

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021119\
 Data File : BG039441.D
 Acq On : 11 Feb 2019 19:30
 Operator : JU/SJ
 Sample : K1356-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-020819-A

Quant Time: Feb 12 00:16:49 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	49511	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	226356	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	156828	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	402671	20.00	ng	-0.02
76) Chrysene-d12	21.83	240	419331	20.00	ng	-0.02
87) Perylene-d12	25.21	264	421938	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	389217	134.55	ng	0.00
7) Phenol-d6	7.31	99	514417	120.81	ng	-0.01
23) Nitrobenzene-d5	9.35	82	369144	101.88	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	279856	165.72	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	928922	84.97	ng	-0.02
79) Terphenyl-d14	20.13	244	1602808	80.91	ng	-0.02

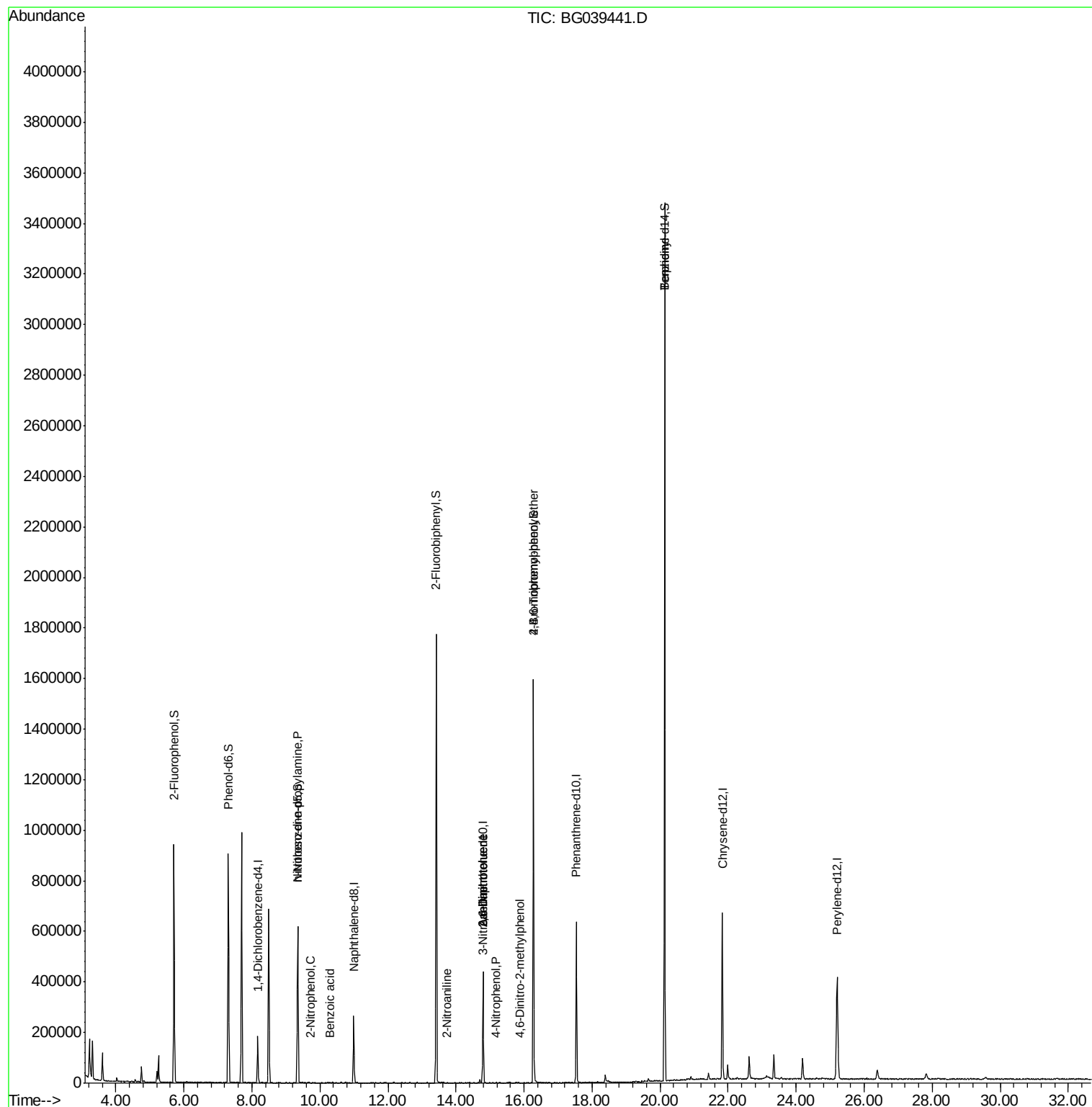
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1271	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.35	70	47133	15.595	ng	# 67
26) 2-Nitrophenol	9.73	139	60	4.051	ng	# 31
32) Benzoic acid	10.30	122	59	9.044	ng	# 1
48) 2-Nitroaniline	13.73	65	59	8.314	ng	# 10
51) 2,6-Dinitrotoluene	14.79	165	20025	13.862	ng	# 24
53) 3-Nitroaniline	14.78	138	57	5.812	ng	# 1
56) 4-Nitrophenol	15.18	139	128	5.846	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	20025	13.353	ng	# 19
65) 4,6-Dinitro-2-methylphenol	15.88	198	55	4.214	ng	# 32
67) 4-Bromophenyl-phenylether	16.28	248	21214	4.749	ng	# 1
77) Benzidine	20.13	184	28230	2.053	ng	# 93

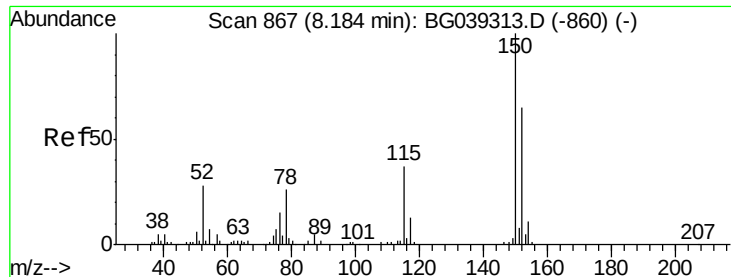
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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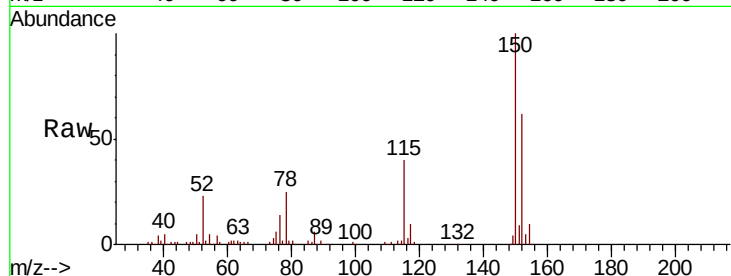


#1

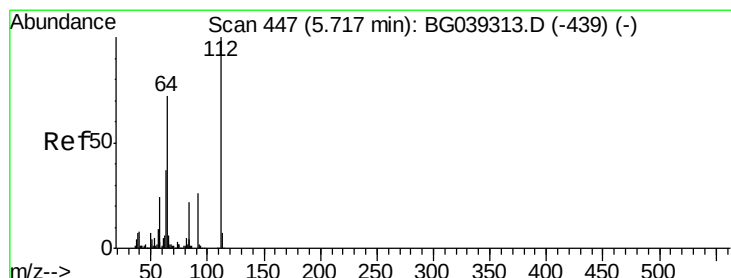
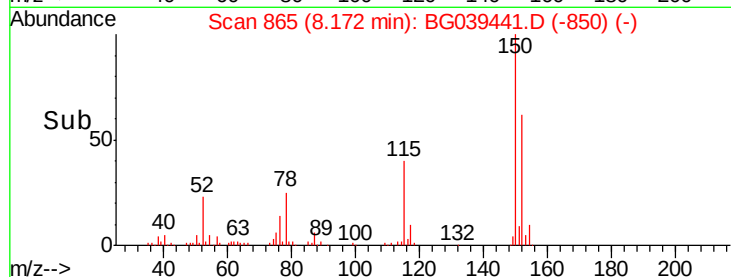
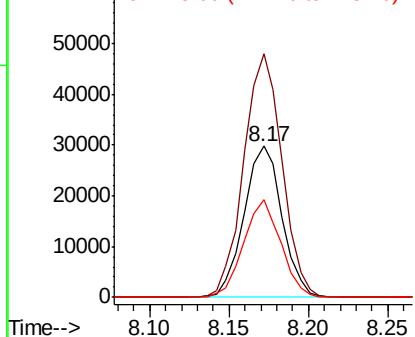
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039441.D
Acq: 11 Feb 2019 19:30

Instrument :
BNA_G
ClientSampleId :
SU-03-020819-A

Tgt Ion:152 Resp: 49511
Ion Ratio Lower Upper
152 100
150 160.8 123.7 185.5
115 64.1 45.9 68.9



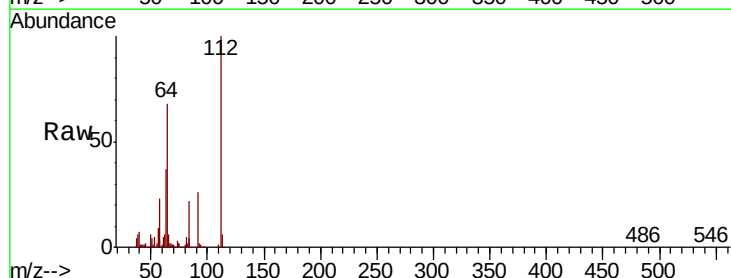
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



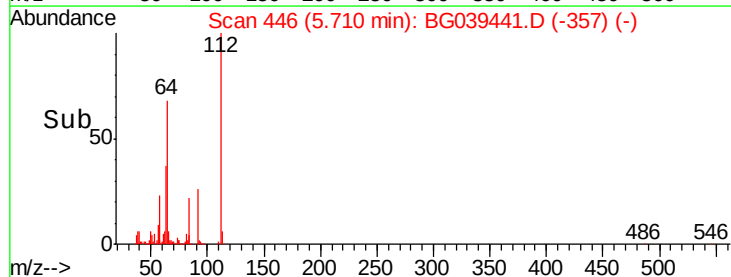
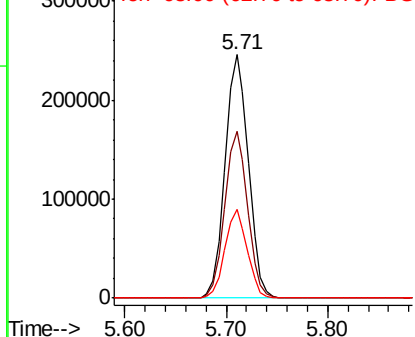
#5

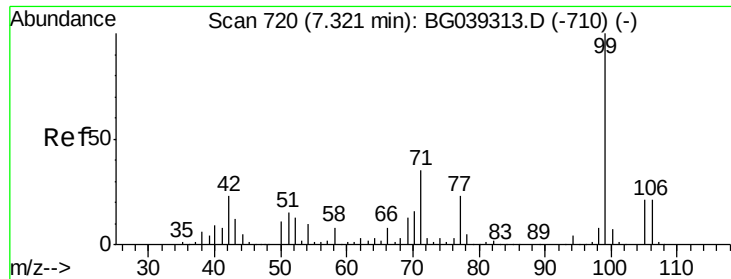
2-Fluorophenol
Concen: 134.546 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039441.D
Acq: 11 Feb 2019 19:30

Tgt Ion:112 Resp: 389217
Ion Ratio Lower Upper
112 100
64 68.3 57.8 86.8
63 36.6 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: 120.807 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG039441.D

Acq: 11 Feb 2019 19:30

Instrument :

BNA_G

ClientSampleId :

SU-03-020819-A

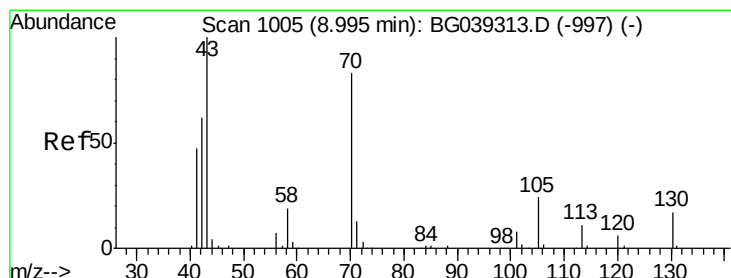
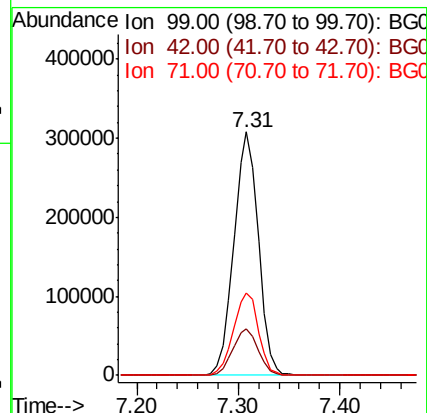
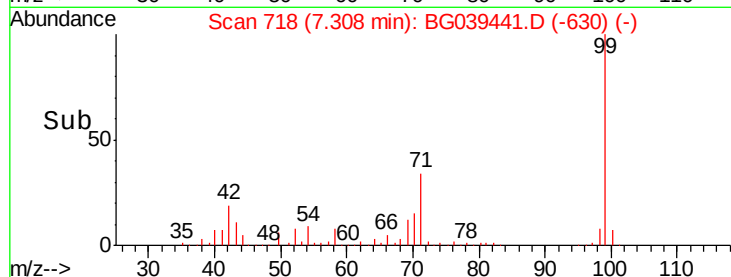
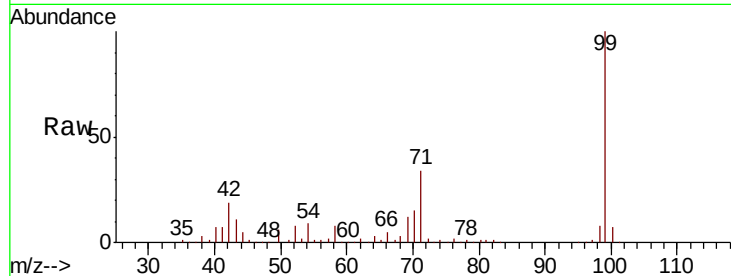
Tgt Ion: 99 Resp: 514417

Ion Ratio Lower Upper

99 100

42 19.3 18.2 27.2

71 34.0 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: BG039441.D

Acq: 11 Feb 2019 19:30

Tgt Ion: 70 Resp: 47133

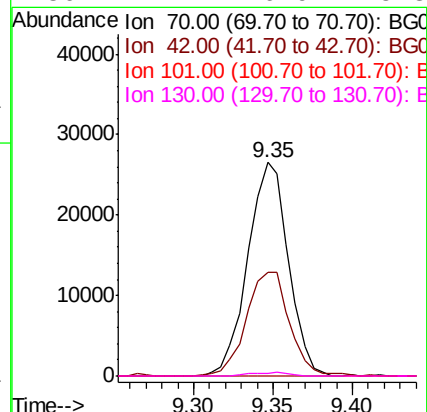
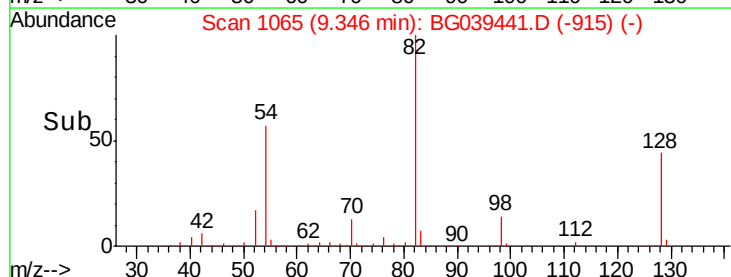
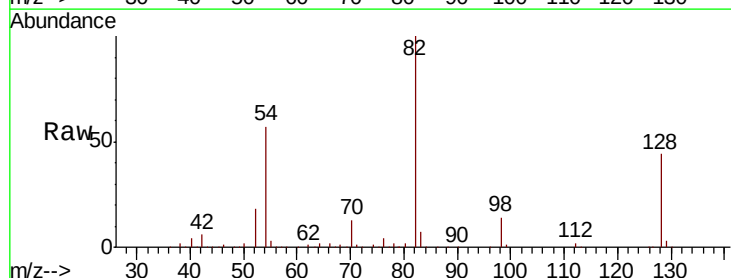
Ion Ratio Lower Upper

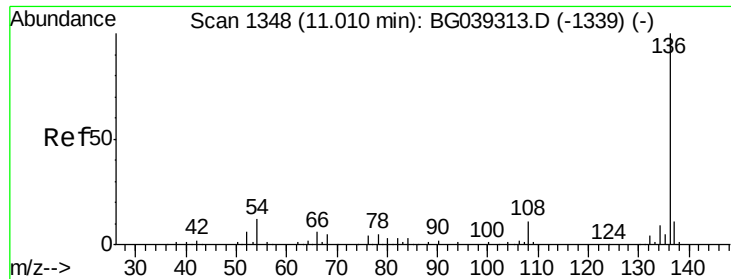
70 100

42 48.6 60.4 90.6#

101 0.0 7.5 11.3#

130 1.2 16.9 25.3#

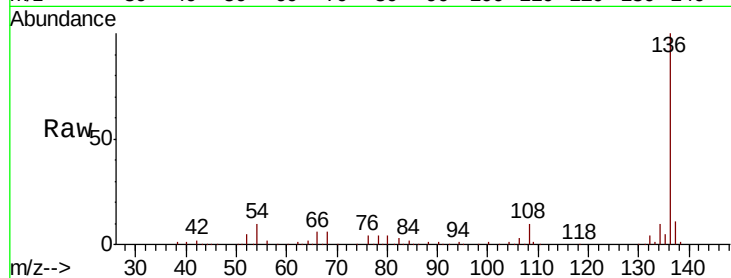




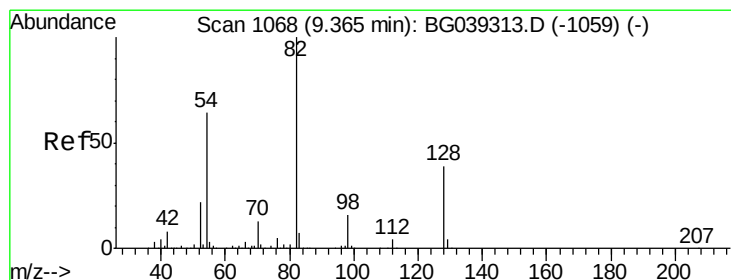
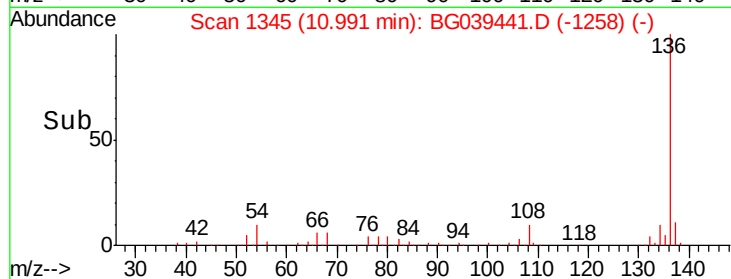
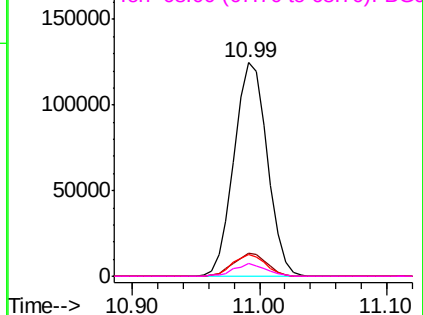
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039441.D
Acq: 11 Feb 2019 19:30

Instrument :
BNA_G
ClientSampleId :
SU-03-020819-A

Tgt Ion:	136	Resp:	226356
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	10.1	9.4	14.2
68	6.2	4.2	6.4

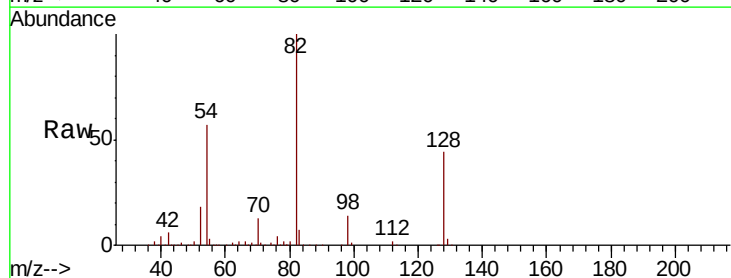


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

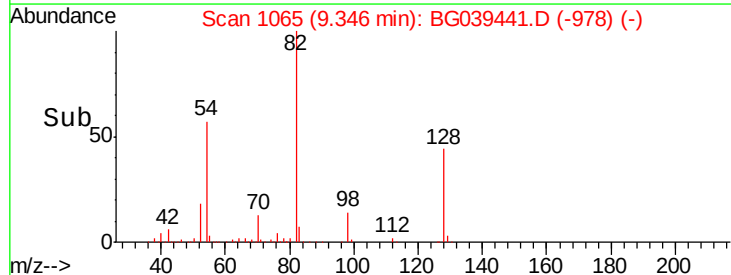
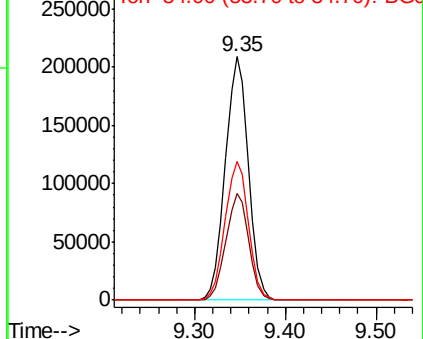


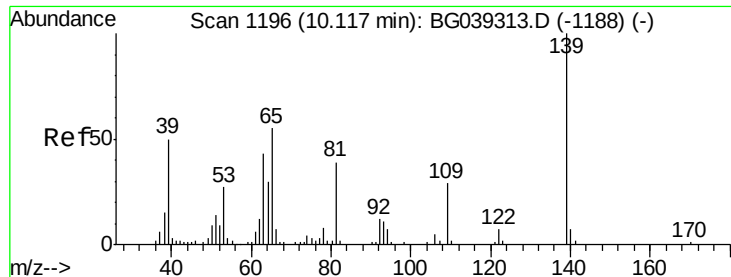
#23
Nitrobenzene-d5
Concen: 101.879 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039441.D
Acq: 11 Feb 2019 19:30

Tgt Ion:	82	Resp:	369144
Ion	Ratio	Lower	Upper
82	100		
128	43.7	31.3	46.9
54	56.8	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





#26

2-Nitrophenol

Concen: 4.051 ng

RT: 9.73 min Scan# 1130

Delta R.T. -0.39 min

Lab File: BG039441.D

Acq: 11 Feb 2019 19:30

Instrument :

BNA_G

ClientSampleId :

SU-03-020819-A

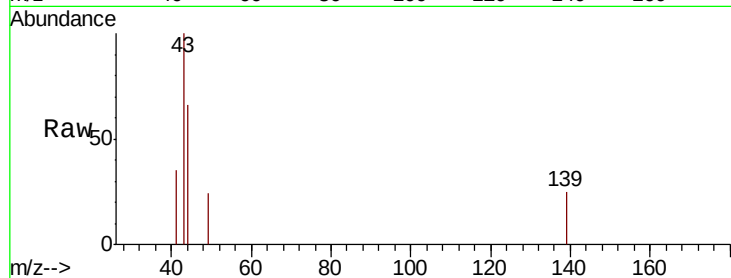
Tgt Ion:139 Resp: 60

Ion Ratio Lower Upper

139 100

109 0.0 23.4 35.0#

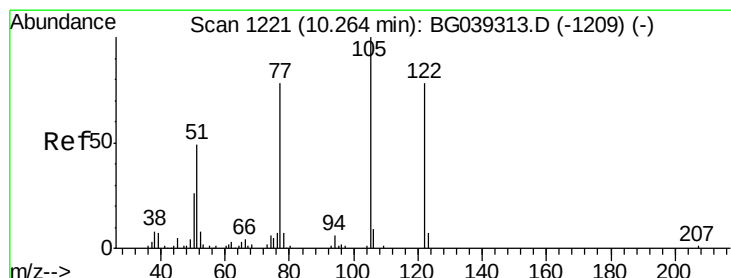
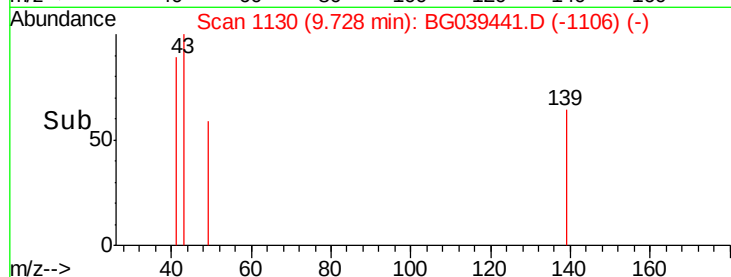
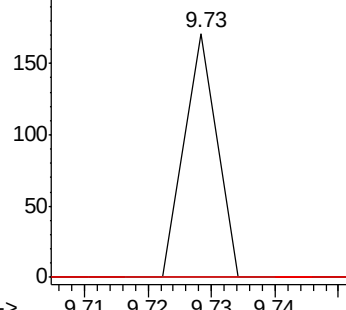
65 0.0 44.3 66.5#



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



#32

Benzoic acid

Concen: 9.044 ng

RT: 10.30 min Scan# 1227

Delta R.T. 0.04 min

Lab File: BG039441.D

Acq: 11 Feb 2019 19:30

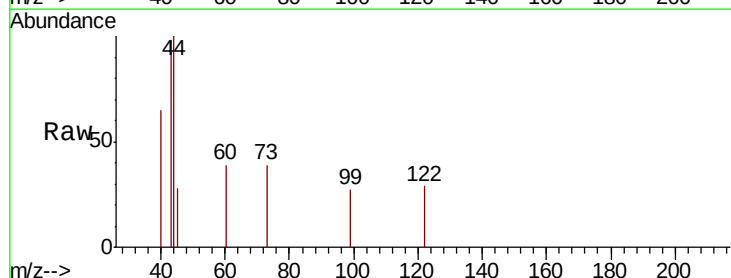
Tgt Ion:122 Resp: 59

Ion Ratio Lower Upper

122 100

105 0.0 101.8 141.8#

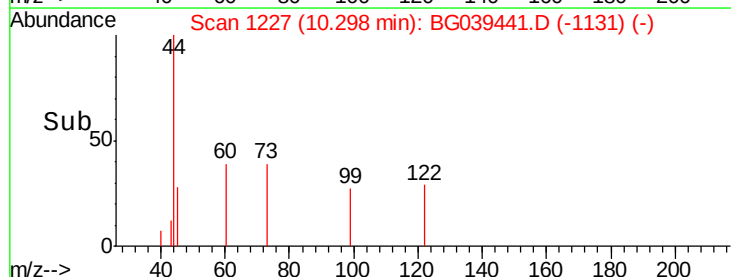
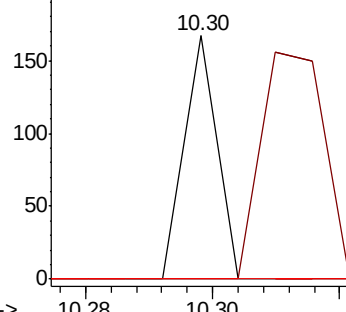
77 0.0 76.3 116.3#

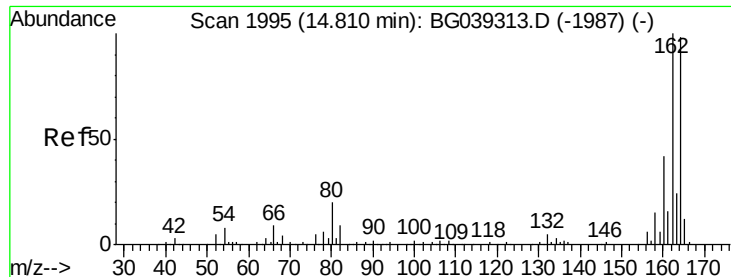


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BG039441.D

Acq: 11 Feb 2019 19:30

Instrument :

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ClientSampleId :

SU-03-020819-A

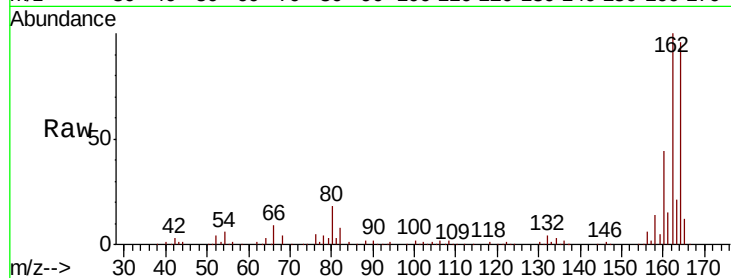
Tgt Ion:164 Resp: 156828

Ion Ratio Lower Upper

164 100

162 103.6 81.6 122.4

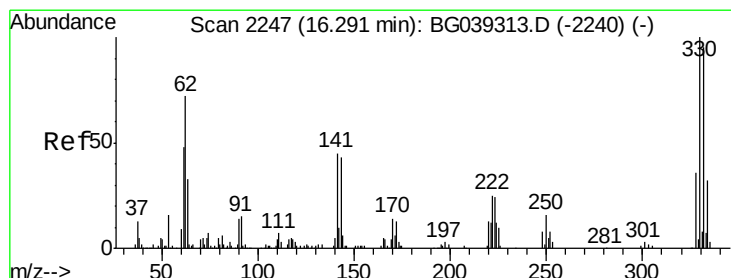
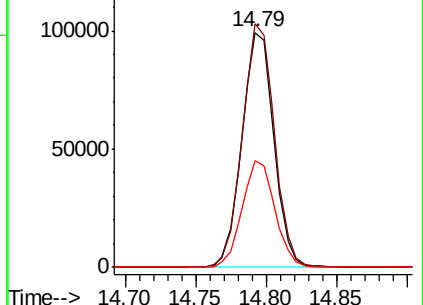
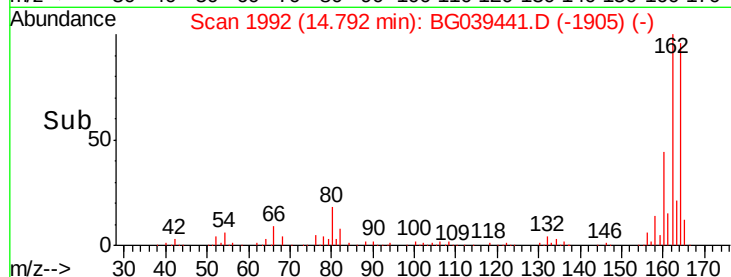
160 45.2 34.2 51.2



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: 165.716 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039441.D

Acq: 11 Feb 2019 19:30

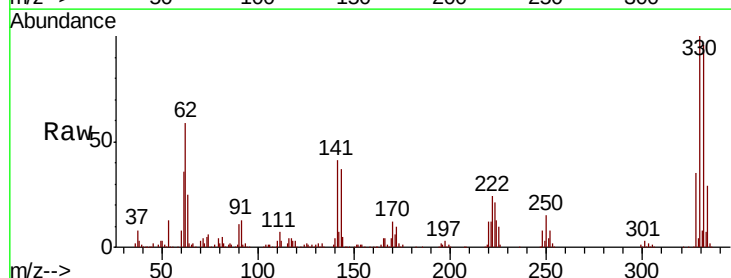
Tgt Ion:330 Resp: 279856

Ion Ratio Lower Upper

330 100

332 95.5 75.7 113.5

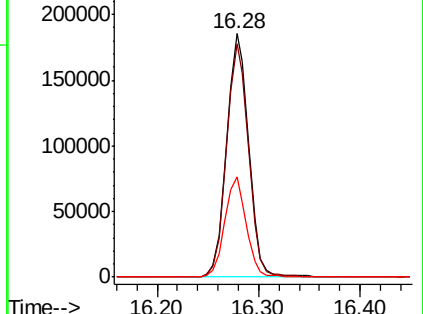
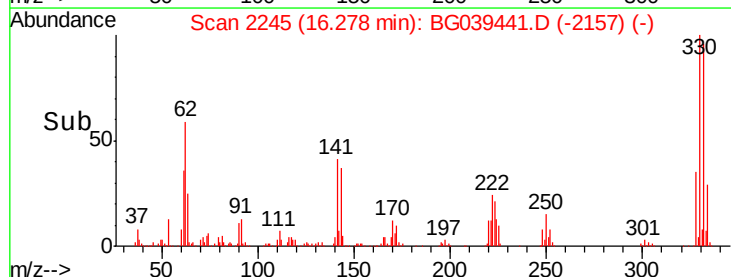
141 39.8 35.6 53.4

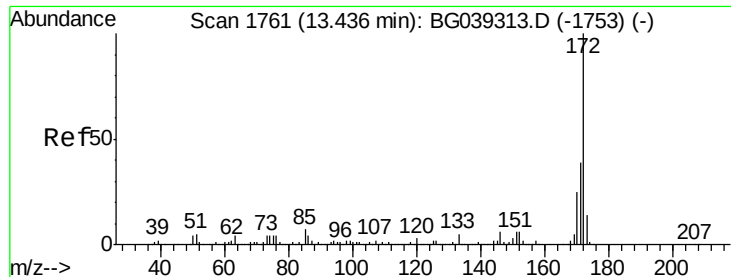


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

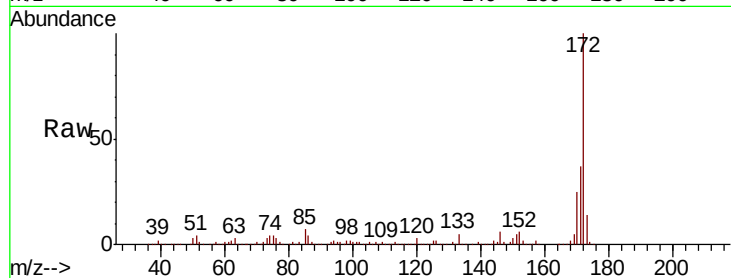




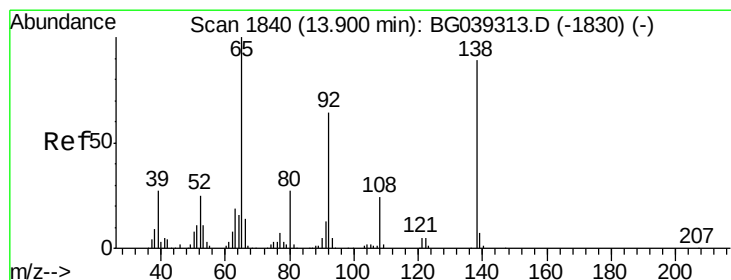
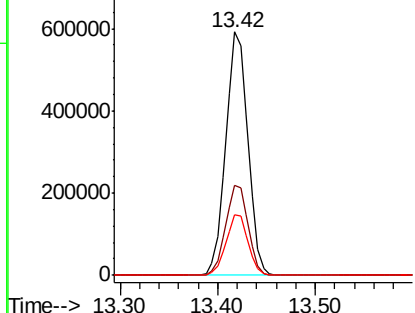
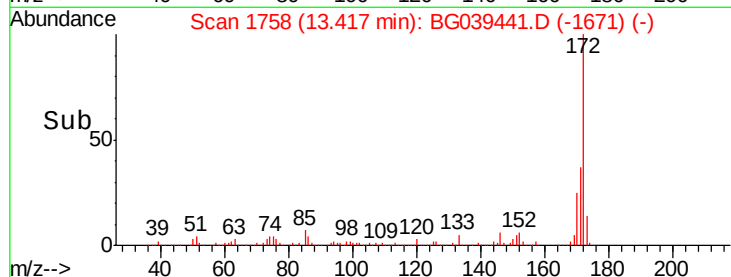
#45
 2-Fluorobiphenyl
 Concen: 84.971 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039441.D
 Acq: 11 Feb 2019 19:30

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-020819-A

Tgt Ion: 172 Resp: 928922
 Ion Ratio Lower Upper
 172 100
 171 37.2 30.8 46.2
 170 25.1 20.2 30.4

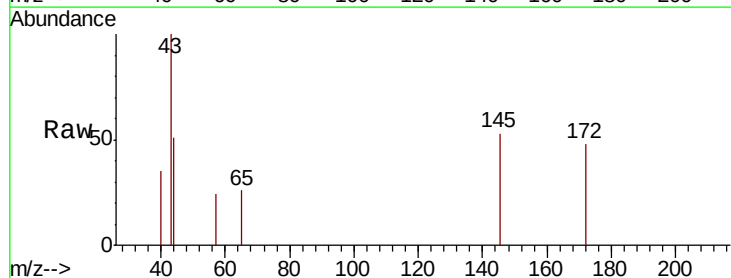


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

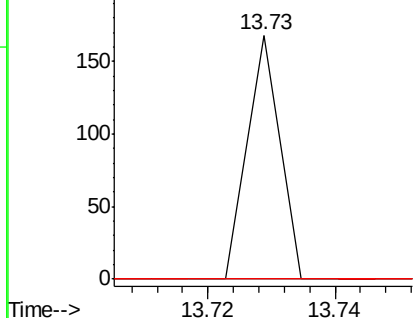
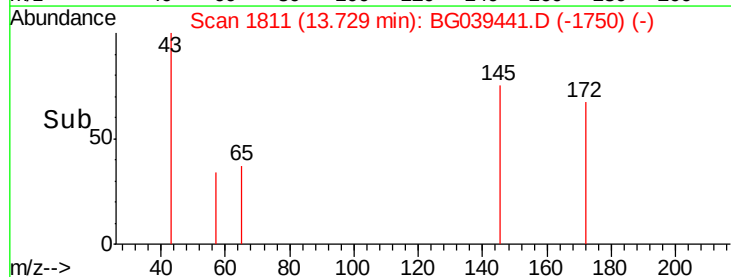


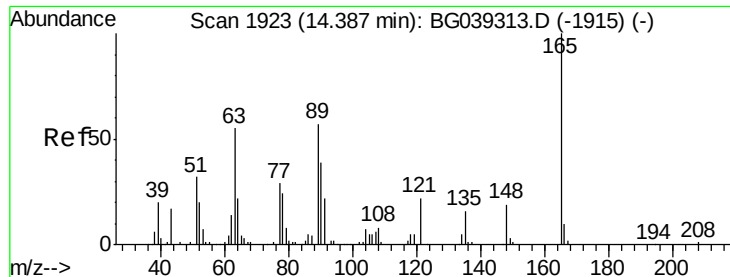
#48
 2-Nitroaniline
 Concen: 8.314 ng
 RT: 13.73 min Scan# 1811
 Delta R.T. -0.17 min
 Lab File: BG039441.D
 Acq: 11 Feb 2019 19:30

Tgt Ion: 65 Resp: 59
 Ion Ratio Lower Upper
 65 100
 92 0.0 51.4 77.2#
 138 0.0 71.4 107.2#



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

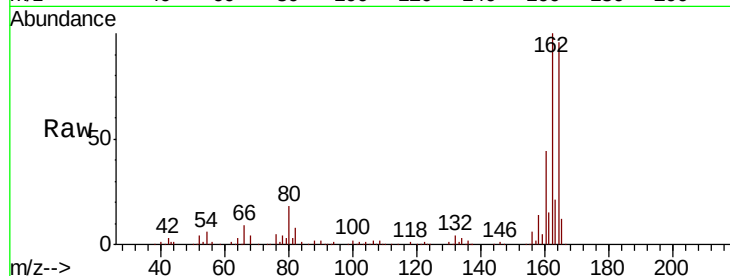




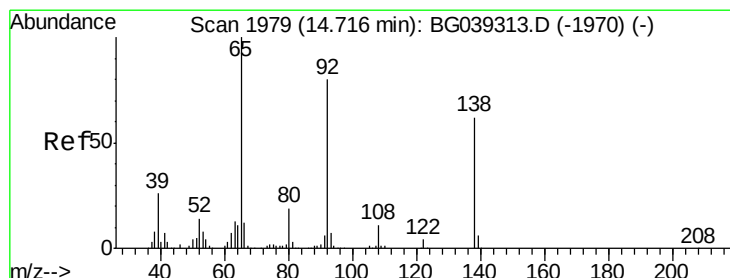
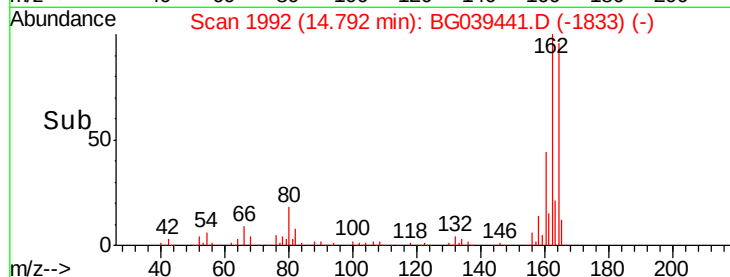
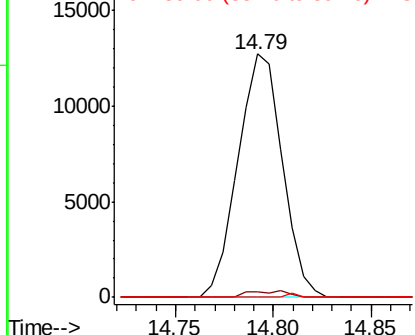
#51
 2,6-Dinitrotoluene
 Concen: 13.862 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. 0.40 min
 Lab File: BG039441.D
 Acq: 11 Feb 2019 19:30

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-020819-A

Tgt Ion:165 Resp: 20025
 Ion Ratio Lower Upper
 165 100
 63 2.4 47.0 70.6#
 89 0.0 45.8 68.8#

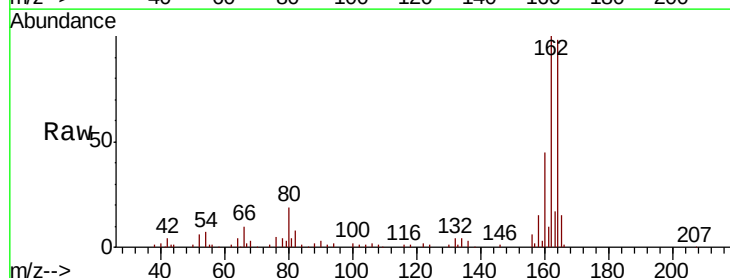


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGO
 Ion 89.00 (88.70 to 89.70): BGO

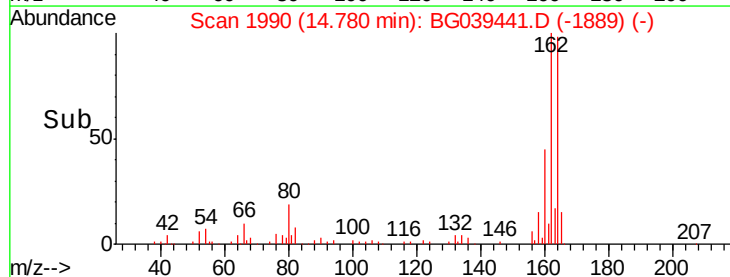
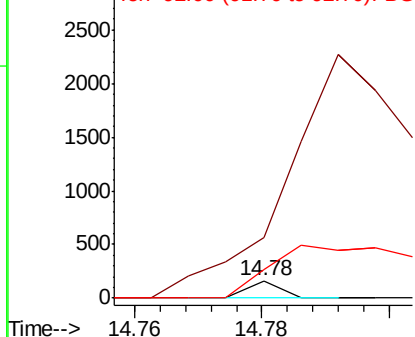


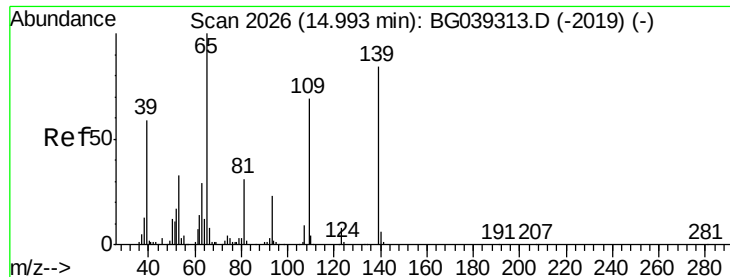
#53
 3-Nitroaniline
 Concen: 5.812 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. 0.06 min
 Lab File: BG039441.D
 Acq: 11 Feb 2019 19:30

Tgt Ion:138 Resp: 57
 Ion Ratio Lower Upper
 138 100
 108 349.1 13.8 20.8#
 92 164.4 103.7 155.5#



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): BGO





#56

4-Nitrophenol

Concen: 5.846 ng

RT: 15.18 min Scan# 2058

Delta R.T. 0.19 min

Lab File: BG039441.D

Acq: 11 Feb 2019 19:30

Instrument :

BNA_G

ClientSampleId :

SU-03-020819-A

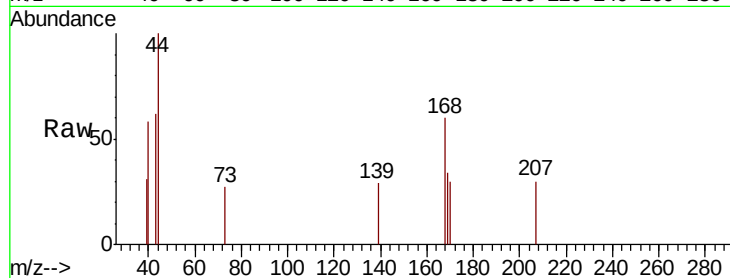
Tgt Ion:139 Resp: 128

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

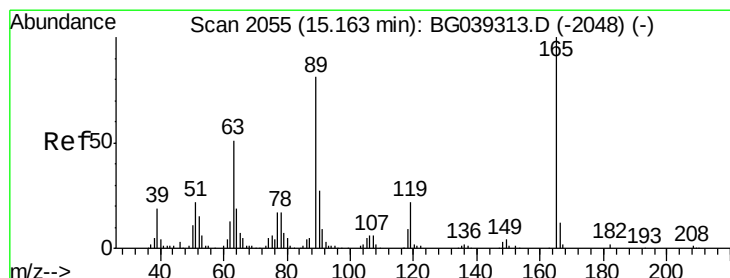
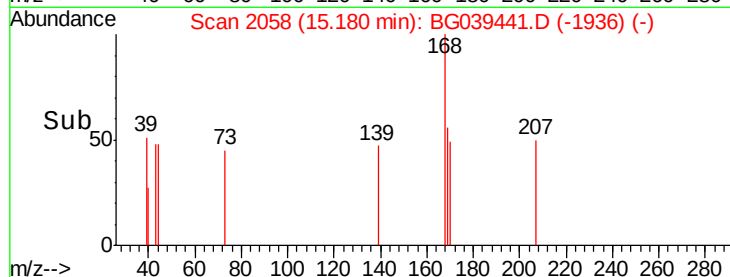
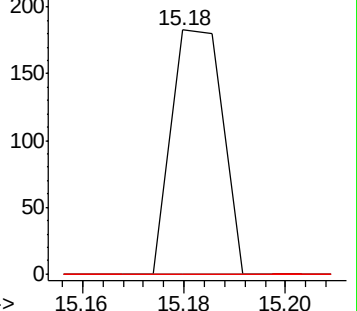
65 0.0 99.1 139.1#



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: 13.353 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039441.D

Acq: 11 Feb 2019 19:30

Tgt Ion:165 Resp: 20025

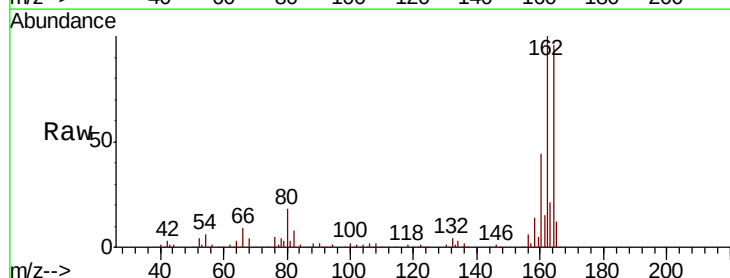
Ion Ratio Lower Upper

165 100

63 2.4 41.0 61.6#

89 0.0 64.6 96.8#

182 0.0 2.0 3.0#

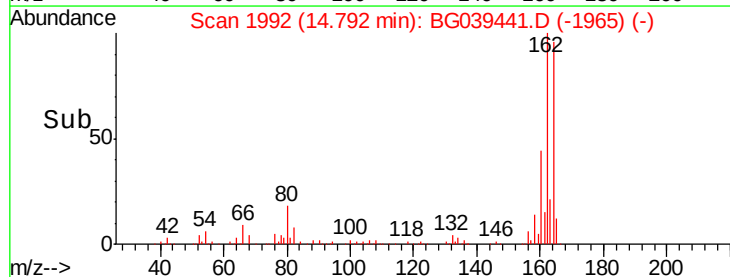
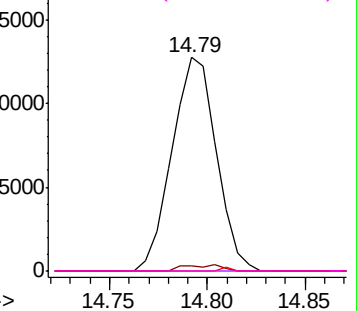


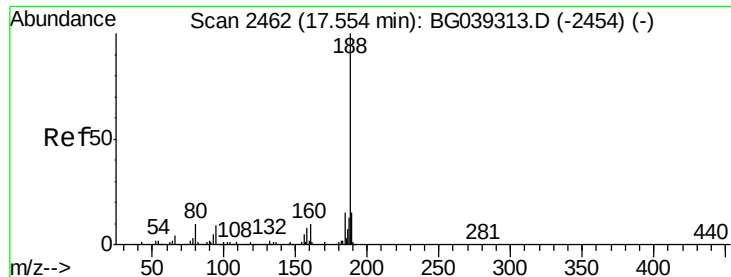
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.54 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039441.D

Acq: 11 Feb 2019 19:30

Instrument :

BNA_G

ClientSampleId :

SU-03-020819-A

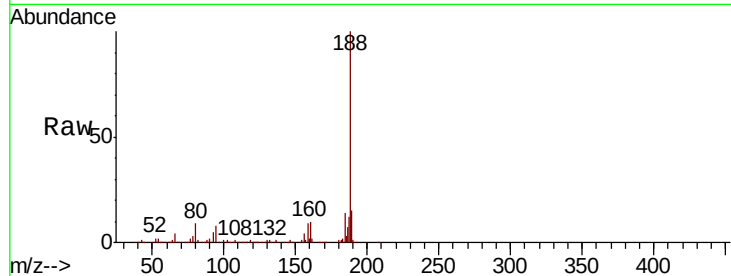
Tgt Ion:188 Resp: 402671

Ion Ratio Lower Upper

188 100

94 8.3 6.9 10.3

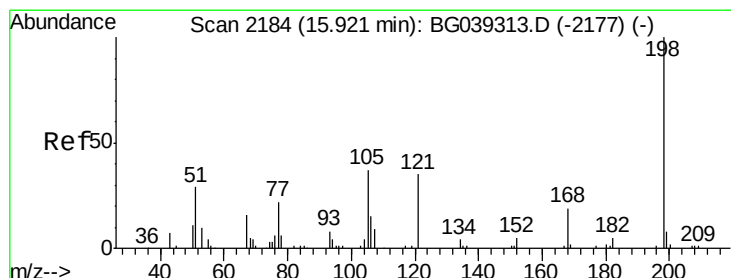
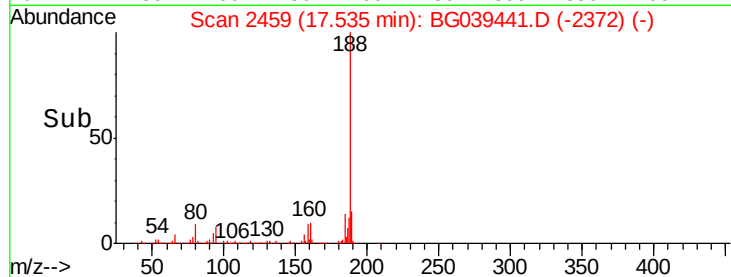
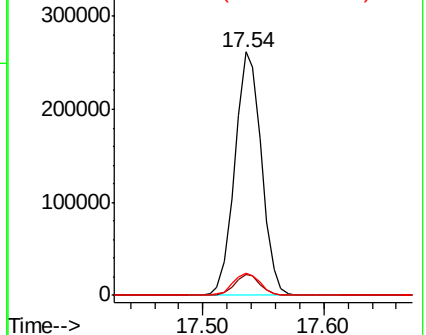
80 8.9 8.1 12.1



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: 4.214 ng

RT: 15.88 min Scan# 2177

Delta R.T. -0.04 min

Lab File: BG039441.D

Acq: 11 Feb 2019 19:30

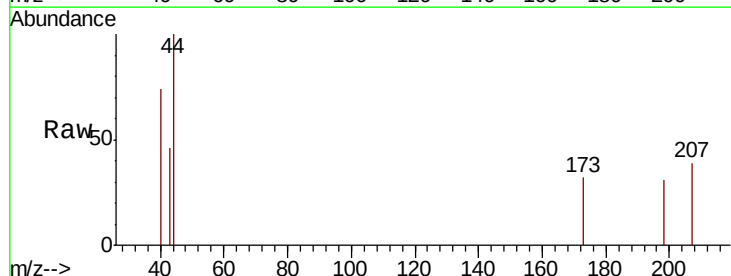
Tgt Ion:198 Resp: 55

Ion Ratio Lower Upper

198 100

51 0.0 27.4 67.4#

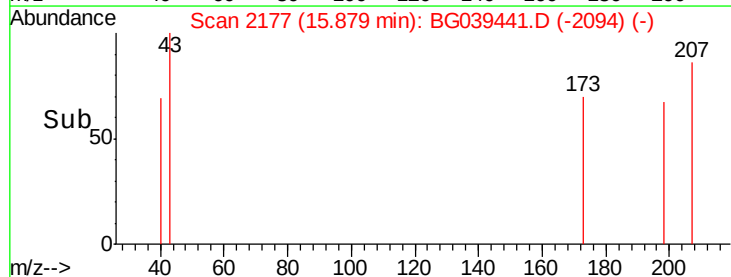
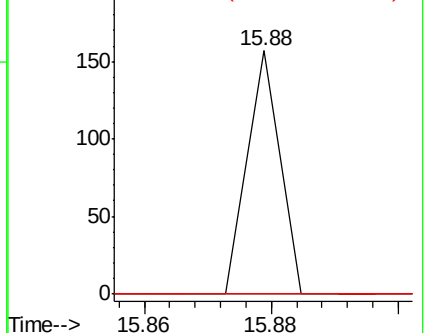
105 0.0 19.7 59.7#

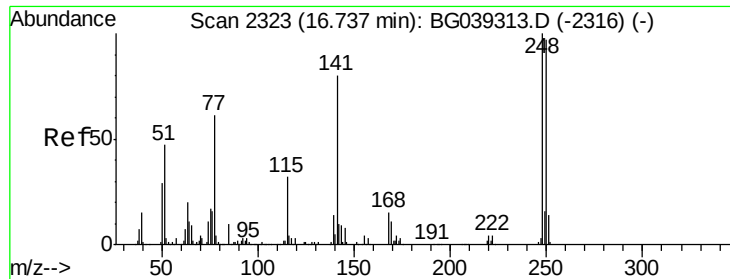


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

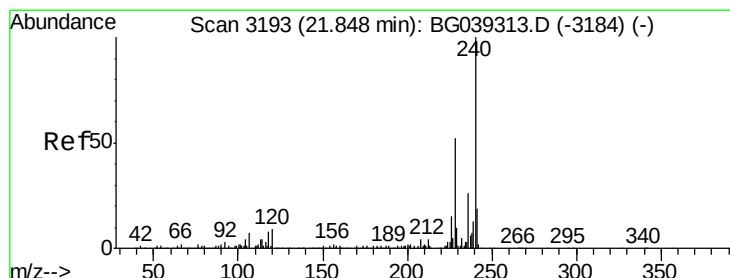
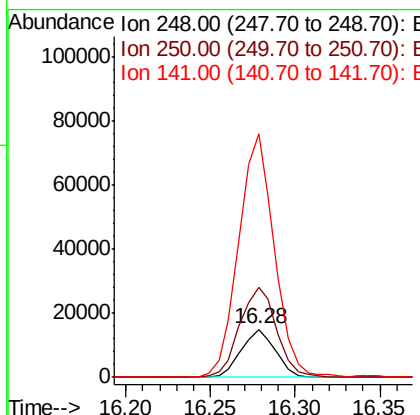
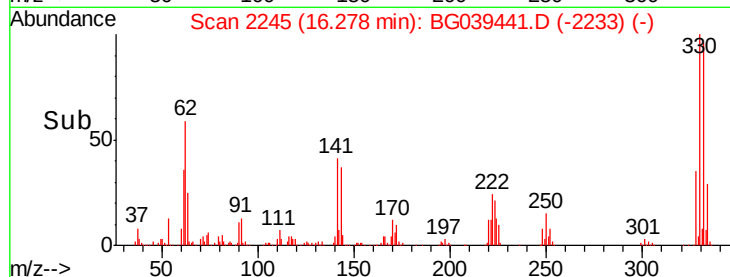
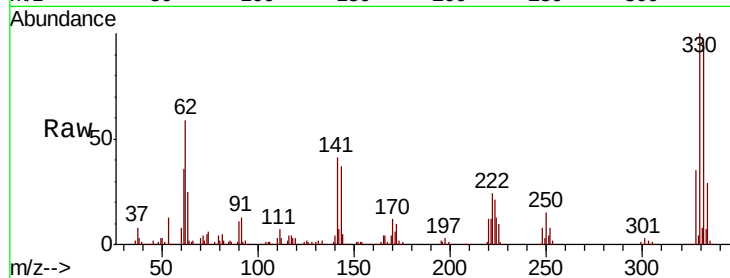




#67
 4-Bromophenyl-phenylether
 Concen: 4.749 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039441.D
 Acq: 11 Feb 2019 19:30

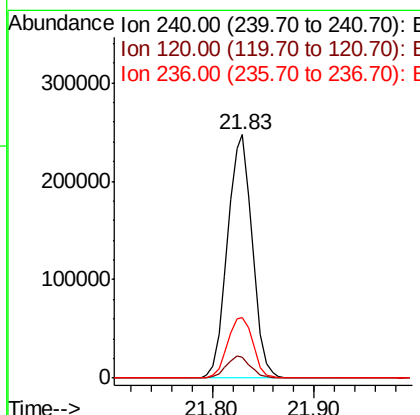
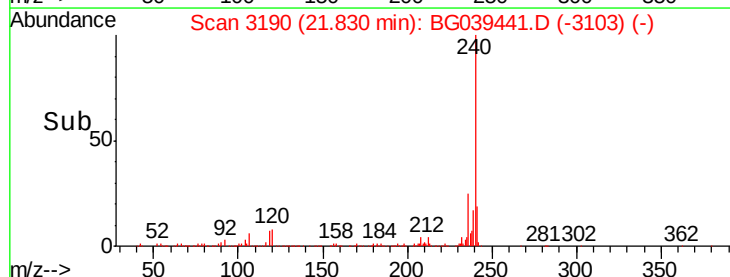
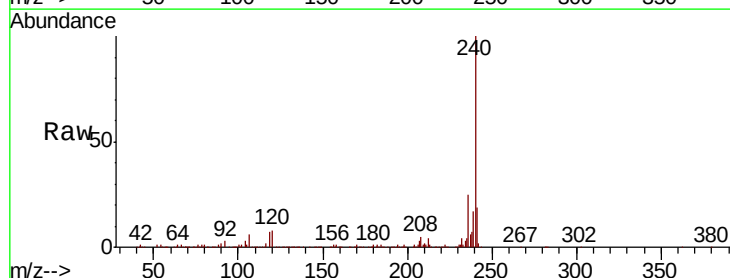
Instrument :
 BNA_G
 ClientSampleId :
 SU-03-020819-A

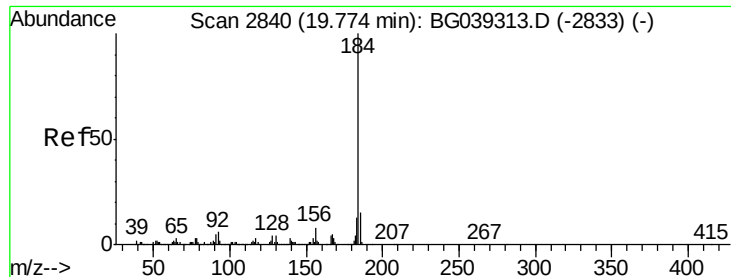
Tgt Ion:248 Resp: 21214
 Ion Ratio Lower Upper
 248 100
 250 187.6 77.6 116.4#
 141 509.6 63.9 95.9#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.83 min Scan# 3190
 Delta R.T. -0.02 min
 Lab File: BG039441.D
 Acq: 11 Feb 2019 19:30

Tgt Ion:240 Resp: 419331
 Ion Ratio Lower Upper
 240 100
 120 8.4 7.0 10.6
 236 24.8 21.0 31.4





#77

Benzidine

Concen: 2.053 ng

RT: 20.13 min Scan# 2901

Delta R.T. 0.36 min

Lab File: BG039441.D

Acq: 11 Feb 2019 19:30

Instrument :

BNA_G

ClientSampleId :

SU-03-020819-A

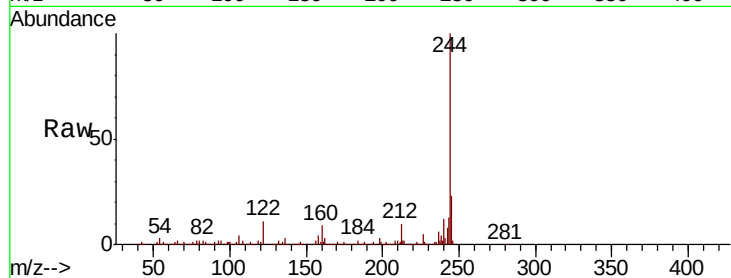
Tgt Ion:184 Resp: 28230

Ion Ratio Lower Upper

184 100

185 13.4 12.2 18.2

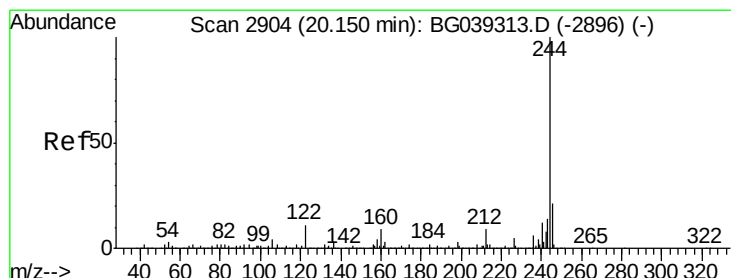
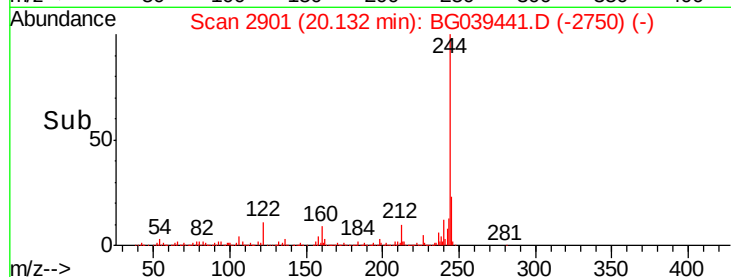
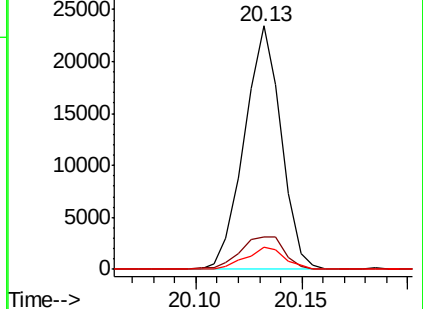
183 9.4 10.6 15.8#



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: 80.906 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039441.D

Acq: 11 Feb 2019 19:30

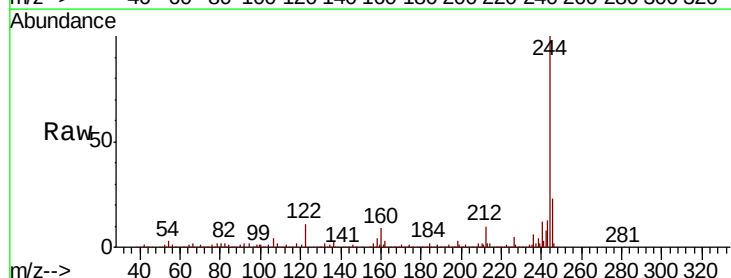
Tgt Ion:244 Resp: 1602808

Ion Ratio Lower Upper

244 100

212 9.5 7.3 10.9

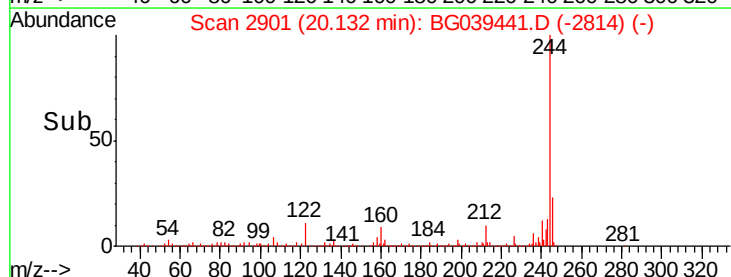
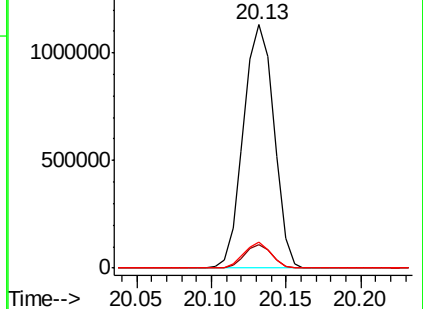
122 10.7 8.4 12.6

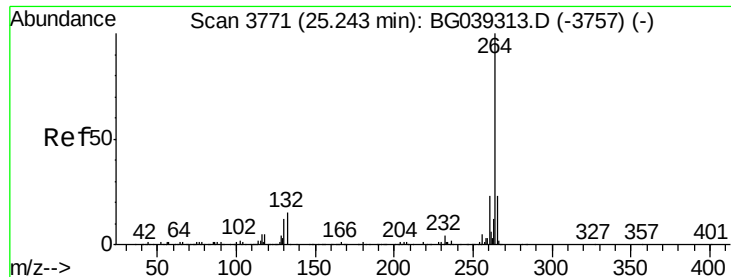


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.21 min Scan# 3766
Delta R.T. -0.03 min
Lab File: BG039441.D
Acq: 11 Feb 2019 19:30

Instrument :
BNA_G
ClientSampleId :
SU-03-020819-A

Tgt Ion:	264	Resp:	421938
Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.2	27.4
265	19.6	18.5	27.7

