

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022719\
 Data File : BG039642.D
 Acq On : 27 Feb 2019 19:56
 Operator : JU/SJ
 Sample : K1348-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-02-022519

Quant Time: Feb 27 23:59:04 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

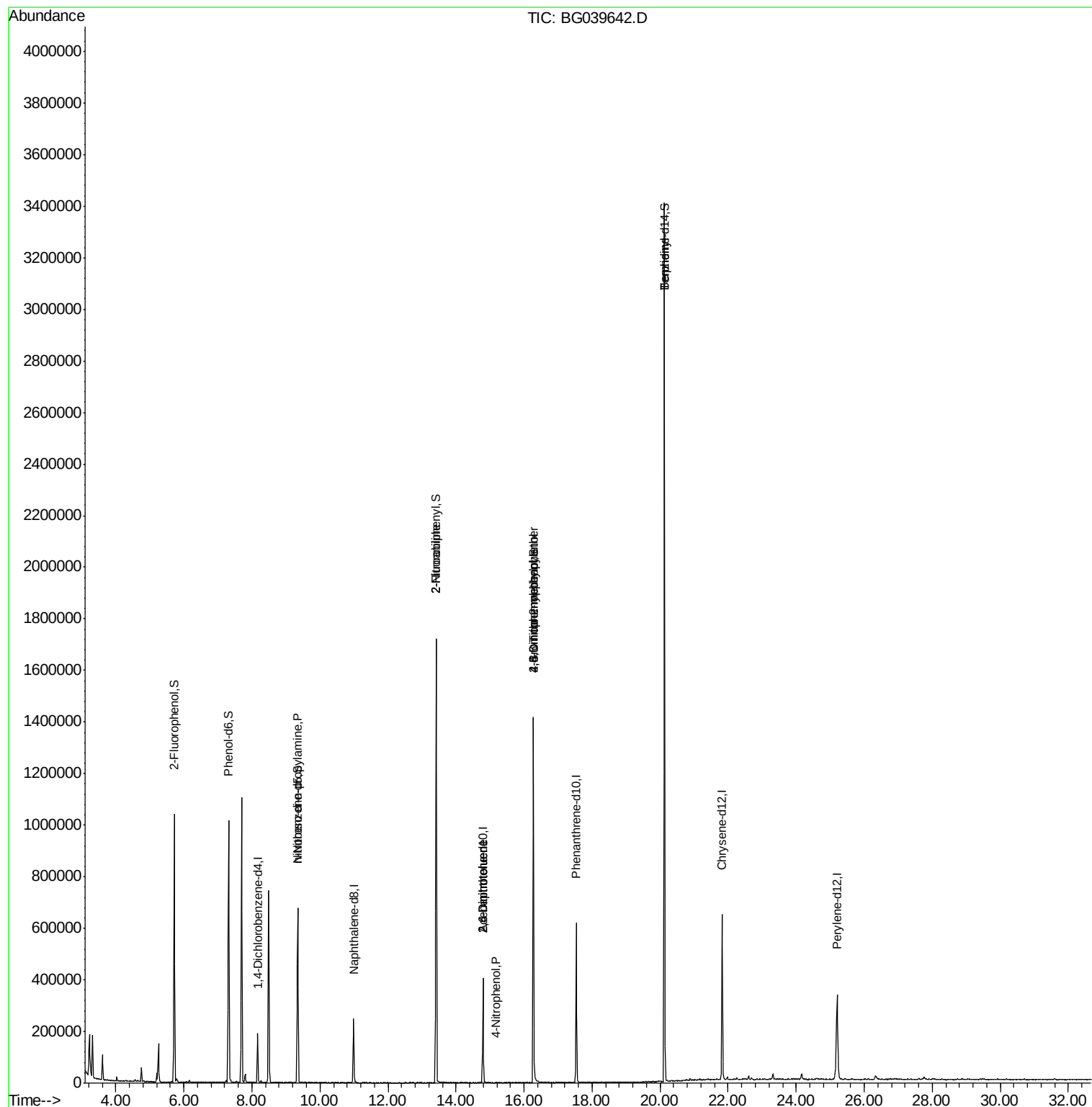
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	52972	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	216030	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	146903	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	375224	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	394450	20.00	ng	-0.03
87) Perylene-d12	25.20	264	391662	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	437022	141.20	ng	0.00
7) Phenol-d6	7.31	99	573791	125.95	ng	0.00
23) Nitrobenzene-d5	9.35	82	403575	116.71	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	256755	162.31	ng	-0.01
45) 2-Fluorobiphenyl	13.41	172	943339	92.12	ng	-0.03
79) Terphenyl-d14	20.13	244	1651884	88.64	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.32	77	1171	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.35	70	53255	16.470 ng	#	19
48) 2-Nitroaniline	13.40	65	1675	8.821 ng	#	1
51) 2,6-Dinitrotoluene	14.79	165	18829	13.890 ng	#	23
56) 4-Nitrophenol	15.18	139	88	5.832 ng	#	1
57) 2,4-Dinitrotoluene	14.79	165	18829	13.374 ng	#	18
65) 4,6-Dinitro-2-methylphenol	16.28	198	854	4.905 ng	#	1
67) 4-Bromophenyl-phenylether	16.28	248	20153	4.841 ng	#	1
77) Benzidine	20.13	184	28886	2.234 ng		95

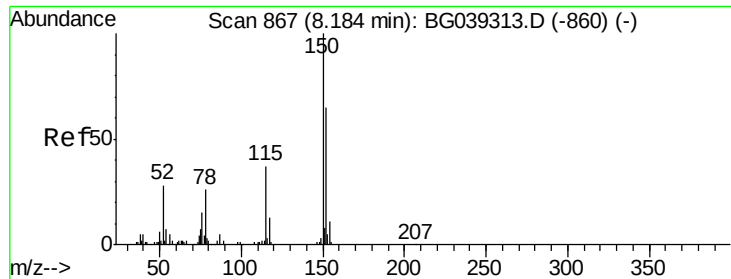
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.16 min Scan# 864

Delta R.T. -0.02 min

Lab File: BG039642.D

Acq: 27 Feb 2019 19:56

Instrument :

BNA_G

ClientSampleId :

OK-02-022519

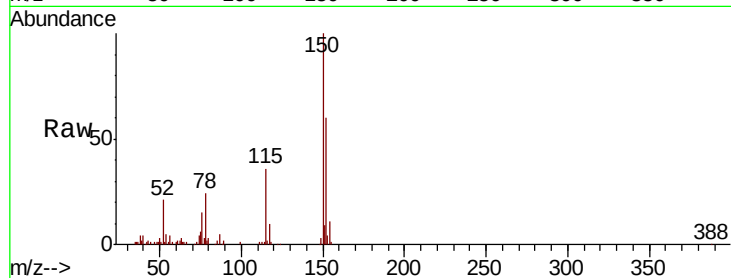
Tgt Ion:152 Resp: 52972

Ion Ratio Lower Upper

152 100

150 167.1 123.7 185.5

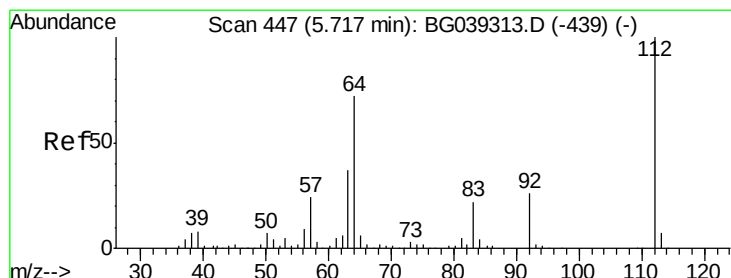
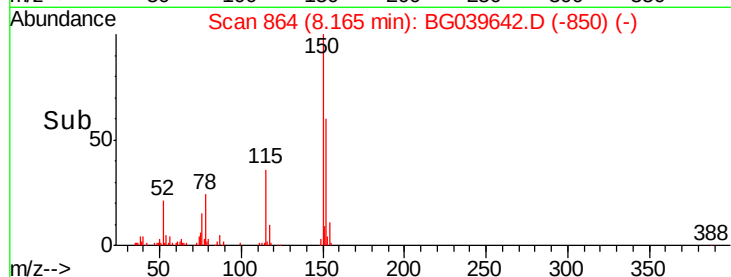
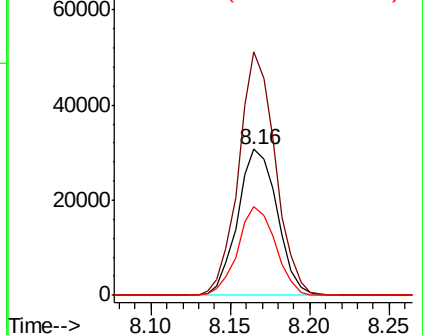
115 60.6 45.9 68.9



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: 141.200 ng

RT: 5.72 min Scan# 447

Delta R.T. -0.00 min

Lab File: BG039642.D

Acq: 27 Feb 2019 19:56

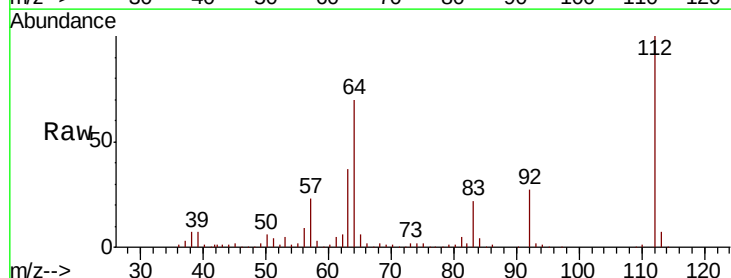
Tgt Ion:112 Resp: 437022

Ion Ratio Lower Upper

112 100

64 70.1 57.8 86.8

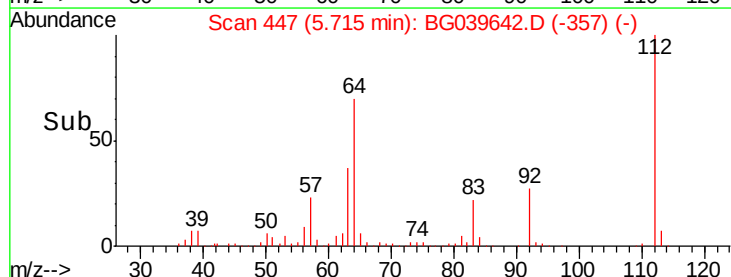
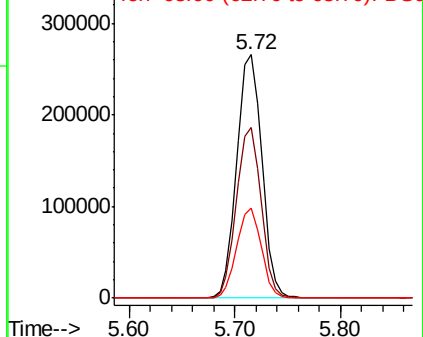
63 36.9 29.8 44.6

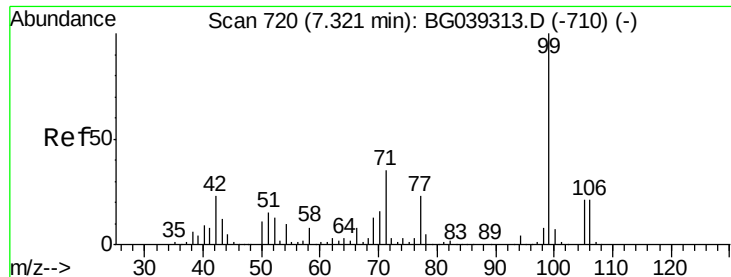


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 125.947 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039642.D

Acq: 27 Feb 2019 19:56

Instrument :

BNA_G

ClientSampleId :

OK-02-022519

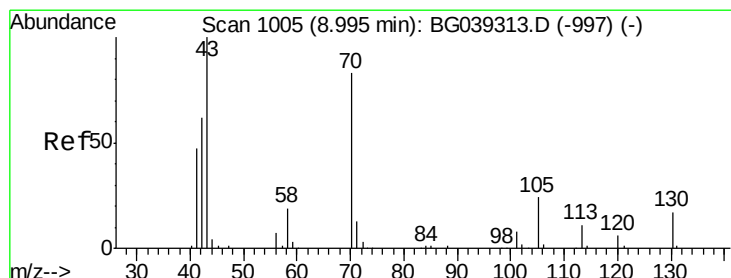
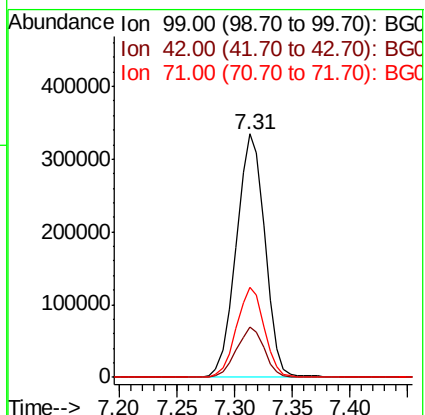
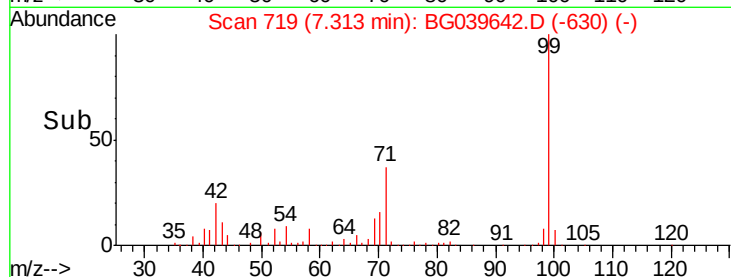
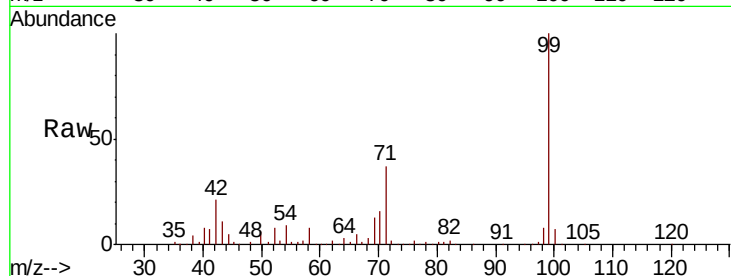
Tgt Ion: 99 Resp: 573791

Ion Ratio Lower Upper

99 100

42 20.5 18.2 27.2

71 36.8 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.470 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039642.D

Acq: 27 Feb 2019 19:56

Tgt Ion: 70 Resp: 53255

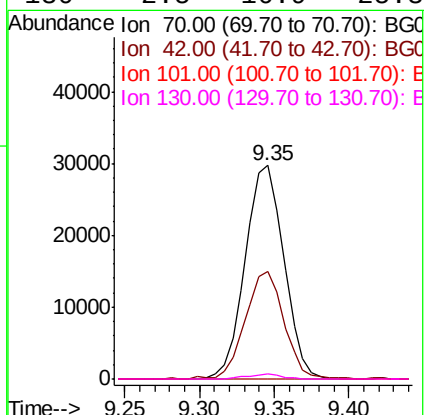
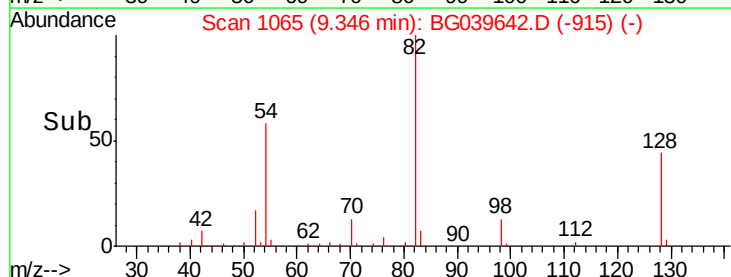
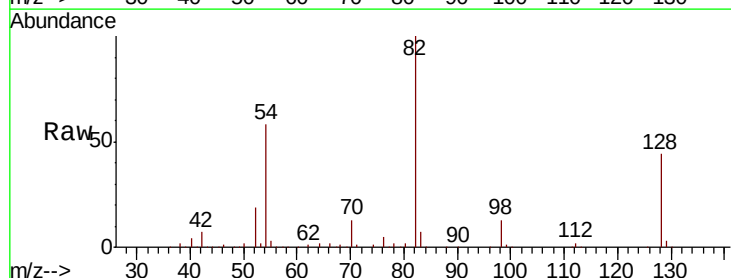
Ion Ratio Lower Upper

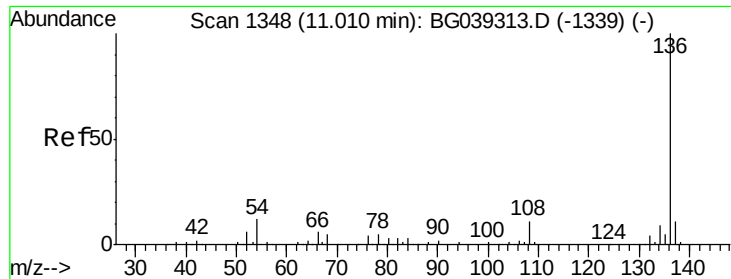
70 100

42 50.3 60.4 90.6#

101 0.0 7.5 11.3#

130 2.5 16.9 25.3#

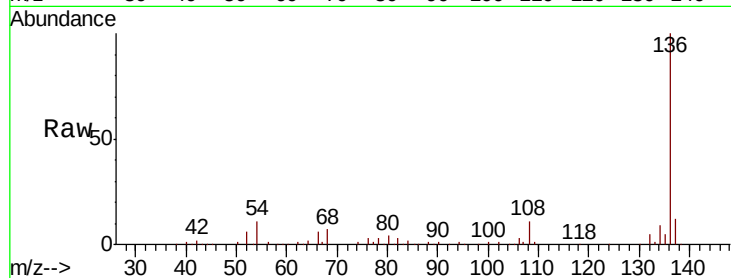




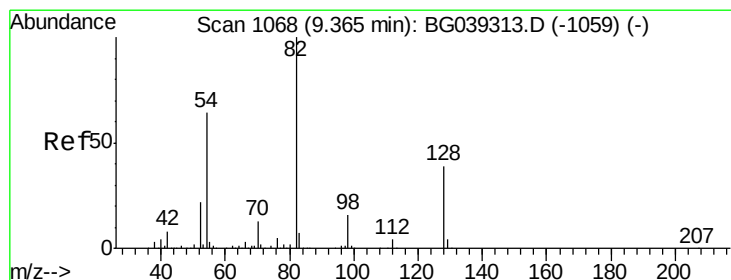
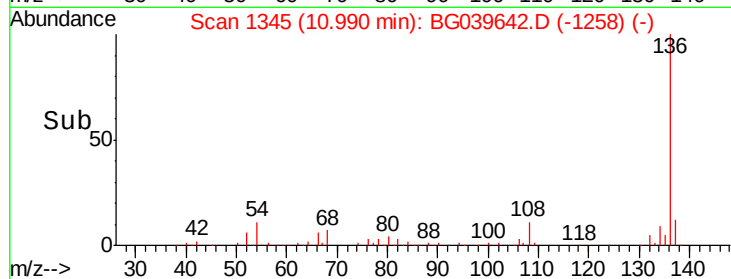
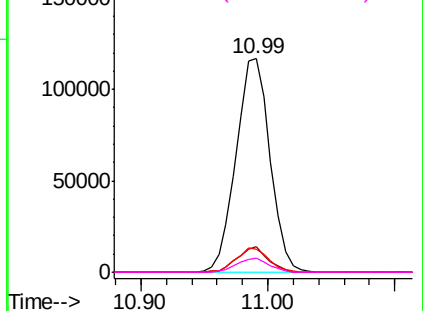
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039642.D
Acq: 27 Feb 2019 19:56

Instrument :
BNA_G
ClientSampleId :
OK-02-022519

Tgt Ion:	136	Resp:	216030
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.1	13.7
54	10.9	9.4	14.2
68	6.7	4.2	6.4#

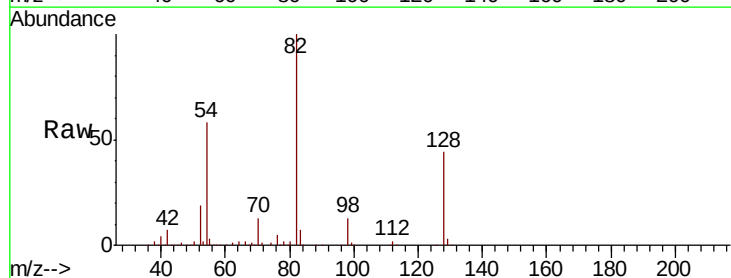


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

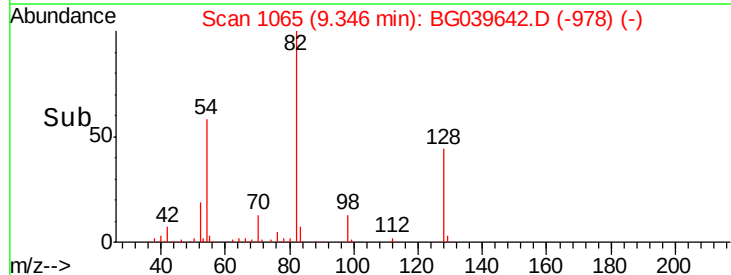
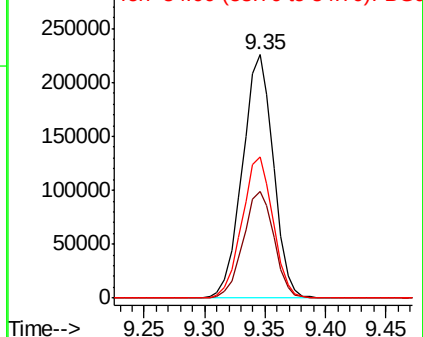


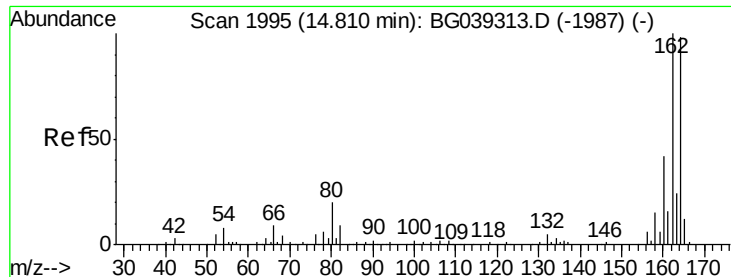
#23
Nitrobenzene-d5
Concen: 116.706 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039642.D
Acq: 27 Feb 2019 19:56

Tgt Ion:	82	Resp:	403575
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): E
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: BG039642.D

Acq: 27 Feb 2019 19:56

Instrument :

BNA_G

ClientSampleId :

OK-02-022519

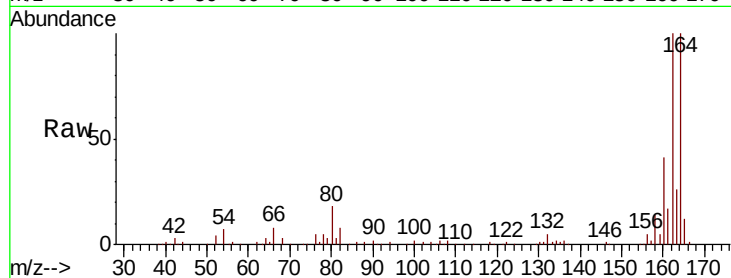
Tgt Ion:164 Resp: 146903

Ion Ratio Lower Upper

164 100

162 100.3 81.6 122.4

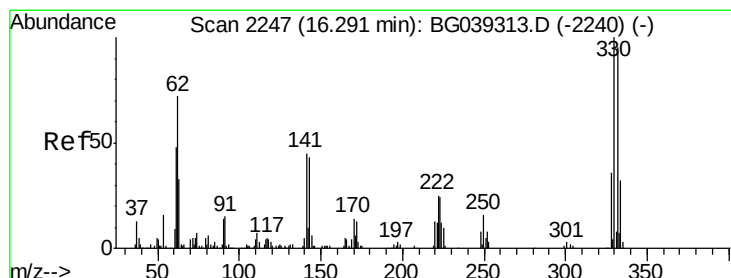
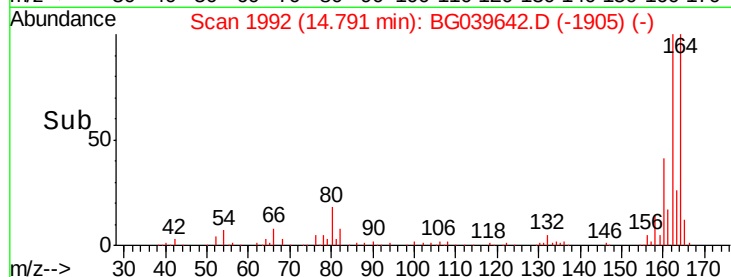
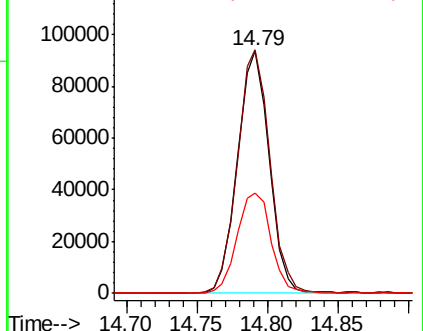
160 41.3 34.2 51.2



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: 162.309 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039642.D

Acq: 27 Feb 2019 19:56

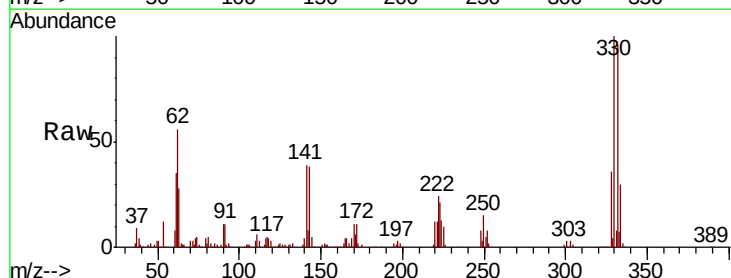
Tgt Ion:330 Resp: 256755

Ion Ratio Lower Upper

330 100

332 97.0 75.7 113.5

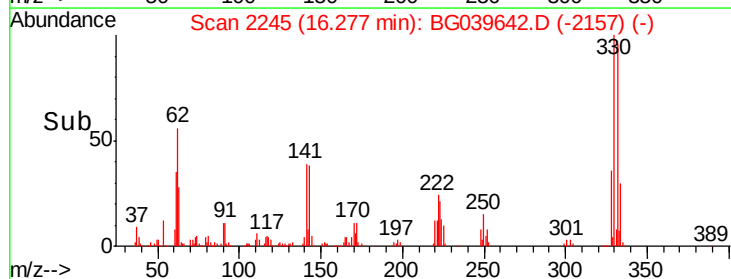
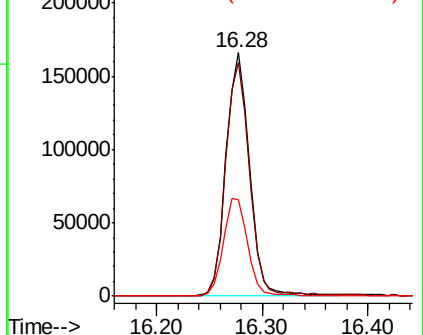
141 41.8 35.6 53.4

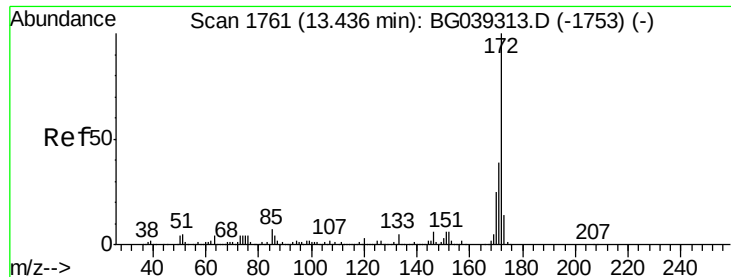


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

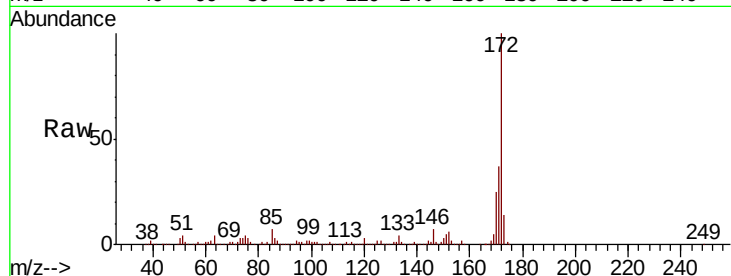




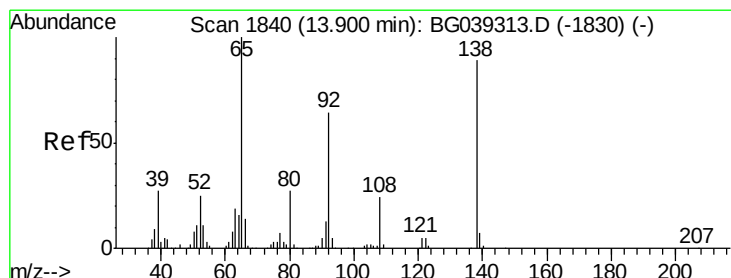
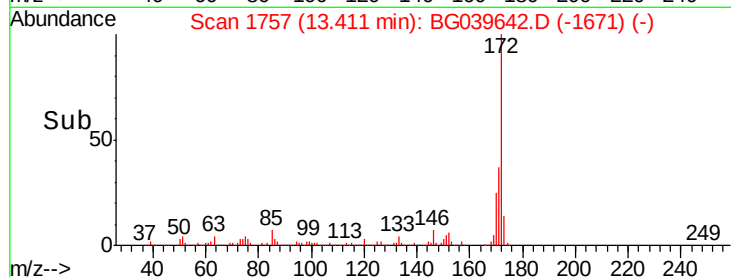
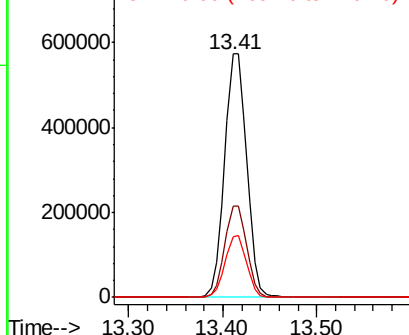
#45
 2-Fluorobiphenyl
 Concen: 92.120 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.03 min
 Lab File: BG039642.D
 Acq: 27 Feb 2019 19:56

Instrument :
 BNA_G
 ClientSampleId :
 OK-02-022519

Tgt Ion: 172 Resp: 943339
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.8 46.2
 170 24.7 20.2 30.4

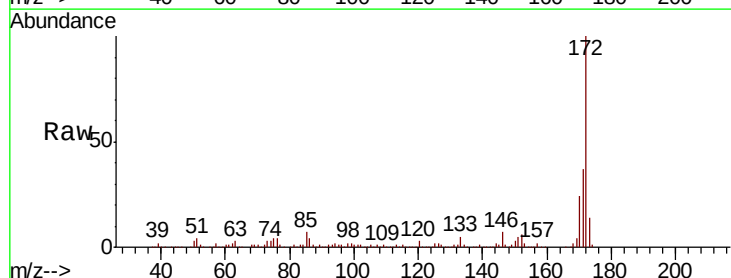


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

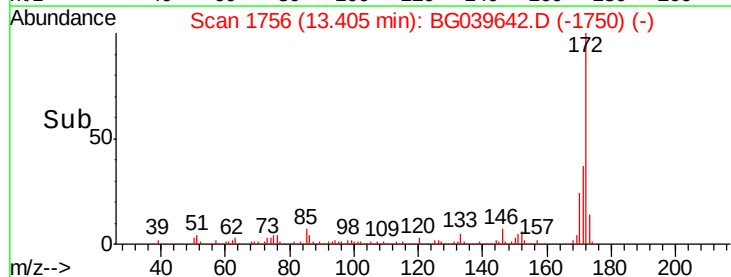
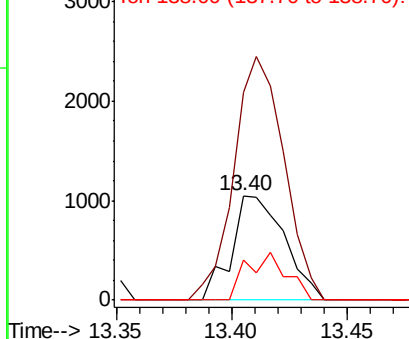


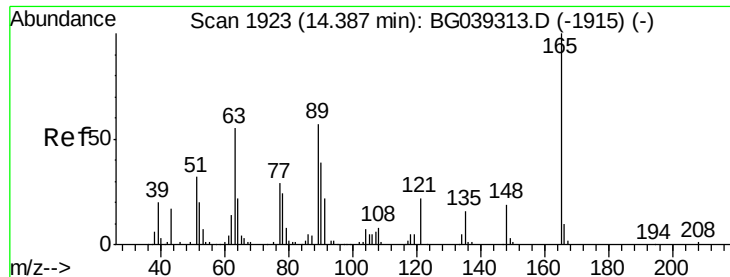
#48
 2-Nitroaniline
 Concen: 8.821 ng
 RT: 13.40 min Scan# 1756
 Delta R.T. -0.49 min
 Lab File: BG039642.D
 Acq: 27 Feb 2019 19:56

Tgt Ion: 65 Resp: 1675
 Ion Ratio Lower Upper
 65 100
 92 199.2 51.4 77.2#
 138 38.6 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

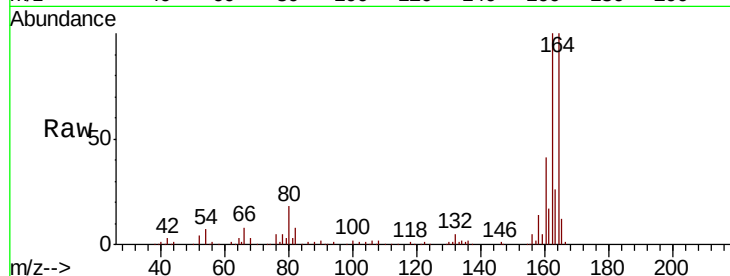




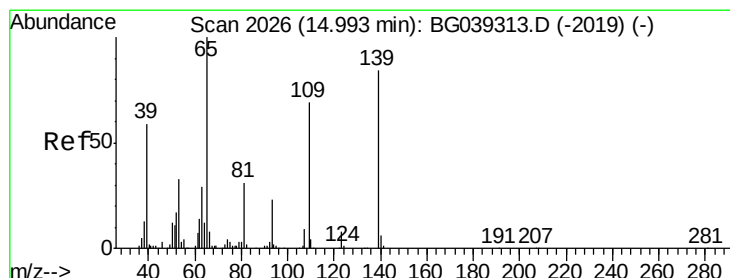
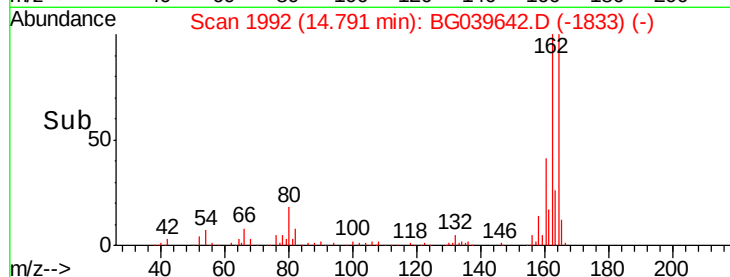
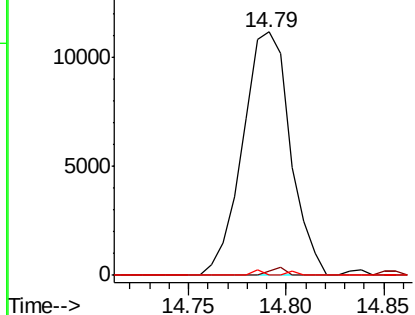
#51
 2,6-Dinitrotoluene
 Concen: 13.890 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. 0.40 min
 Lab File: BG039642.D
 Acq: 27 Feb 2019 19:56

Instrument :
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 OK-02-022519

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	47.0	70.6#
89	0.0	45.8	68.8#

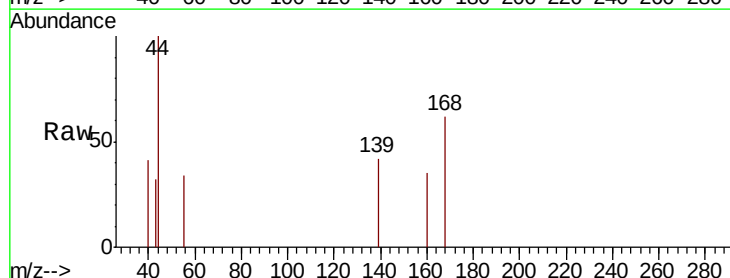


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

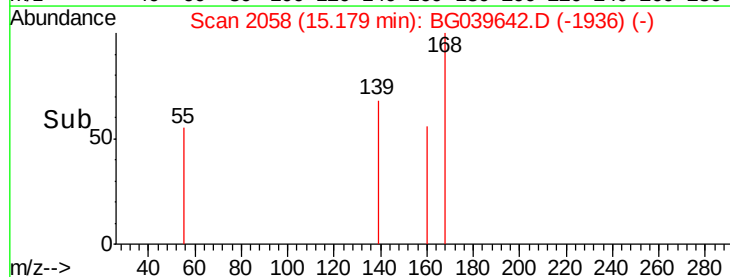
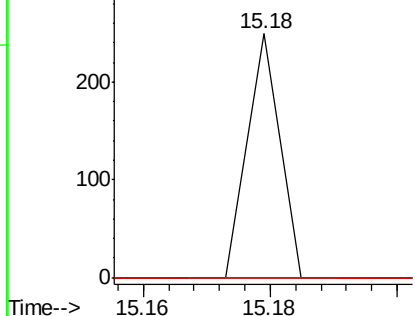


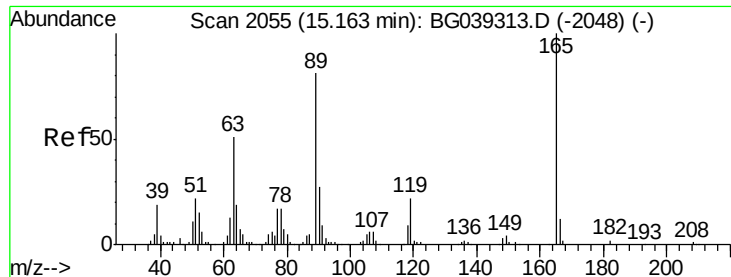
#56
 4-Nitrophenol
 Concen: 5.832 ng
 RT: 15.18 min Scan# 2058
 Delta R.T. 0.19 min
 Lab File: BG039642.D
 Acq: 27 Feb 2019 19:56

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





#57

2,4-Dinitrotoluene

Concen: 13.374 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039642.D

Acq: 27 Feb 2019 19:56

Instrument :

BNA_G

ClientSampleId :

OK-02-022519

Tgt Ion:165 Resp: 18829

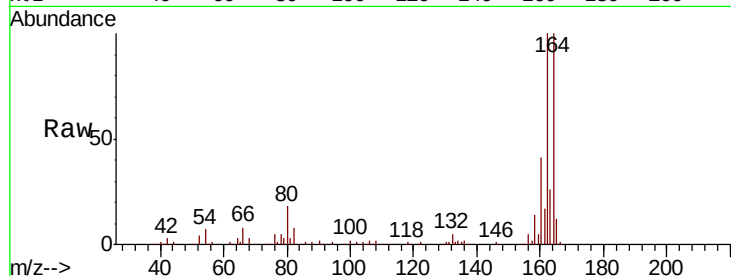
Ion Ratio Lower Upper

165 100

63 1.9 41.0 61.6#

89 0.0 64.6 96.8#

182 0.0 2.0 3.0#

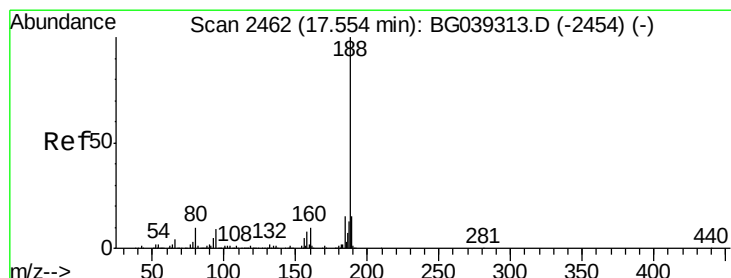
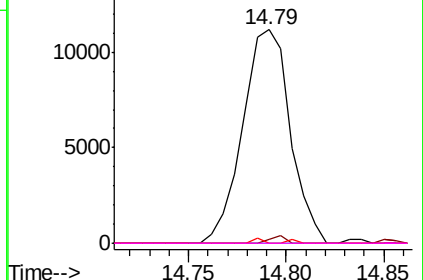
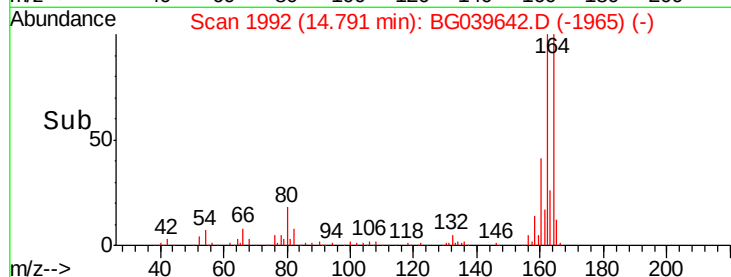


Abundance Ion 165.00 (164.70 to 165.70): E

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039642.D

Acq: 27 Feb 2019 19:56

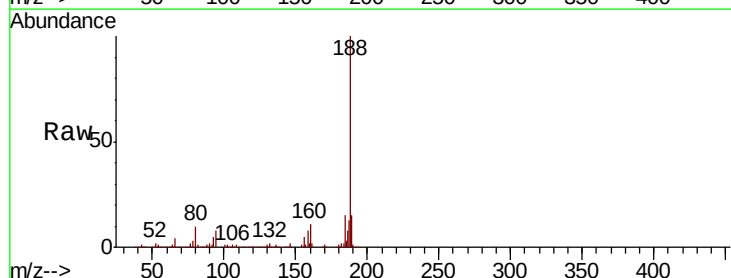
Tgt Ion:188 Resp: 375224

Ion Ratio Lower Upper

188 100

94 7.7 6.9 10.3

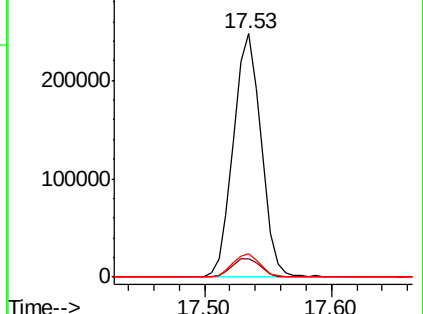
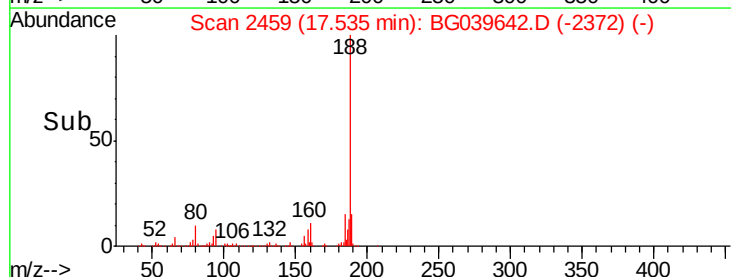
80 9.8 8.1 12.1

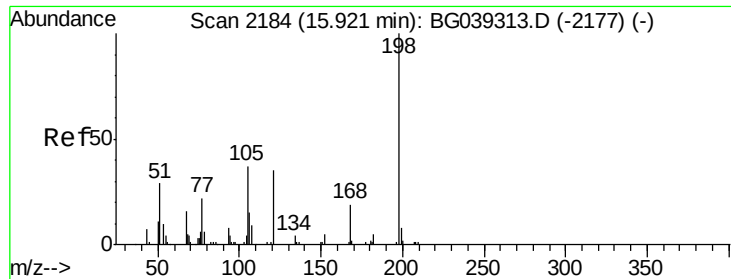


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

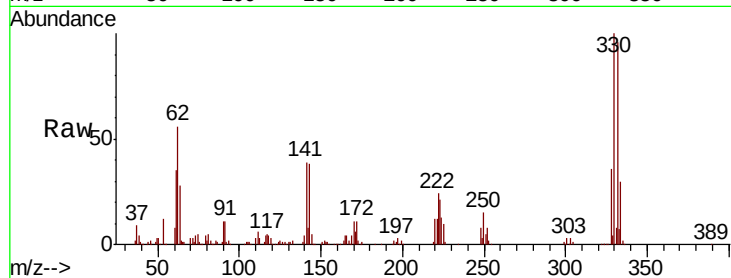




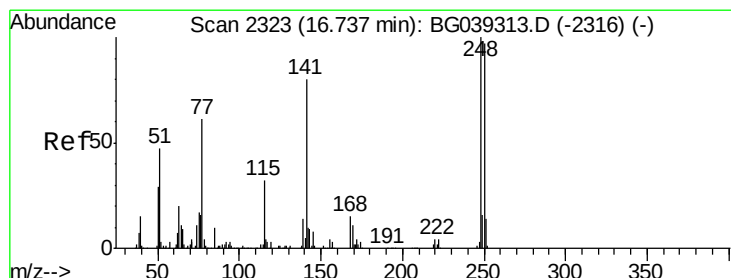
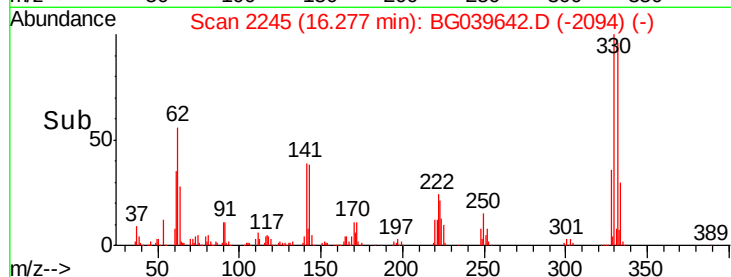
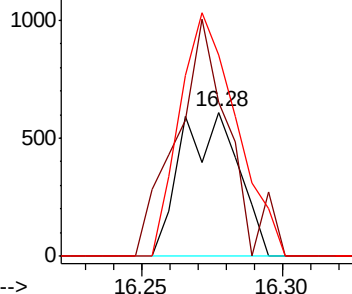
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.905 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. 0.36 min
 Lab File: BG039642.D
 Acq: 27 Feb 2019 19:56

Instrument :
 BNA_G
 ClientSampleId :
 OK-02-022519

Tgt Ion:198 Resp: 854
 Ion Ratio Lower Upper
 198 100
 51 107.2 27.4 67.4#
 105 139.7 19.7 59.7#

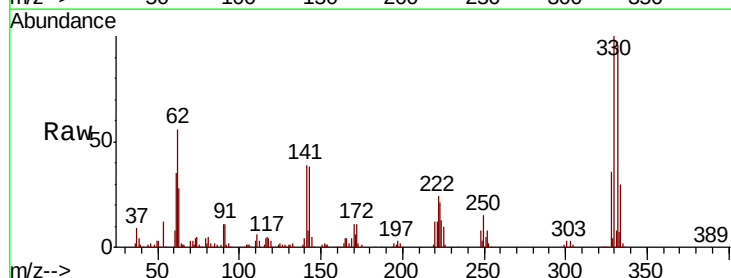


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

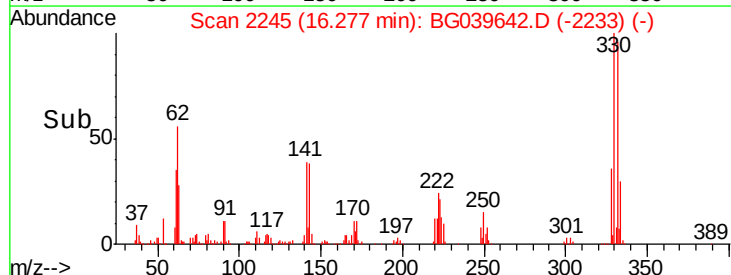
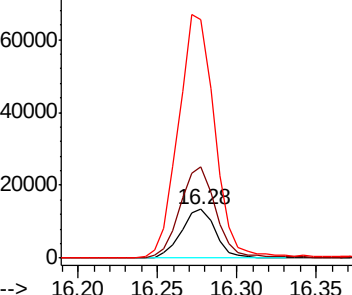


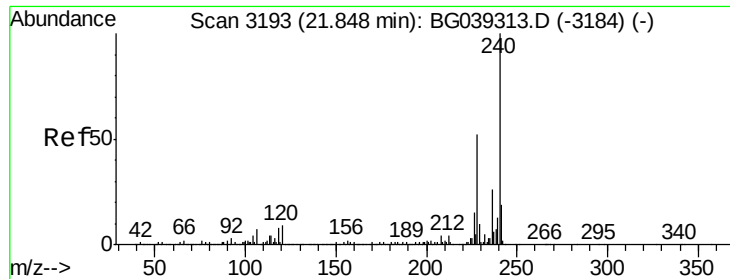
#67
 4-Bromophenyl-phenylether
 Concen: 4.841 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039642.D
 Acq: 27 Feb 2019 19:56

Tgt Ion:248 Resp: 20153
 Ion Ratio Lower Upper
 248 100
 250 188.0 77.6 116.4#
 141 490.1 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: BG039642.D

Acq: 27 Feb 2019 19:56

Instrument :

BNA_G

ClientSampleId :

OK-02-022519

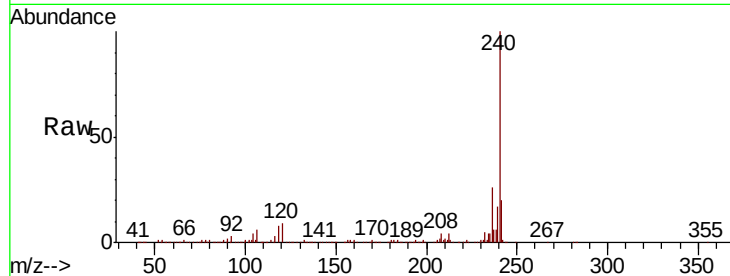
Tgt Ion:240 Resp: 394450

Ion Ratio Lower Upper

240 100

120 8.5 7.0 10.6

236 25.8 21.0 31.4

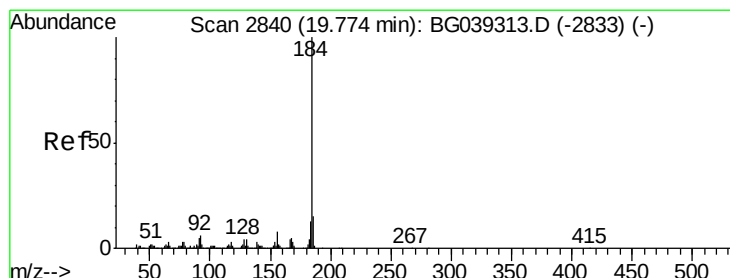
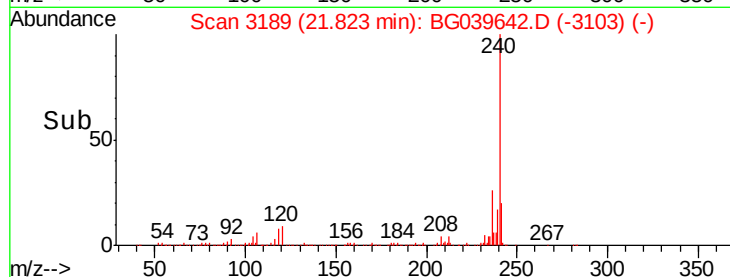
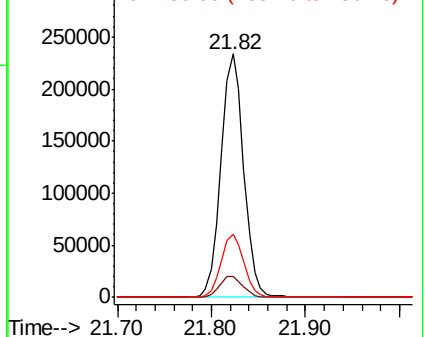


Abundance

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: 2.234 ng

RT: 20.13 min Scan# 2901

Delta R.T. 0.36 min

Lab File: BG039642.D

Acq: 27 Feb 2019 19:56

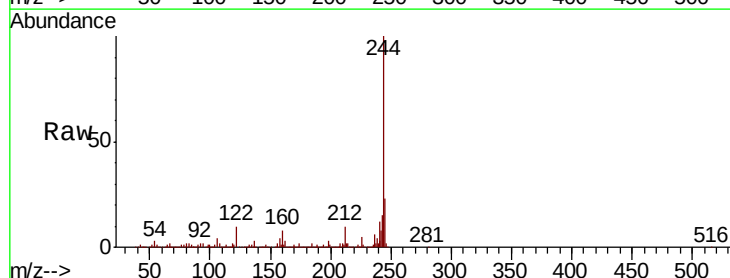
Tgt Ion:184 Resp: 28886

Ion Ratio Lower Upper

184 100

185 17.3 12.2 18.2

183 10.9 10.6 15.8

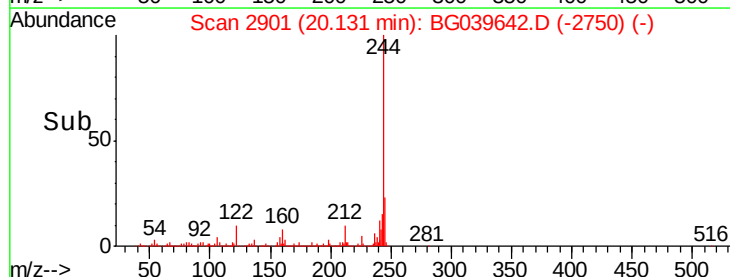
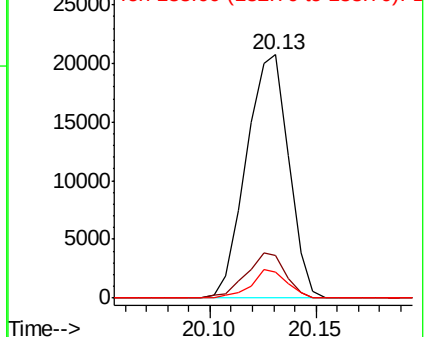


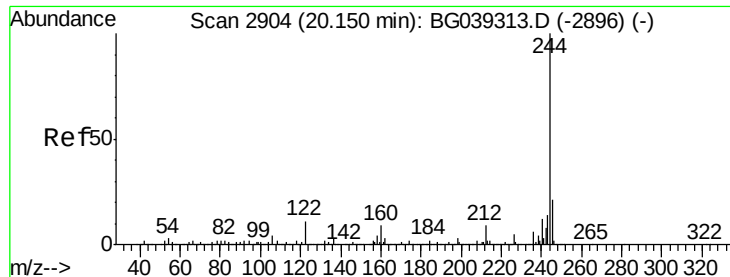
Abundance

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: 88.643 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.03 min

Lab File: BG039642.D

Acq: 27 Feb 2019 19:56

Instrument :

BNA_G

ClientSampleId :

OK-02-022519

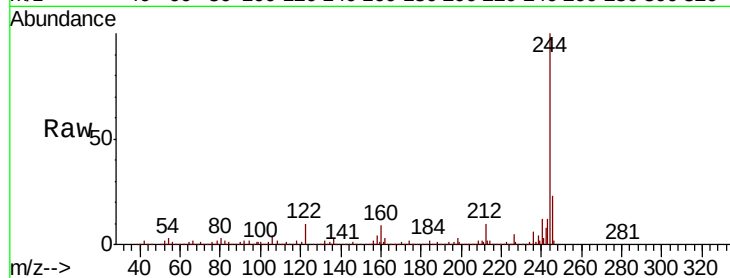
Tgt Ion:244 Resp: 1651884

Ion Ratio Lower Upper

244 100

212 9.6 7.3 10.9

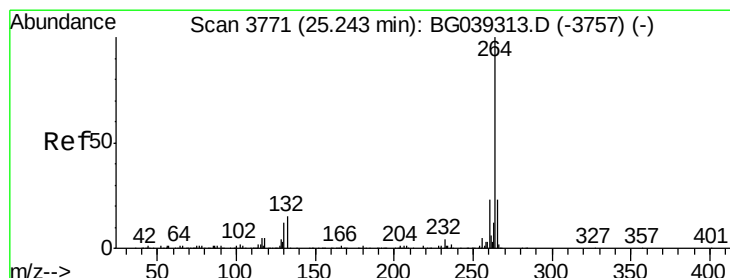
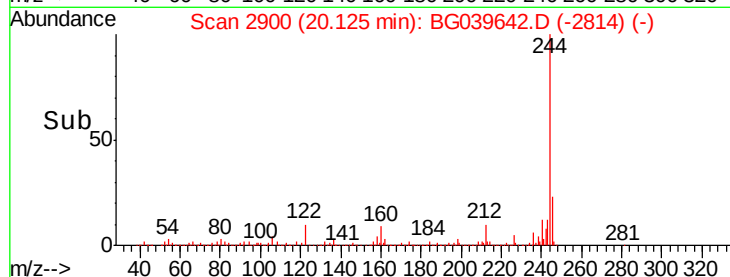
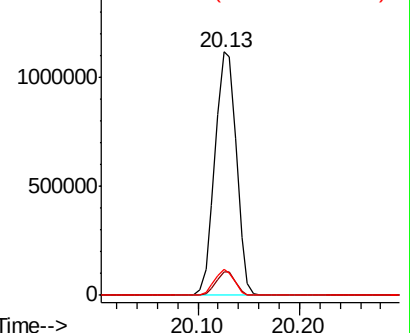
122 10.5 8.4 12.6



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: 25.20 min Scan# 3764

Delta R.T. -0.04 min

Lab File: BG039642.D

Acq: 27 Feb 2019 19:56

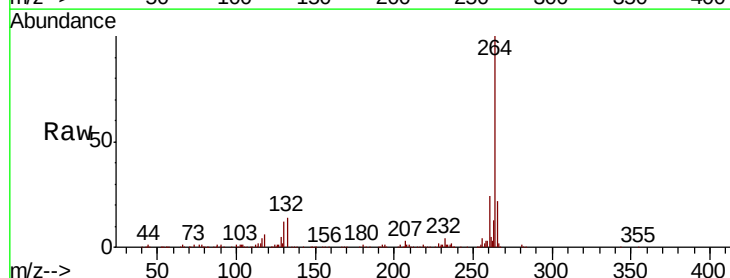
Tgt Ion:264 Resp: 391662

Ion Ratio Lower Upper

264 100

260 24.1 18.2 27.4

265 22.4 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

