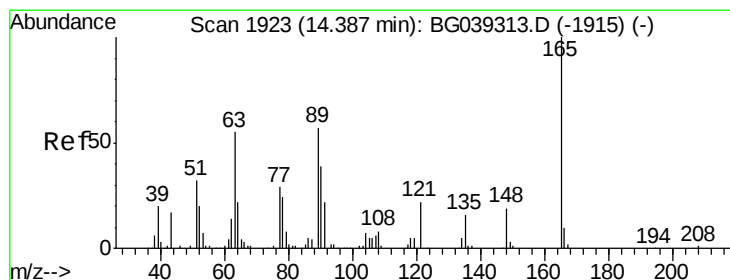
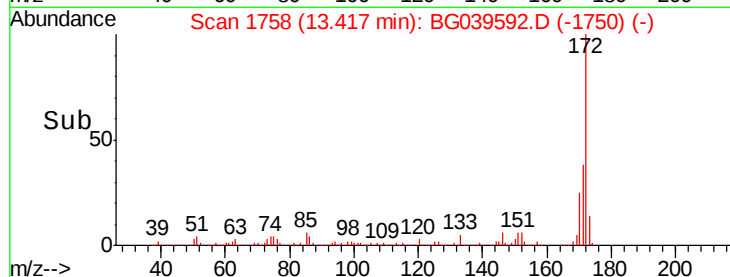
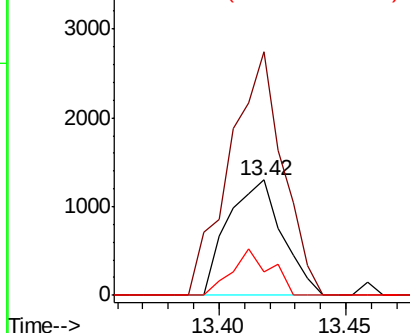
65 100

92 210.8 51.4 77.2#

138 20.2 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: 13.926 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.41 min

Lab File: BG039592.D

Acq: 25 Feb 2019 18:32

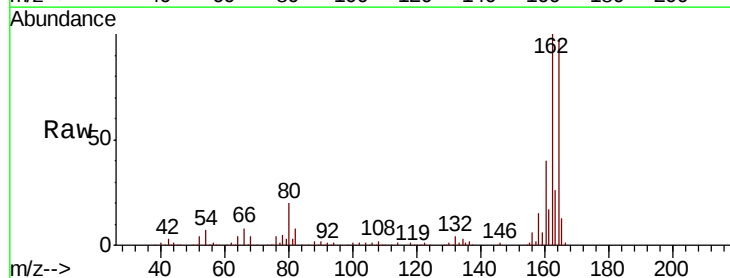
Tgt Ion: 165 Resp: 22621

Ion Ratio Lower Upper

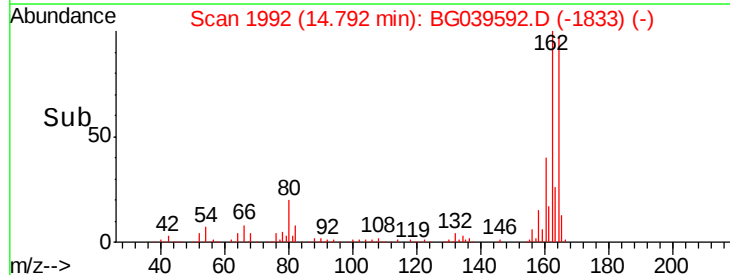
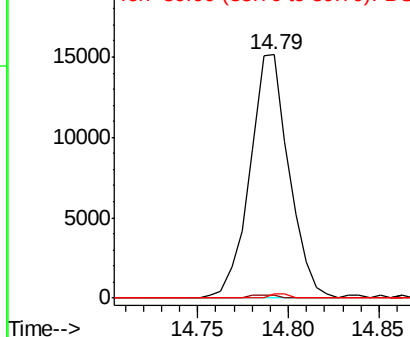
165 100

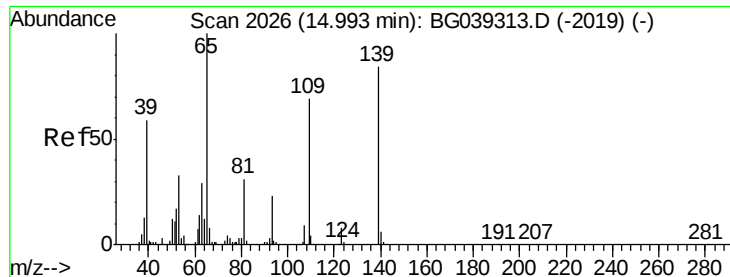
63 1.1 47.0 70.6#

89 1.6 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: 5.814 ng

RT: 15.19 min Scan# 2059

Delta R.T. 0.19 min

Lab File: BG039592.D

Acq: 25 Feb 2019 18:32

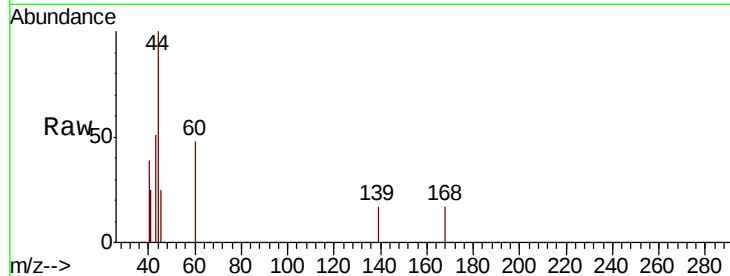
Instrument :

BNA_G

ClientSampleId :

M-1

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

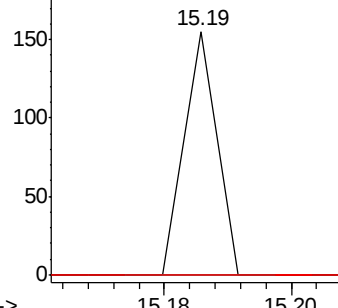


Abundance

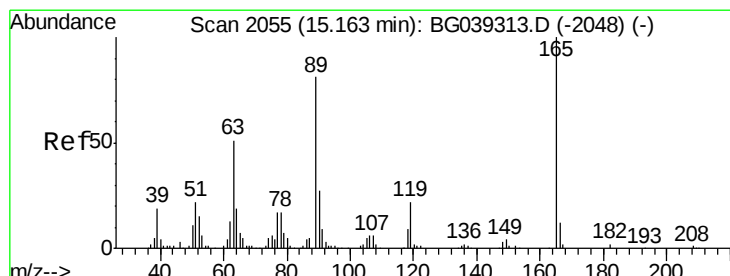
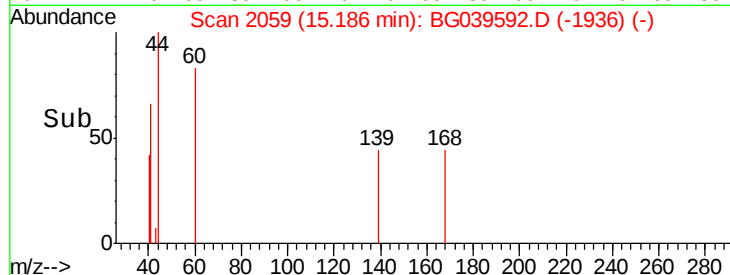
Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



Time-->



#57

2,4-Dinitrotoluene

Concen: 13.400 ng

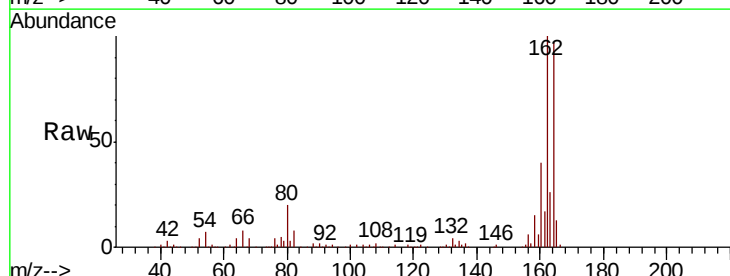
RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039592.D

Acq: 25 Feb 2019 18:32

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	41.0	61.6#
89	1.6	64.6	96.8#
182	0.0	2.0	3.0#



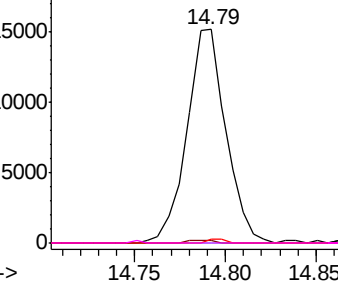
Abundance

Ion 165.00 (164.70 to 165.70): E

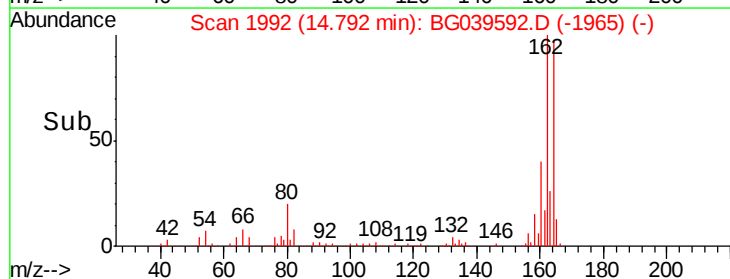
Ion 63.00 (62.70 to 63.70): BGC

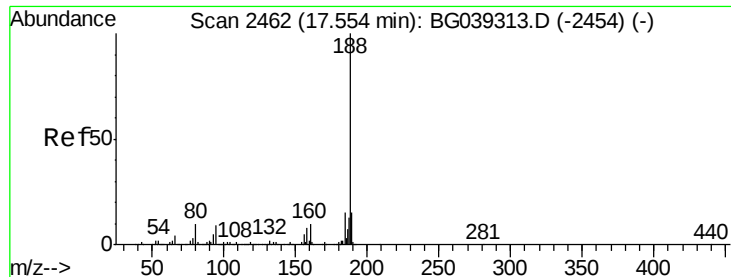
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



Time-->





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039592.D

Acq: 25 Feb 2019 18:32

Instrument :

BNA_G

ClientSampleId :

M-1

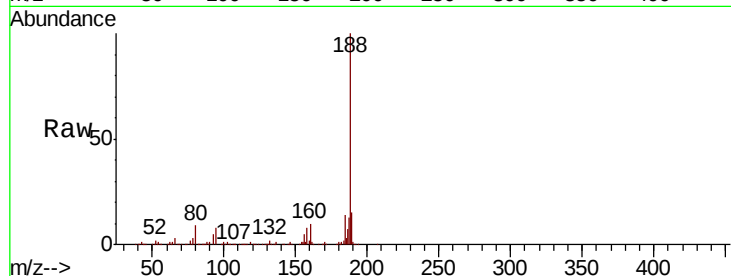
Tgt Ion:188 Resp: 425718

Ion Ratio Lower Upper

188 100

94 8.4 6.9 10.3

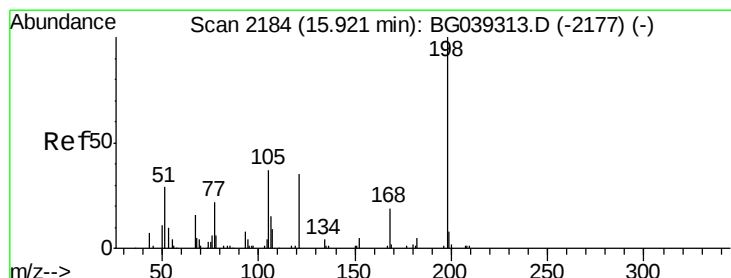
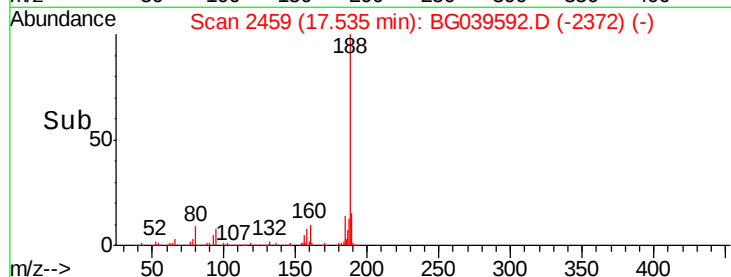
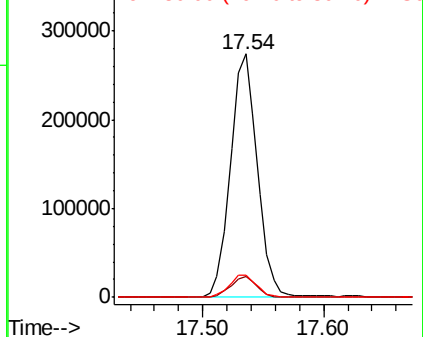
80 8.9 8.1 12.1



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: 4.634 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.35 min

Lab File: BG039592.D

Acq: 25 Feb 2019 18:32

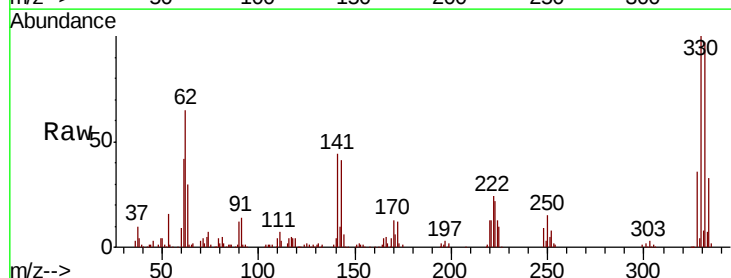
Tgt Ion:198 Resp: 611

Ion Ratio Lower Upper

198 100

51 177.6 27.4 67.4#

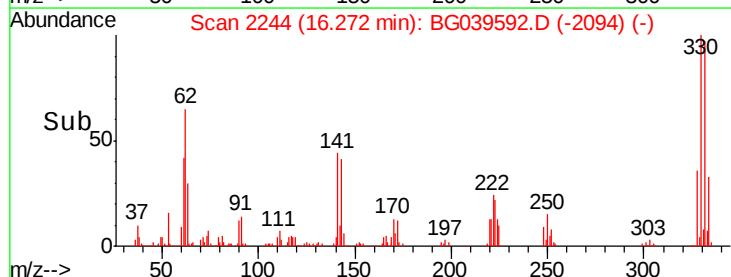
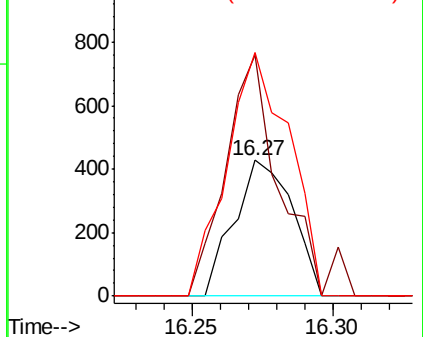
105 179.2 19.7 59.7#

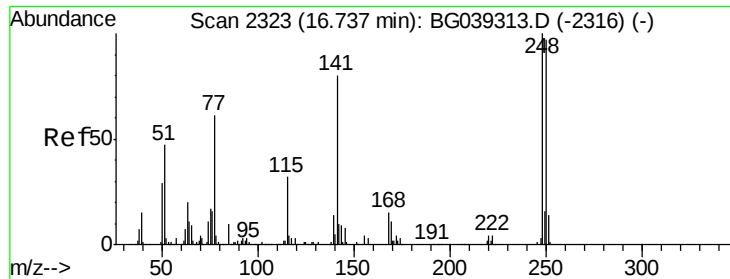


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

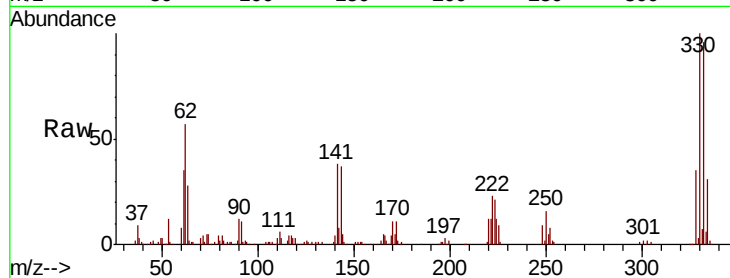




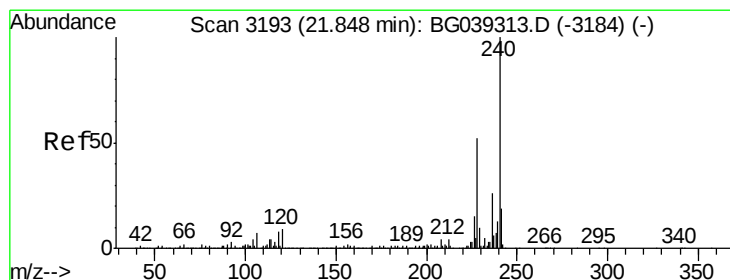
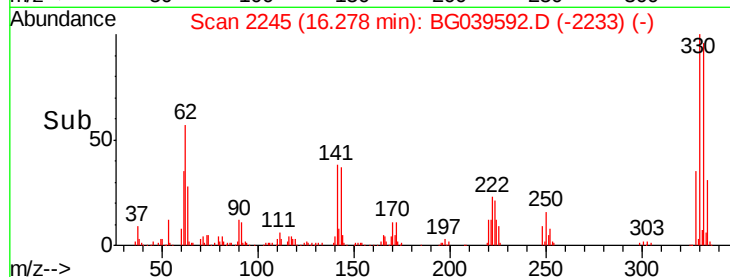
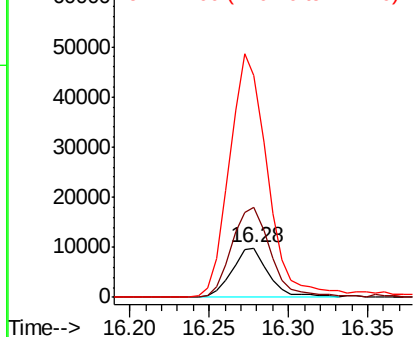
#67
 4-Bromophenyl-phenylether
 Concen: 3.326 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039592.D
 Acq: 25 Feb 2019 18:32

Instrument :
 BNA_G
 ClientSampleId :
 M-1

Tgt Ion:248 Resp: 15707
 Ion Ratio Lower Upper
 248 100
 250 180.5 77.6 116.4#
 141 446.4 63.9 95.9#

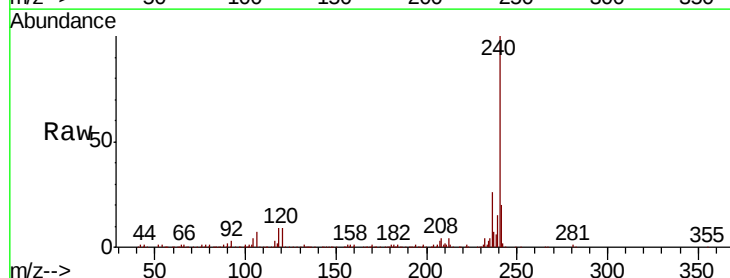


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

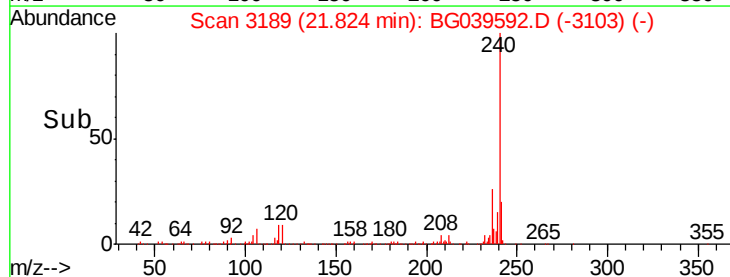
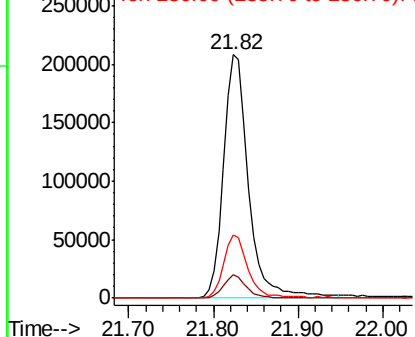


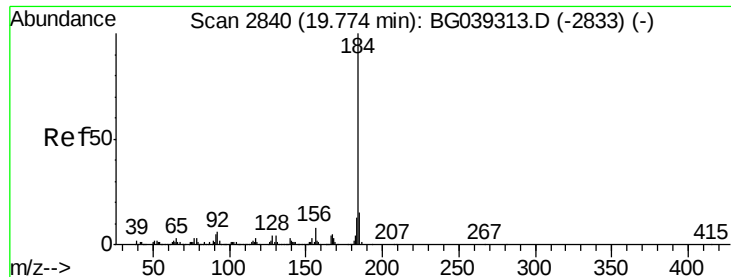
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.02 min
 Lab File: BG039592.D
 Acq: 25 Feb 2019 18:32

Tgt Ion:240 Resp: 423953
 Ion Ratio Lower Upper
 240 100
 120 9.5 7.0 10.6
 236 26.1 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





#77

Benzidine

Concen: 2.132 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.35 min

Lab File: BG039592.D

Acq: 25 Feb 2019 18:32

Instrument :

BNA_G

ClientSampleId :

M-1

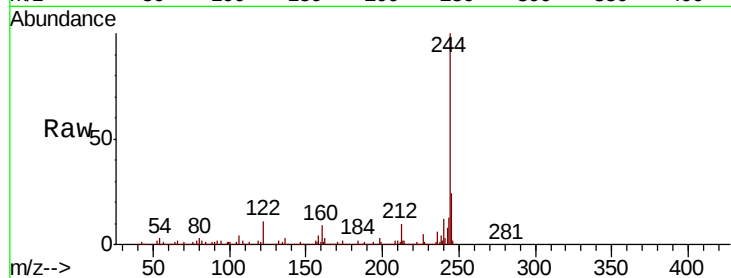
Tgt Ion:184 Resp: 29629

Ion Ratio Lower Upper

184 100

185 16.3 12.2 18.2

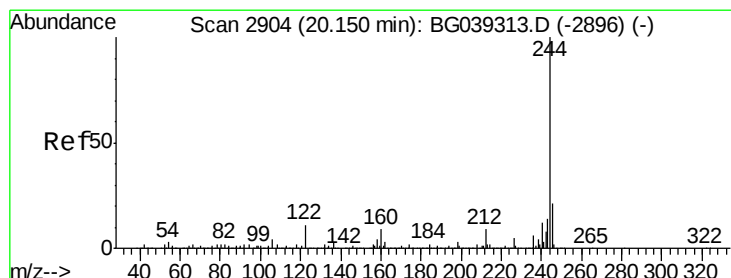
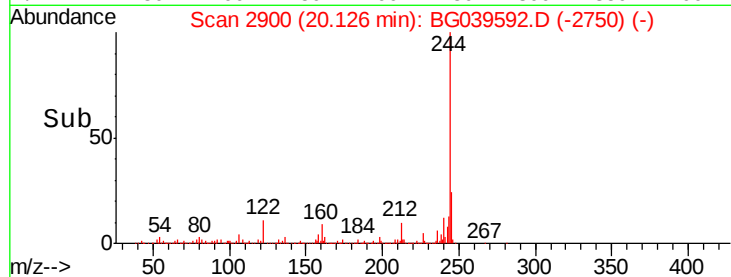
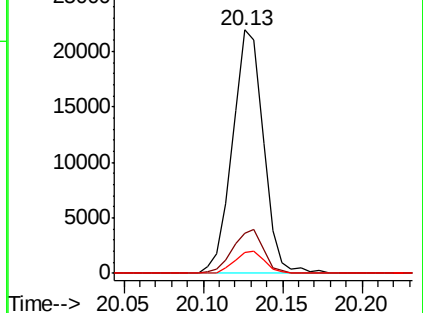
183 8.4 10.6 15.8#



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: 82.475 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.02 min

Lab File: BG039592.D

Acq: 25 Feb 2019 18:32

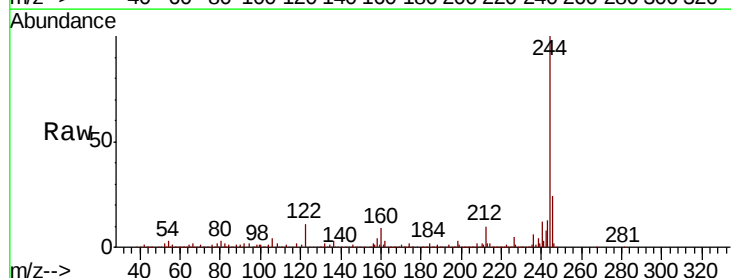
Tgt Ion:244 Resp: 1651907

Ion Ratio Lower Upper

244 100

212 9.6 7.3 10.9

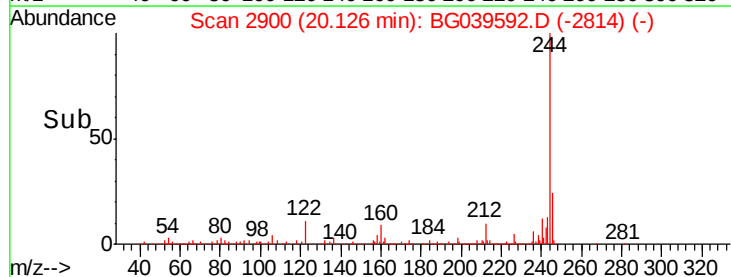
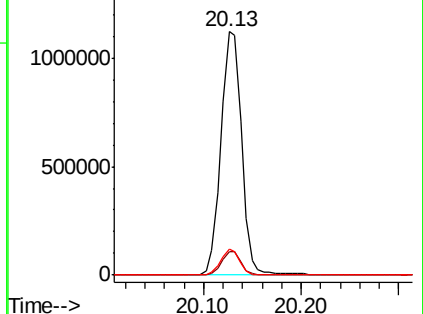
122 10.7 8.4 12.6

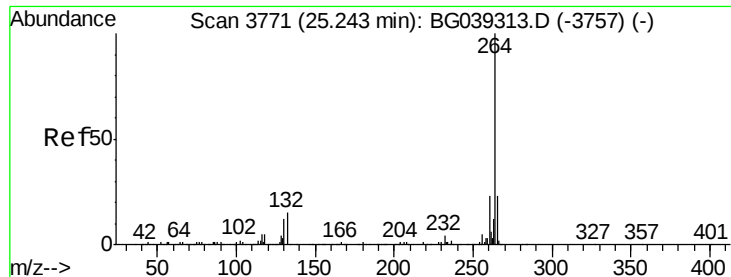


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG039592.D
Acq: 25 Feb 2019 18:32

Instrument :
BNA_G
ClientSampleId :
M-1

Tgt Ion:	264	Resp:	343649
Ion	Ratio	Lower	Upper
264	100		
260	20.3	18.2	27.4
265	21.2	18.5	27.7

