

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022519\
 Data File : BG039590.D
 Acq On : 25 Feb 2019 17:14
 Operator : JU/SJ
 Sample : K1356-12
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-02-022219-B

Quant Time: Feb 25 21:42:44 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	51108	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	229581	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	161325	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	386822	20.00	ng	-0.02
76) Chrysene-d12	21.83	240	387183	20.00	ng	-0.02
87) Perylene-d12	25.21	264	297697	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	328188	109.90	ng	0.00
7) Phenol-d6	7.31	99	434264	98.80	ng	0.00
23) Nitrobenzene-d5	9.34	82	322813	87.84	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	132241	76.12	ng	-0.02
45) 2-Fluorobiphenyl	13.41	172	800600	71.19	ng	-0.02
79) Terphenyl-d14	20.13	244	1292139	70.64	ng	-0.02

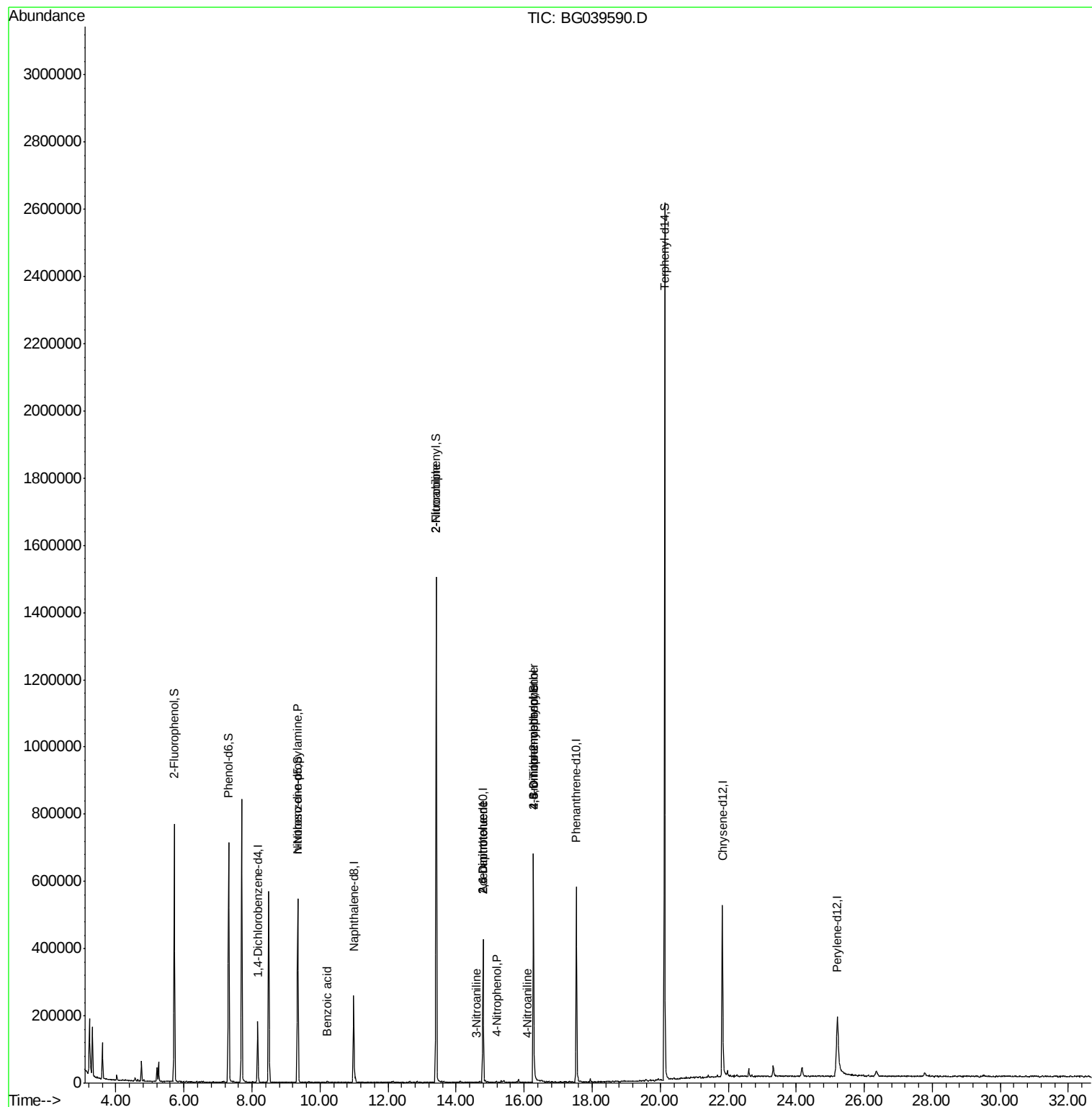
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	927	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	41648	13.350	ng	# 70
32) Benzoic acid	10.21	122	1529	9.597	ng	# 75
48) 2-Nitroaniline	13.41	65	1246	8.652	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	21060	14.026	ng	# 25
53) 3-Nitroaniline	14.61	138	56	5.812	ng	# 1
56) 4-Nitrophenol	15.19	139	1491	6.381	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	21060	13.476	ng	# 20
62) 4-Nitroaniline	16.08	138	57	4.222	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.28	198	355	4.467	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	9678	2.255	ng	# 1

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

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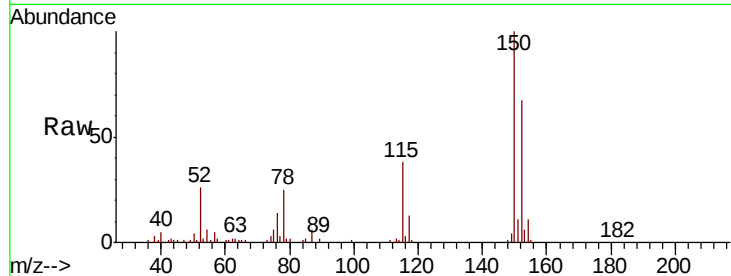


#1

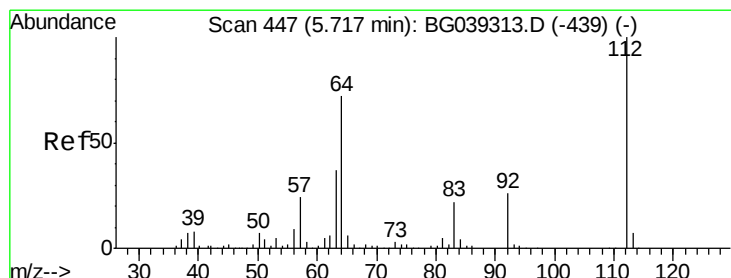
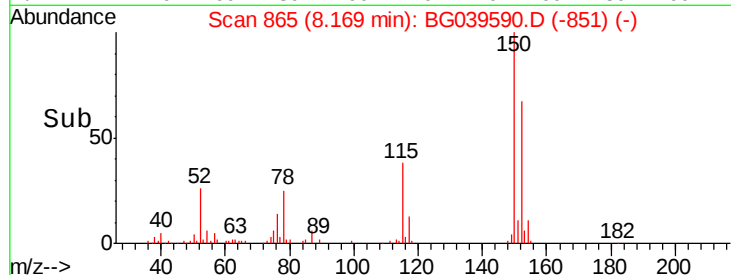
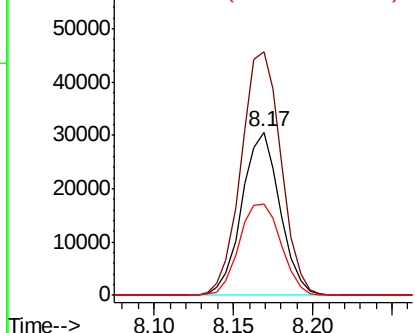
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.02 min
Lab File: BG039590.D
Acq: 25 Feb 2019 17:14

Instrument :
BNA_G
ClientSampleId :
SU-02-022219-B

Tgt Ion:152 Resp: 51108
Ion Ratio Lower Upper
152 100
150 149.2 123.7 185.5
115 56.2 45.9 68.9



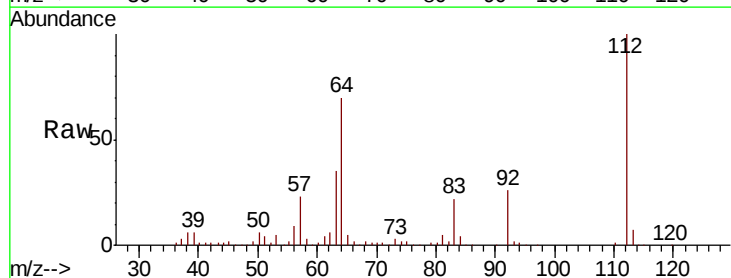
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



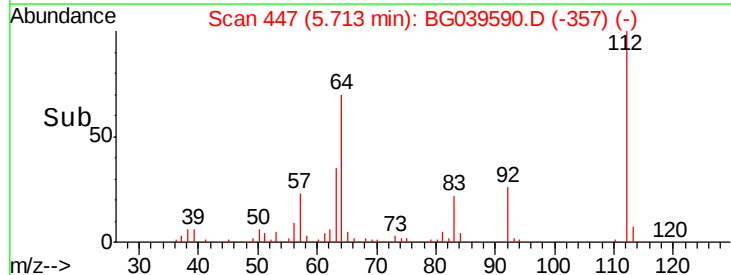
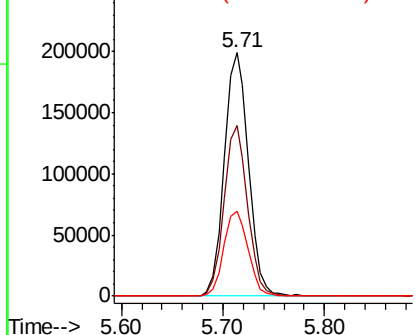
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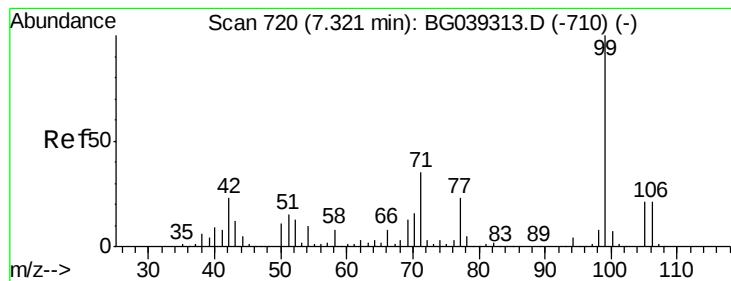
2-Fluorophenol
Concen: 109.904 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039590.D
Acq: 25 Feb 2019 17:14

Tgt Ion:112 Resp: 328188
Ion Ratio Lower Upper
112 100
64 70.1 57.8 86.8
63 35.1 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: 98.797 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039590.D

Acq: 25 Feb 2019 17:14

Instrument :

BNA_G

ClientSampleId :

SU-02-022219-B

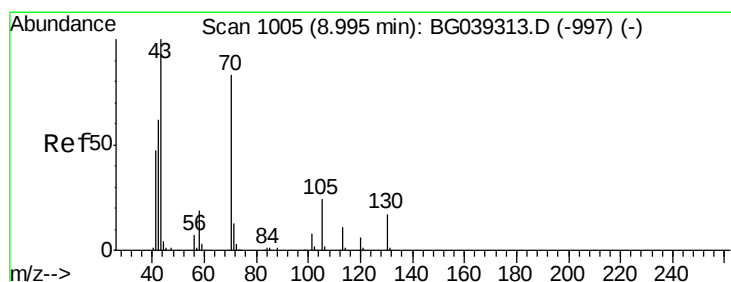
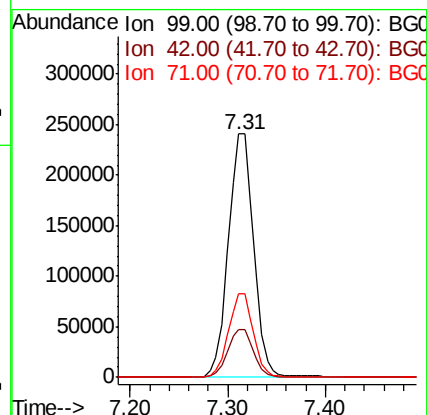
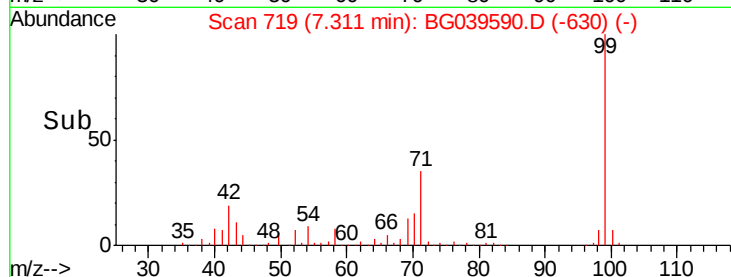
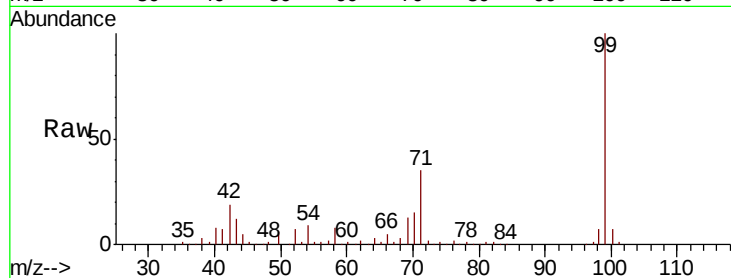
Tgt Ion: 99 Resp: 434264

Ion Ratio Lower Upper

99 100

42 19.4 18.2 27.2

71 34.6 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.350 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039590.D

Acq: 25 Feb 2019 17:14

Tgt Ion: 70 Resp: 41648

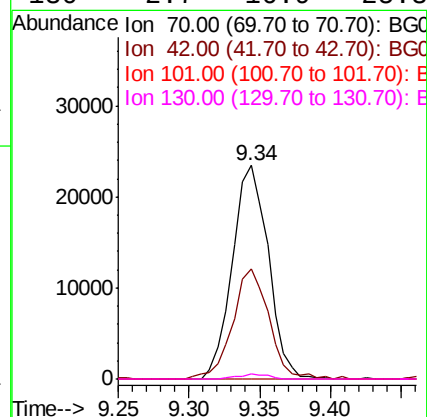
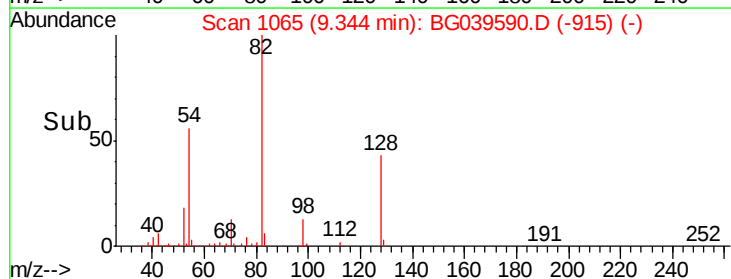
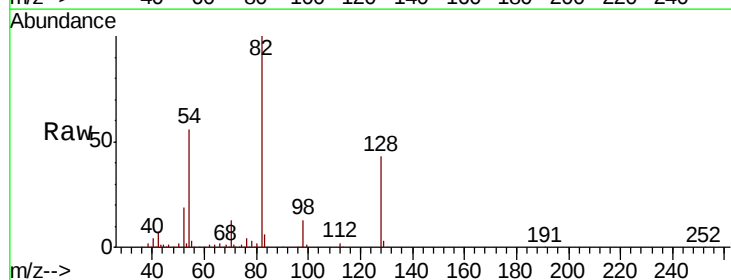
Ion Ratio Lower Upper

70 100

42 51.4 60.4 90.6#

101 0.0 7.5 11.3#

130 2.7 16.9 25.3#

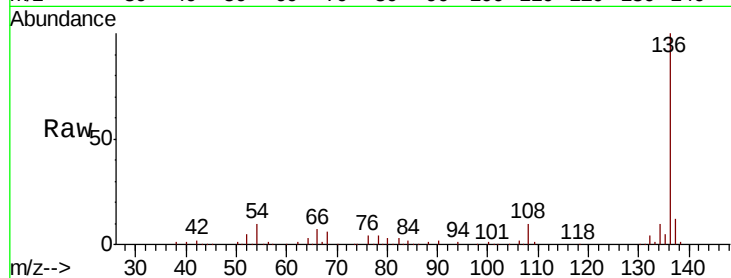




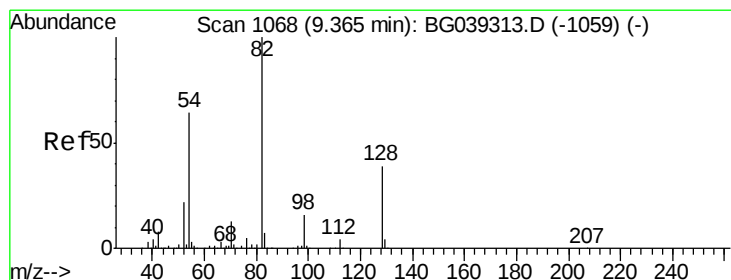
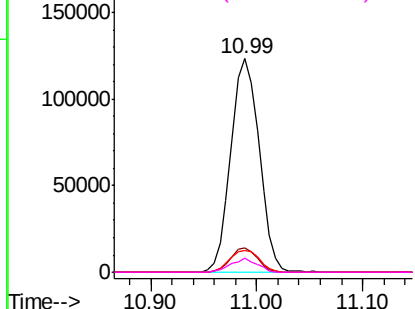
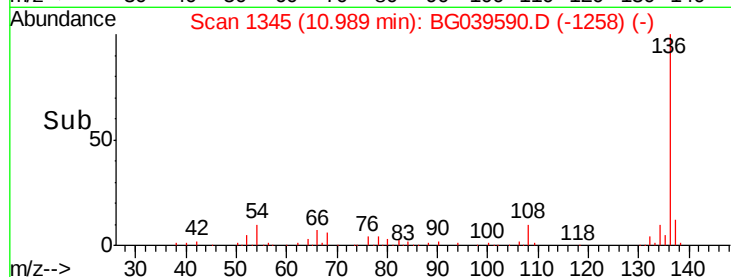
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039590.D
Acq: 25 Feb 2019 17:14

Instrument :
BNA_G
ClientSampleId :
SU-02-022219-B

Tgt Ion:	136	Resp:	229581
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.1	13.7
54	10.2	9.4	14.2
68	6.4	4.2	6.4#

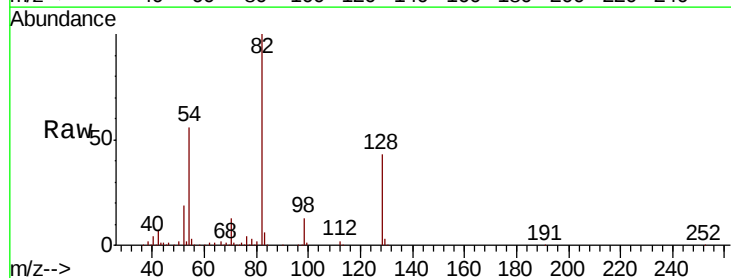


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

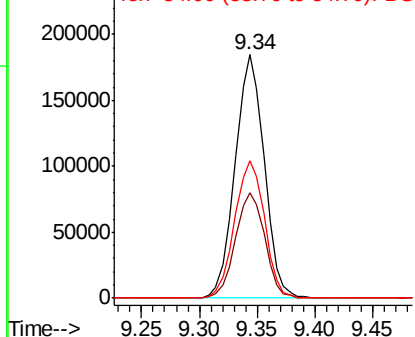
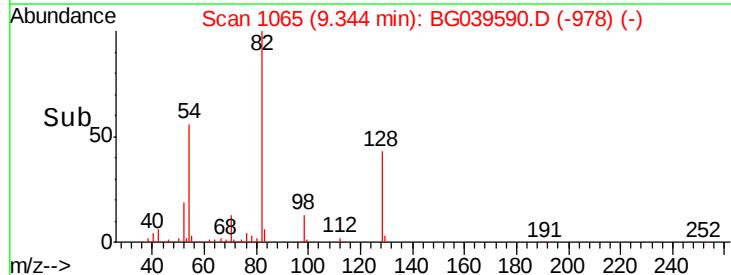


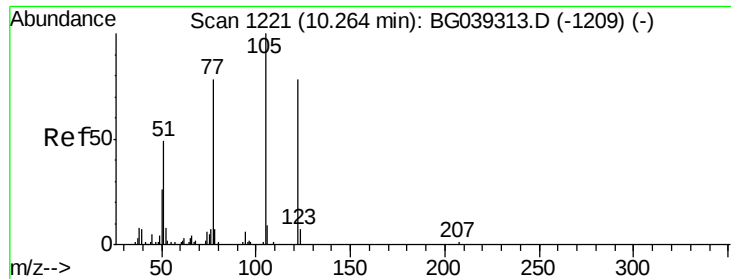
#23
Nitrobenzene-d5
Concen: 87.841 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039590.D
Acq: 25 Feb 2019 17:14

Tgt Ion:	82	Resp:	322813
Ion	Ratio	Lower	Upper
82	100		
128	43.3	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): BGC
Ion 54.00 (53.70 to 54.70): BGC

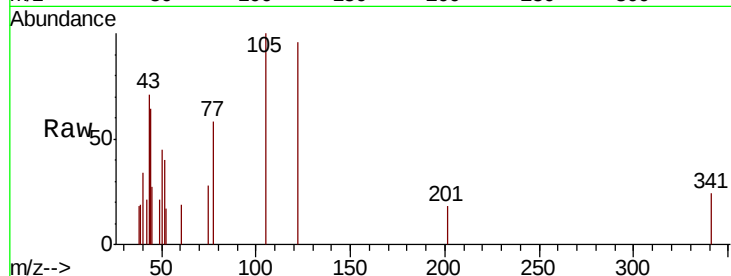




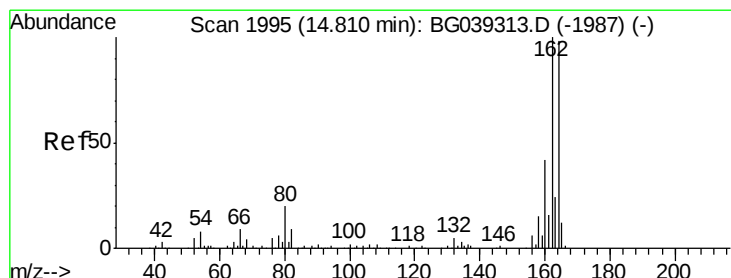
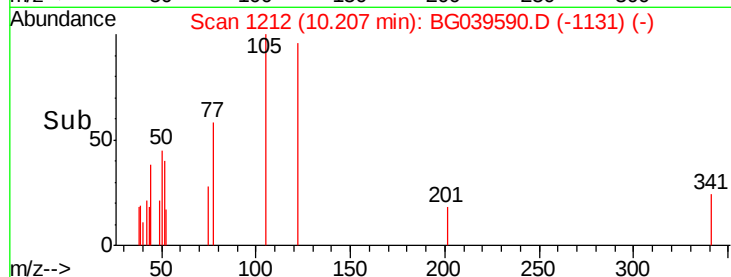
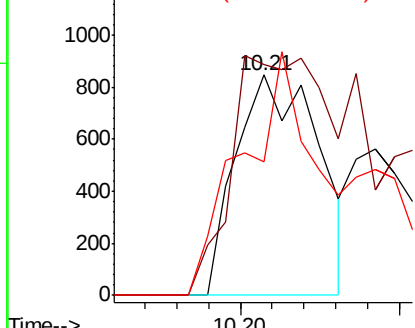
#32
Benzoic acid
Concen: 9.597 ng
RT: 10.21 min Scan# 1212
Delta R.T. -0.06 min
Lab File: BG039590.D
Acq: 25 Feb 2019 17:14

Instrument :
BNA_G
ClientSampleId :
SU-02-022219-B

Tgt Ion:122 Resp: 1529
Ion Ratio Lower Upper
122 100
105 104.5 101.8 141.8
77 60.8 76.3 116.3#

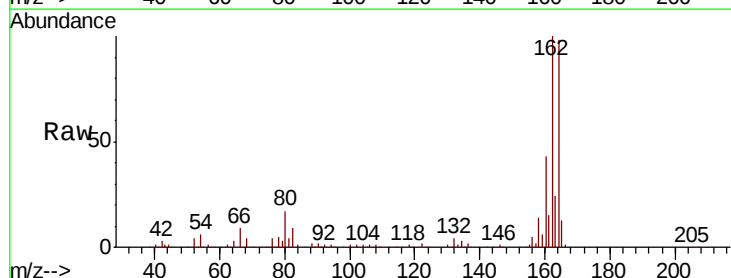


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BG

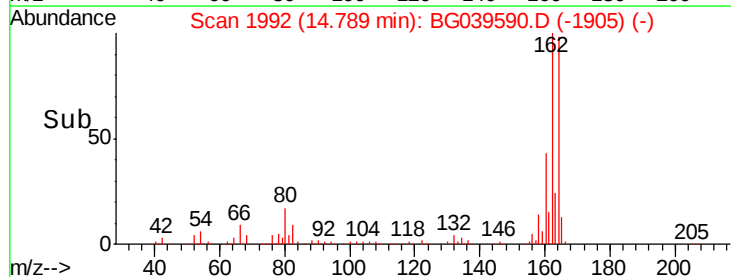
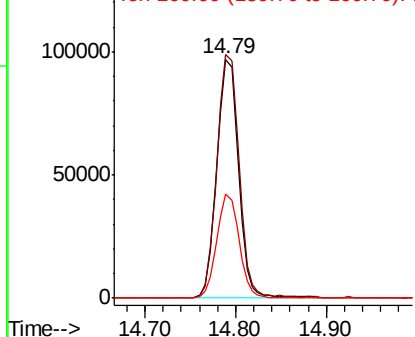


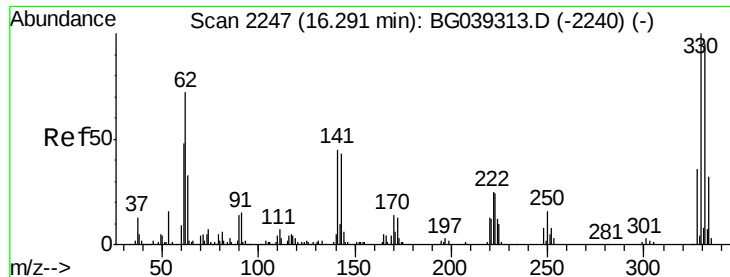
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BG039590.D
Acq: 25 Feb 2019 17:14

Tgt Ion:164 Resp: 161325
Ion Ratio Lower Upper
164 100
162 101.8 81.6 122.4
160 43.6 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

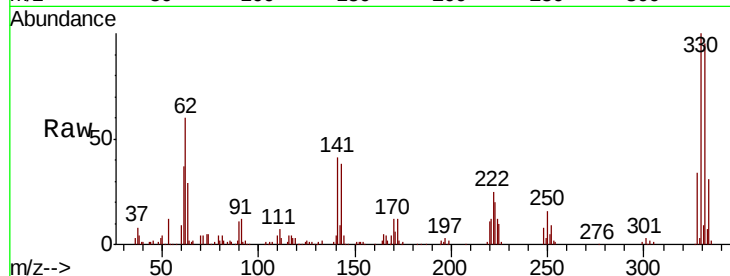




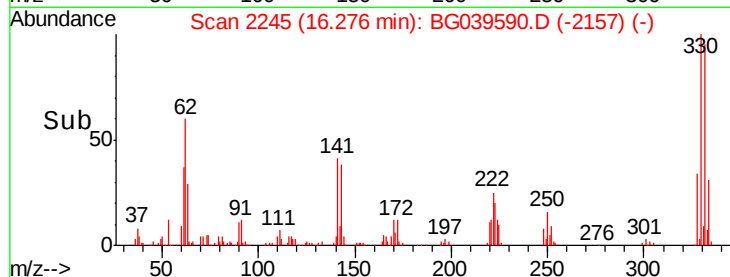
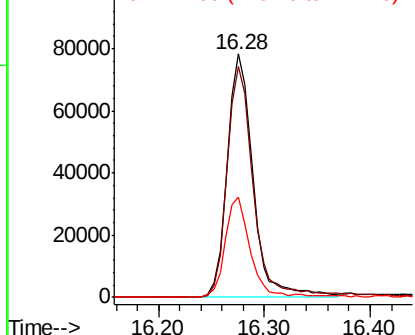
#42
 2,4,6-Tribromophenol
 Concen: 76.123 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.02 min
 Lab File: BG039590.D
 Acq: 25 Feb 2019 17:14

Instrument :
 BNA_G
 ClientSampleId :
 SU-02-022219-B

Tgt Ion:330 Resp: 132241
 Ion Ratio Lower Upper
 330 100
 332 98.1 75.7 113.5
 141 38.9 35.6 53.4

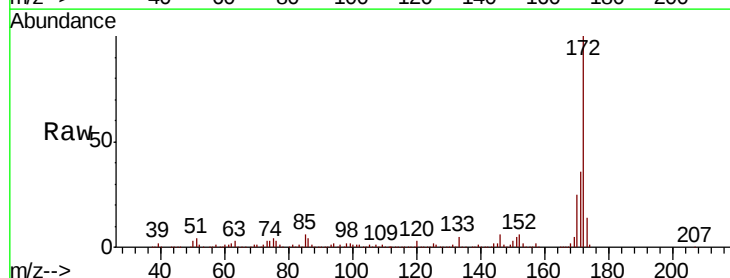


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

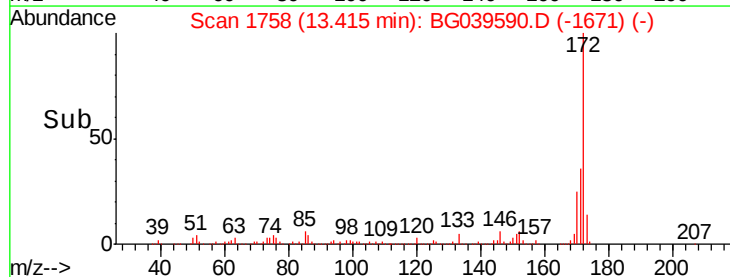
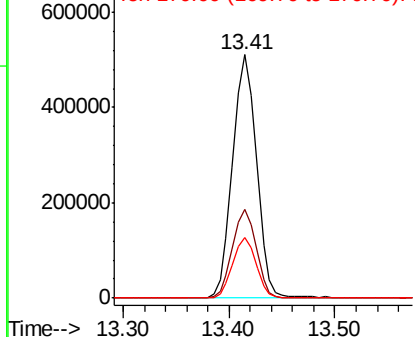


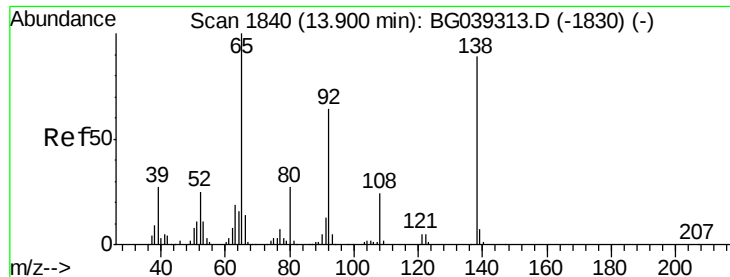
#45
 2-Fluorobiphenyl
 Concen: 71.192 ng
 RT: 13.41 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039590.D
 Acq: 25 Feb 2019 17:14

Tgt Ion:172 Resp: 800600
 Ion Ratio Lower Upper
 172 100
 171 36.5 30.8 46.2
 170 24.8 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

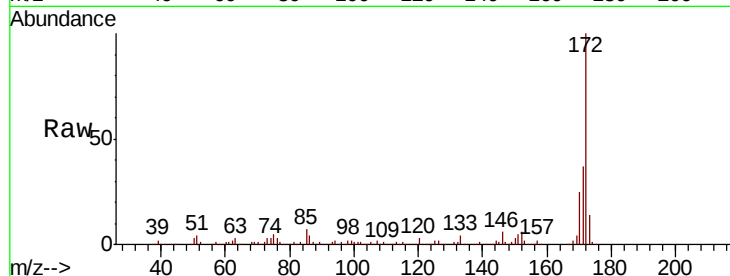




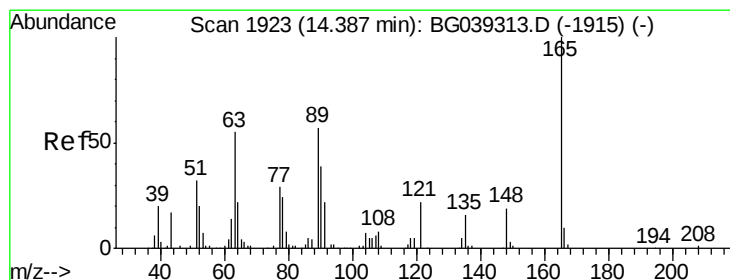
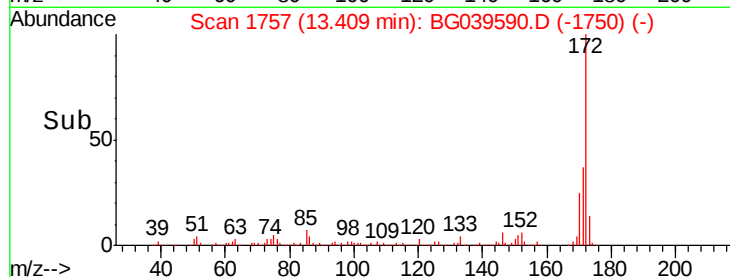
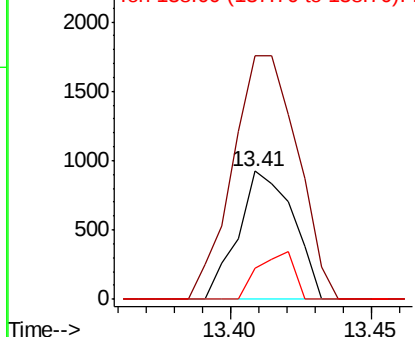
#48
2-Nitroaniline
Concen: 8.652 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.49 min
Lab File: BG039590.D
Acq: 25 Feb 2019 17:14

Instrument :
BNA_G
ClientSampleId :
SU-02-022219-B

Tgt Ion: 65 Resp: 1246
Ion Ratio Lower Upper
65 100
92 190.0 51.4 77.2#
138 23.9 71.4 107.2#

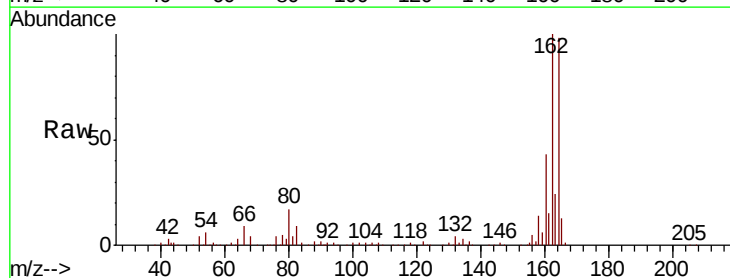


Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

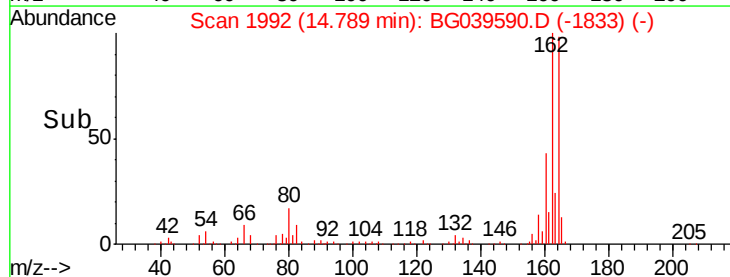
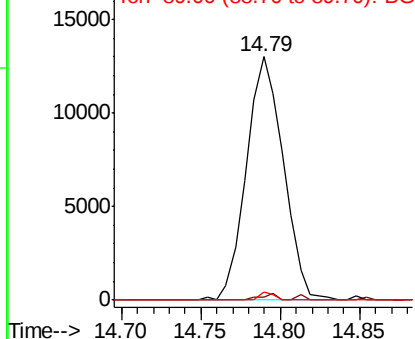


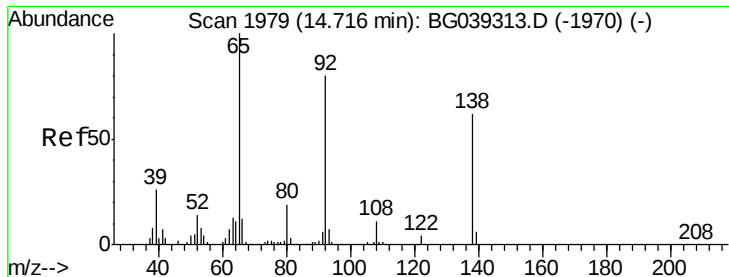
#51
2,6-Dinitrotoluene
Concen: 14.026 ng
RT: 14.79 min Scan# 1992
Delta R.T. 0.40 min
Lab File: BG039590.D
Acq: 25 Feb 2019 17:14

Tgt Ion: 165 Resp: 21060
Ion Ratio Lower Upper
165 100
63 1.2 47.0 70.6#
89 3.1 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

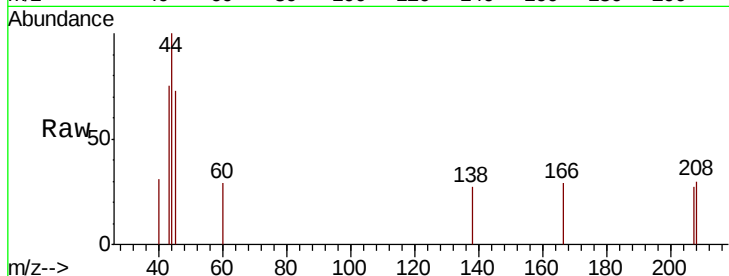




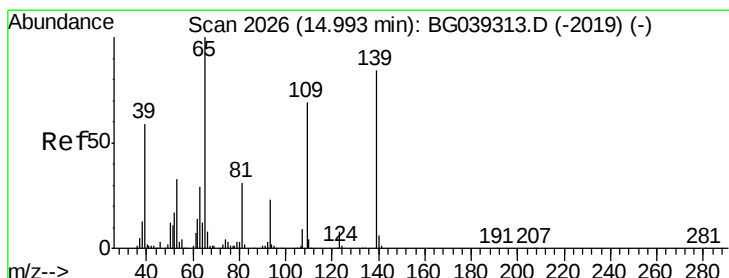
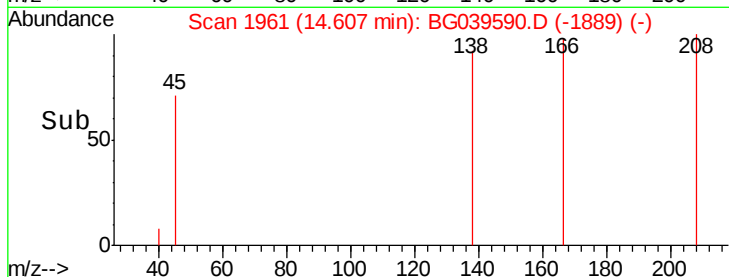
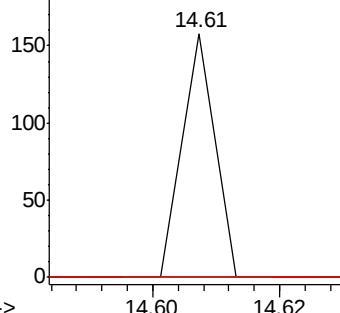
#53
3-Nitroaniline
Concen: 5.812 ng
RT: 14.61 min Scan# 1961
Delta R.T. -0.11 min
Lab File: BG039590.D
Acq: 25 Feb 2019 17:14

Instrument :
BNA_G
ClientSampleId :
SU-02-022219-B

Tgt Ion:138 Resp: 56
Ion Ratio Lower Upper
138 100
108 0.0 13.8 20.8#
92 0.0 103.7 155.5#

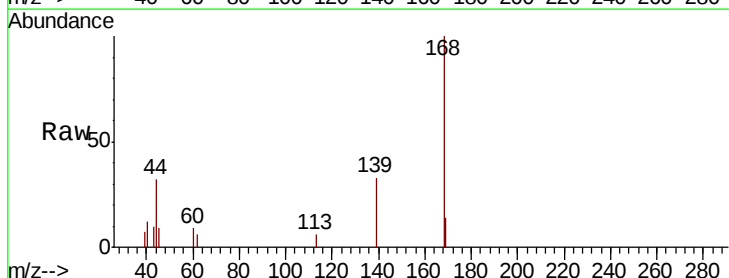


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BGC

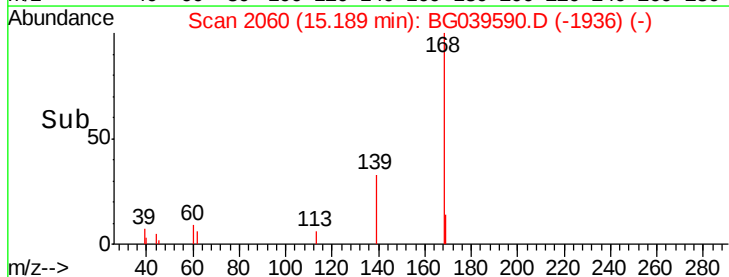
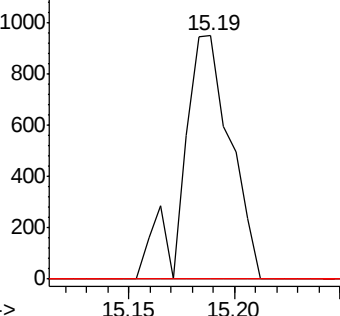


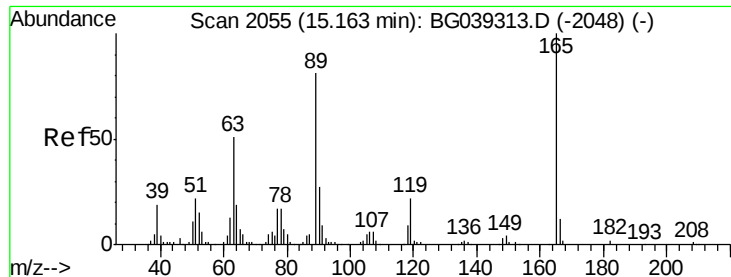
#56
4-Nitrophenol
Concen: 6.381 ng
RT: 15.19 min Scan# 2060
Delta R.T. 0.20 min
Lab File: BG039590.D
Acq: 25 Feb 2019 17:14

Tgt Ion:139 Resp: 1491
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: 13.476 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039590.D

Acq: 25 Feb 2019 17:14

Instrument :

BNA_G

ClientSampleId :

SU-02-022219-B

Tgt Ion:165 Resp: 21060

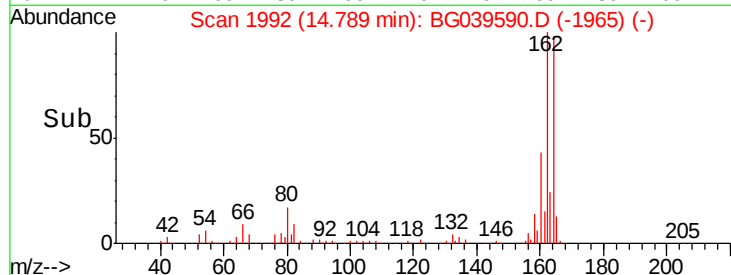
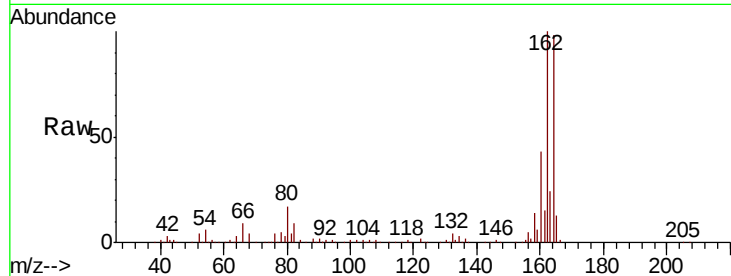
Ion Ratio Lower Upper

165 100

63 1.2 41.0 61.6#

89 3.1 64.6 96.8#

182 0.0 2.0 3.0#

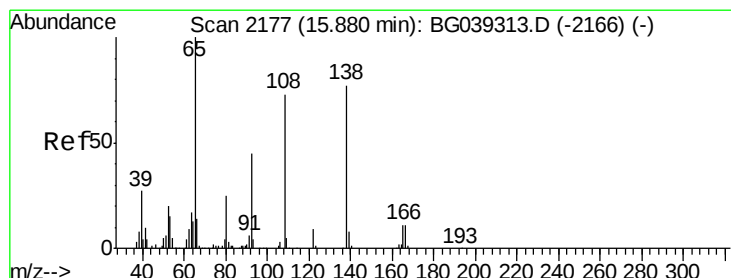
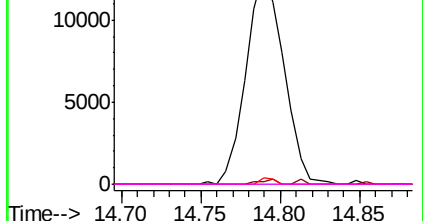


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E



#62

4-Nitroaniline

Concen: 4.222 ng

RT: 16.08 min Scan# 2212

Delta R.T. 0.20 min

Lab File: BG039590.D

Acq: 25 Feb 2019 17:14

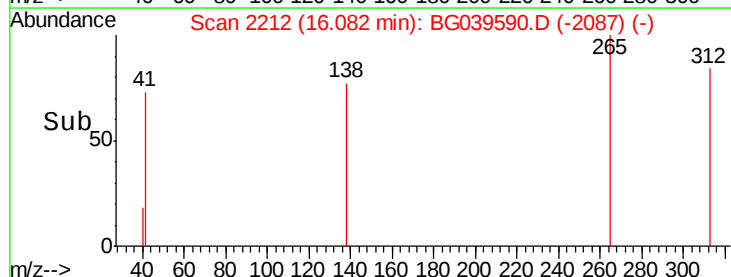
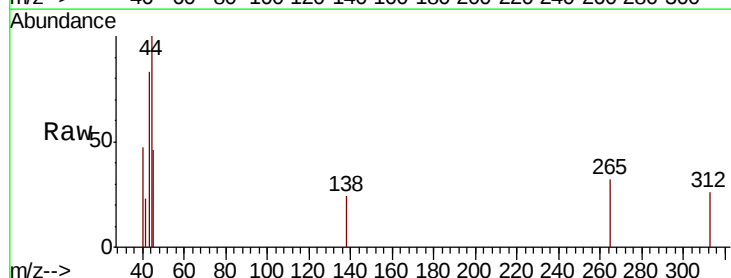
Tgt Ion:138 Resp: 57

Ion Ratio Lower Upper

138 100

92 0.0 38.7 78.7#

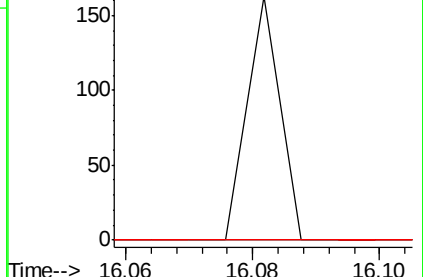
108 0.0 74.6 114.6#

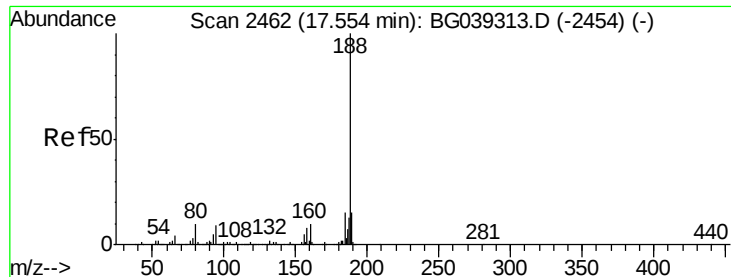


Abundance Ion 138.00 (137.70 to 138.70): E

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: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039590.D

Acq: 25 Feb 2019 17:14

Instrument :

BNA_G

ClientSampleId :

SU-02-022219-B

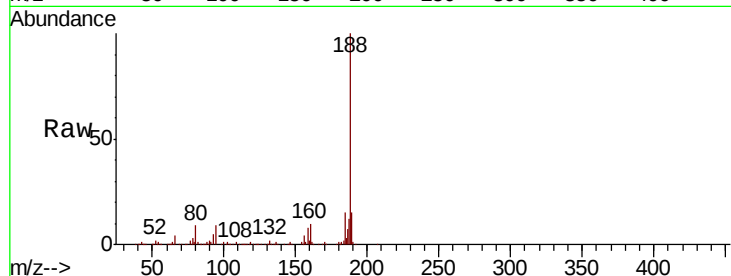
Tgt Ion:188 Resp: 386822

Ion Ratio Lower Upper

188 100

94 8.5 6.9 10.3

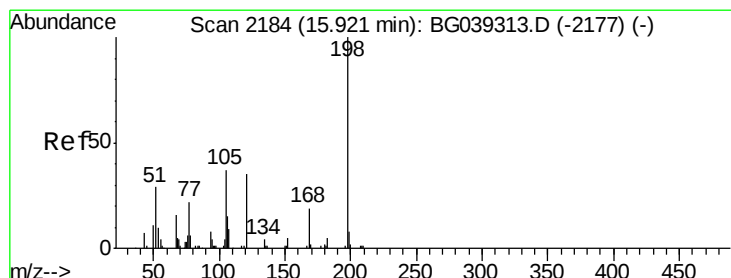
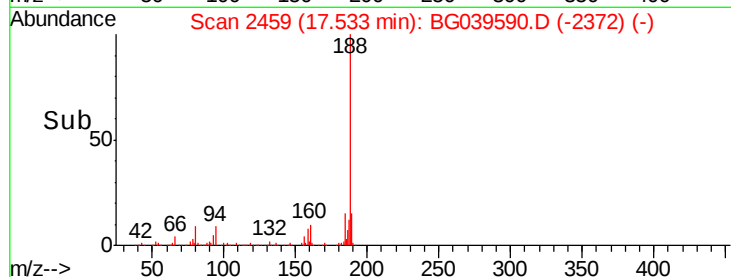
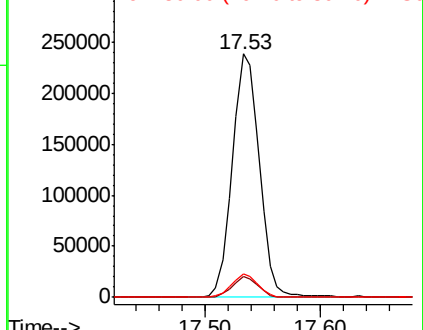
80 9.5 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#65

4,6-Dinitro-2-methylphenol

Concen: 4.467 ng

RT: 16.28 min Scan# 2246

Delta R.T. 0.36 min

Lab File: BG039590.D

Acq: 25 Feb 2019 17:14

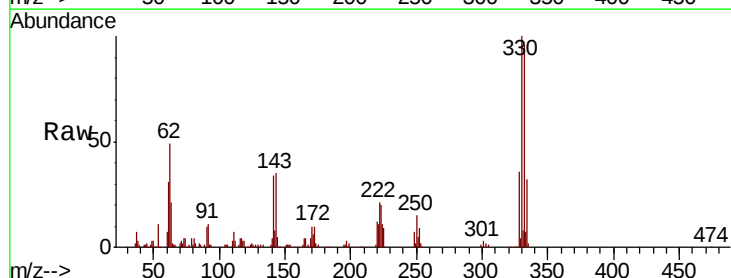
Tgt Ion:198 Resp: 355

Ion Ratio Lower Upper

198 100

51 89.1 27.4 67.4#

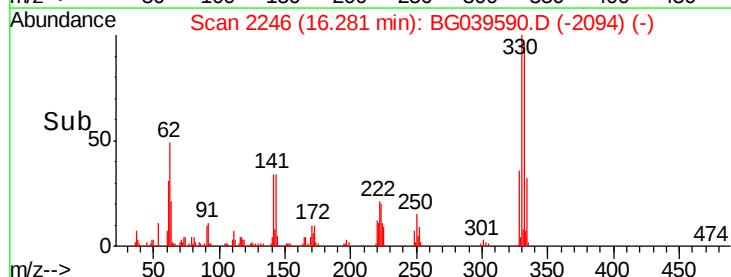
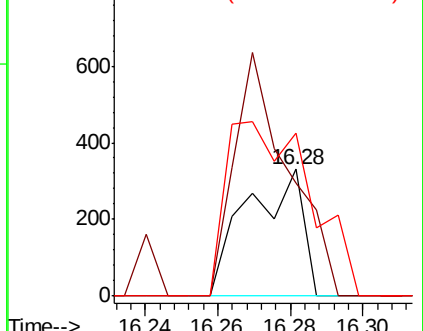
105 128.8 19.7 59.7#

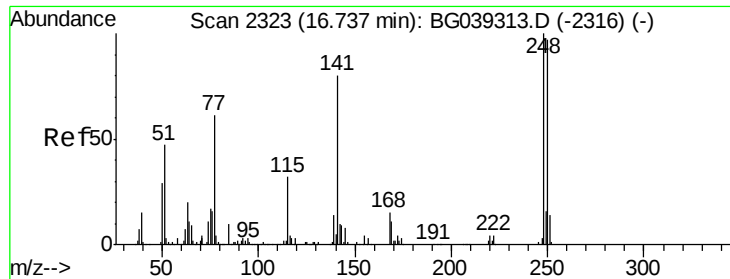


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E

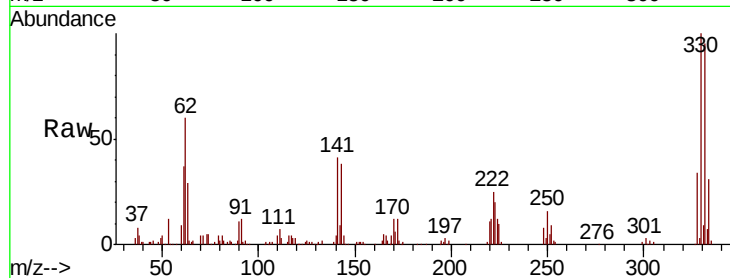




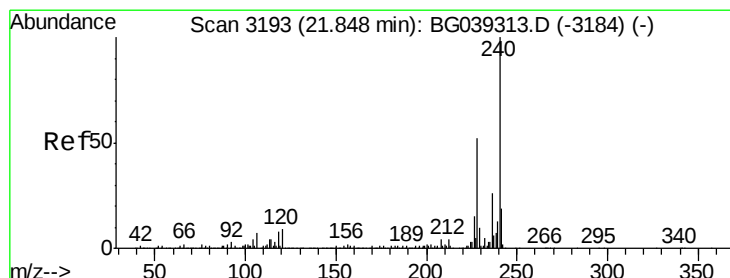
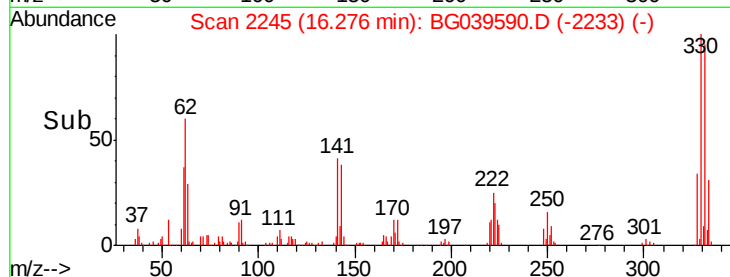
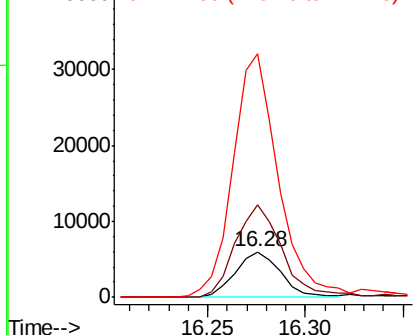
#67
4-Bromophenyl-phenylether
Concen: 2.255 ng
RT: 16.28 min Scan# 2245
Delta R.T. -0.46 min
Lab File: BG039590.D
Acq: 25 Feb 2019 17:14

Instrument :
BNA_G
ClientSampleId :
SU-02-022219-B

Tgt Ion:248 Resp: 9678
Ion Ratio Lower Upper
248 100
250 202.6 77.6 116.4#
141 531.8 63.9 95.9#

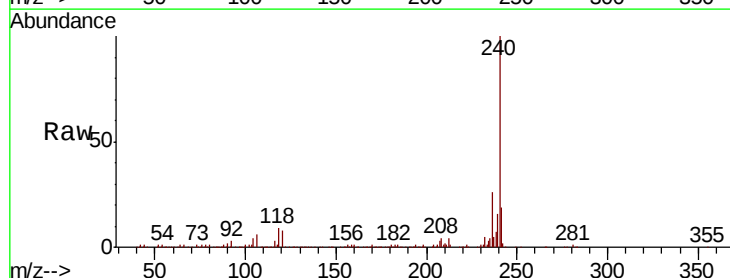


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

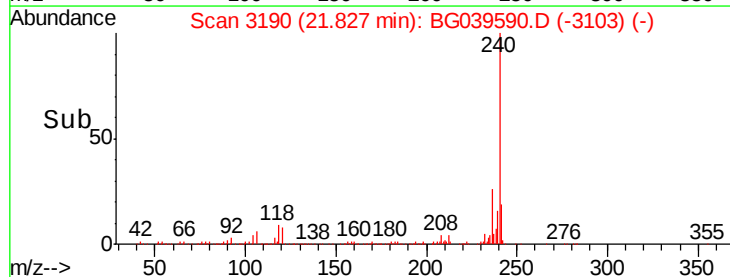
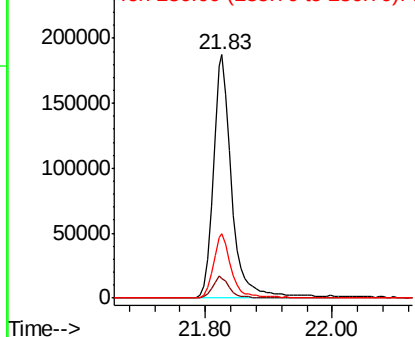


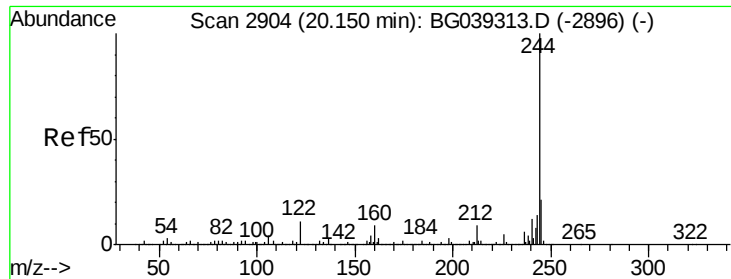
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039590.D
Acq: 25 Feb 2019 17:14

Tgt Ion:240 Resp: 387183
Ion Ratio Lower Upper
240 100
120 8.3 7.0 10.6
236 26.4 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: 70.640 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039590.D

Acq: 25 Feb 2019 17:14

Instrument :

BNA_G

ClientSampleId :

SU-02-022219-B

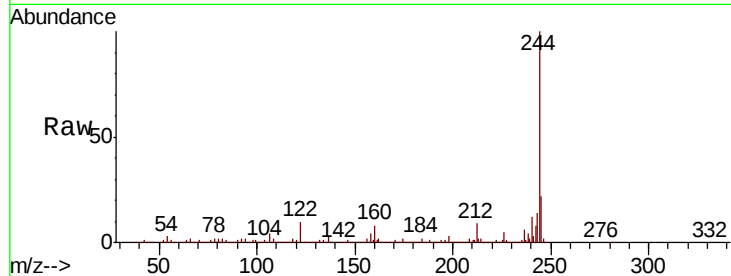
Tgt Ion:244 Resp: 1292139

Ion Ratio Lower Upper

244 100

212 8.8 7.3 10.9

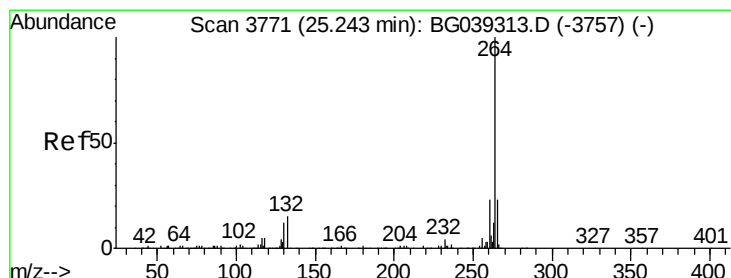
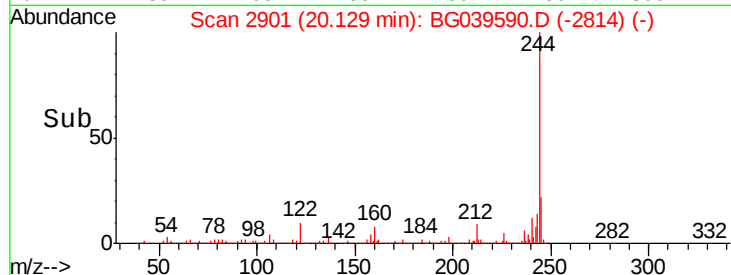
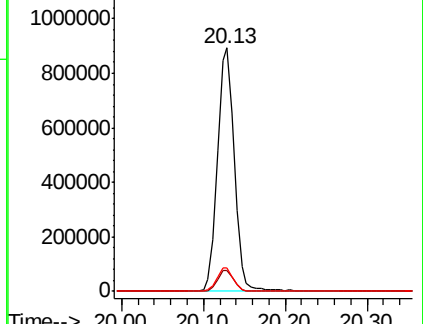
122 9.5 8.4 12.6



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# 3766

Delta R.T. -0.03 min

Lab File: BG039590.D

Acq: 25 Feb 2019 17:14

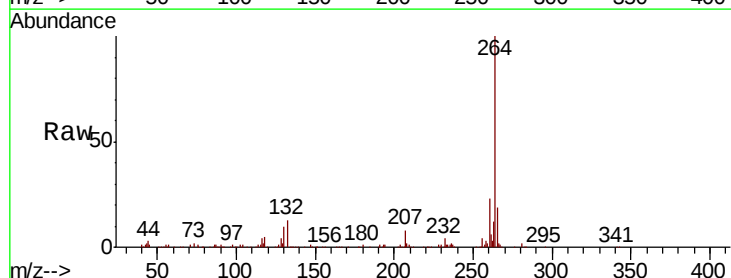
Tgt Ion:264 Resp: 297697

Ion Ratio Lower Upper

264 100

260 23.2 18.2 27.4

265 18.8 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

